North Star High Voltage Probe/Divider User Technical References

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Richard J Adler,
NSHV President

A Tesla-pulse forming line-plasma opening switch pulsed power generator
Novac, B.M., KUMAR, R., and SMITH I.R., Review of Scientific Instruments, Volume 81, 104704, (2010).
https://aip.scitation.org/doi/full/10.1063/1.3484193

Electrical breakdown of water in microgaps
Karl Schoenbach, Juergen Kolb, Shu Xiao, Sunao Katsuki, Yasushi Minamitani, and Ravindra Joshi, Plasma Sources Science and Technology, Volume 17, Number 2, 1 May (2008).
https://iopscience.iop.org/article/10.1088/0963-0252/17/2/024010#:~:text=%20Electrical%20breakdown%20of%20water%20in%20microgaps%20,in%20the%20prebreakdown%20phase%20was%20shown...%20More%20

FRX-L: A field-reversed configuration plasma injector for magnetized target fusion
J. M. Taccetti, T. P. Intrator, G. A. Wurden, S. Y. Zhang, R. Aragonez, P. N. Assmus, C. M. Bass, C. Carey, S. A. deVries, W. J. Fienup, I. Furno, S. C. Hsu, M. P. Kozar, M. C. Langner, J. Liang, R. J. Maqueda, R. A. Martinez, P. G. Sanchez, K. F. Schoenberg, K. J. Scott, R. E. Siemon, E. M. Tejero, E. H. Trask, M. Tuszewski, and W. J. Waganaar,
Review of Scientific Instruments, 74, 4314, (2003).
https://aip.scitation.org/doi/10.1063/1.1606534

Investigation of a scalable barrel atmospheric plasma reactor for the treatment of polymer particles
Hisham M. Abourayana, Vladimir Milosavljevic, Peter Dobbyn, Patrick J. Cullen, Denis P. Dowling, Surface and Coatings Technology, Volume 308, 25 December (2016), Pages 435-441.
https://www.sciencedirect.com/science/article/abs/pii/S0257897216307290

A 100 kV, 20 A, 1 ms long pulse solid-state Marx modulator for klystron
Mahesh Acharya and Purushottam Shrivas,
Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, Volume 905, 11 October (2018), Pages 96-103.
https://www.sciencedirect.com/science/article/pii/S0168900218308726

Technical Papers Referencing North Star High Voltage Probes/Dividers

Design and testing of the 40 kV/20A solid-state switch based on SiC MOSFETs for ECRH on J-TEXT Tokamak Dongyu Wang, Ming Zhang, Shaoxiang Ma, Kexun Yu, Yuan Pan,
Fusion Engineering and Design, Volume 153, April (2020), 111483.
https://www.sciencedirect.com/science/article/abs/pii/S0920379620300314

Autonomous pulsed power generator based on transverse shock wave depolarization of ferroelectric ceramics Sergey I. Shkuratov, Jason Baird, and Evgueni F. Talantsev,
Review of Scientific Instruments, 81, 126102, (2010).
https://aip.scitation.org/doi/10.1063/1.3505489

Effects of pulsed electric energy on sucrose nucleation in supersaturated solutions
Oleksii Parniakov, Pierre Adda, Olivier Bals, Nikolai Lebovka, Eugene Vorobiev,
Journal of Food Engineering, Volume 199, April (2017), Pages 19-26.
https://www.sciencedirect.com/science/article/abs/pii/S0260877416304381

Direct and controllable nitric oxide delivery into biological media and living cells by a pin-to-hole spark discharge (PHD) plasma
D Dobrynin, K Arjunan, A Fridman, G Friedman, and A Morss Clyne,
Journal of Physics D: Applied Physics, Volume 44, Number 7, 28 January (2011).
https://iopscience.iop.org/article/10.1088/0022-3727/44/7/075201

Enhancement of oil spreadability of biscuit surface by nonthermal barrier discharge plasma
N.N.Misra, Carl Sullivan, S.K. Pankaj, Laura Alvarez-Jubete, Raquel Cama, Frank Jacoby,
P.J.Cullen, Innovative Food Science & Emerging Technologies,
Volume 26, December (2014), Pages 456-461.
fs://www.sciencedirect.com/science/article/pii/S1466856414001507

Non-thermal dielectric barrier discharge plasma induces angiogenesis through reactive oxygen species Krishna Priya Arjunan, Gary Friedman, Alexander Fridman, and Alisa Morss Clyne, J R Soc Interface, (2012), Jan 7; 9(66): 147–157.
https://ieeexplore.ieee.org/document/6090680?reload=true&arnumber=6090680

In-package nonthermal plasma degradation of pesticides on fresh produce
N.N.Misra, S.K Panjaj, Tony Walsh, Finbarr O'Regan, Paula Bourke, P.J.Cullen,
Journal of Hazardous Materials, Volume 271, 30 April (2014), Pages 33-40.
https://www.sciencedirect.com/science/article/abs/pii/S0304389414000958

Technical Papers Referencing North Star High Voltage Probes/Dividers

Development and testing of an active high voltage saturation probe for characterization of ultra-high voltage silicon carbide semiconductor devices Argenis V Bilbao, James A Schrock, William B Ray 2nd, Mitchell D Kelley, Shad L Holt, Michael G Giesselmann, Stephen B Bayne, Review of Scientific Instruments, 86(8), (2015). https://pubmed.ncbi.nlm.nih.gov/26329230/

Plasma excitation dependence on voltage slew rates in 10–200 Torr argon–nitrogen gas mixture DBD Feng Liu, George Huang, and Biswa Ganguly, Plasma Sources Science and Technology, Volume 19, Number 4,28 June (2010).
https://iopscience.iop.org/article/10.1088/0963-0252/19/4/045017/meta

Interpretation of the gas flow field modification induced by guided streamer ('plasma bullet') propagation
P K Papadopoulos, P Vafeas, P Svarnas, K Gazeli, P M Hatzikonstantinou, A Gkelios, F Clément, Journal of Physics D: Applied Physics, Volume 47, Number 42, 18 September (2014).
https://iopscience.iop.org/article/10.1088/0022-3727/47/42/425203/meta

The role of non-thermal transient plasma for enhanced flame ignition in C2H4–air
D Singleton, S J Pendleton, and M A Gundersen, Journal of Physics D: Applied Physics, Volume 44, Number 2, 16 December (2010).
https://www.researchgate.net/publication/230912966_The_role_of_non-thermal_transient_plasma_for_enhanced_flame_ignition_in_C2H4-air

Electron emission and plasma generation in a modulator electron gun using ferroelectric cathode Shutao Chen, Shuxin Zheng, Ziqiu Zhu, Xianlin Donga, Chuanxiang Tang,
Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, Volume 566, Issue 2, 15 October (2006), Pages 662-667.
https://www.sciencedirect.com/science/article/pii/S0168900206013441

Comparison of Direct and Indirect Effects of Non-Thermal Atmospheric-Pressure Plasma on Bacteria Ari D. Brooks, Manjula Balasubramanian, Alexander Fridman, Alexander Gutsol, Victor N. Vasilets, Halim Ayan, Gary Friedman, Plasma Process Polym., (2007), 4, 370-375.
https://onlinelibrary.wiley.com/doi/abs/10.1002/ppap.200600217

Preparation of silver nanocolloidal solution by cavitation bubble plasma
Yoshihiro Okaa, Tomoya Kuroshimaa, Kohei Sawachikaa, Michiru Yamashitab, Mitsumasa Sakaob, Keiichiro Ohnishic, Keiichi Asamic, Mitsuyasu Yatsuzukaa,
Vacuum, Volume 167, September (2019), Pages 530-535.
https://www.researchgate.net/publication/325109380_Preparation_of_silver_nanocolloidal_solution_by_cavitation_bubble_plasma

Technical Papers Referencing North Star High Voltage Probes/Dividers

Large scale Tesla coil guided discharges initiated by femtosecond laser filamentation in air L. Arantchouk, G. Point, Y. Brelet, B. Prade, J. Carbonnel, Y.B. Andre, A. Mysyrowicz, and A. Houard, JOURNAL OF APPLIED PHYSICS, 116, 013303, (2014). https://aip.scitation.org/doi/10.1063/1.4886582

Extending the volume of atmospheric pressure plasma jets through the use of additional helium gas streams Michael J Johnson, David R Boris, Tzvetelina B Petrova, and Scott G Walton, 21 January (2020), Volume 29, Number 1. https://iopscience.iop.org/article/10.1088/1361-6595/ab5b55

Wound healing using plasma modified collagen
Liam O'Neill, Peter Dobbyn, Mangesh Kulkarni, Abhay Pandit, Clinical Plasma Medicine, Volume 12, p 23, December (2018).
https://www.sciencedirect.com/science/article/abs/pii/S2212816618300295

Optical emission behaviors of C, Al, Ti, Fe, Cu, Mo, Ag, Ta, and W wire explosions in gaseous media Ruoyu Han, Jiawei Wu, Aici Qiu, Physics Letter A, Vol 383, p 1946, June (2019).
https://www.sciencedirect.com/science/article/abs/pii/S0375960119302580

Vibrational and rotational CARS measurements of nitrogen in afterglow of streamer discharge in atmospheric pressure fuel/air mixtures S J Pendleton, A Montello, C Carter, W Lempert, and M A Gundersen, Journal of Physics D: Applied Physics, Volume 45, Number 49, 9 November (2012). https://iopscience.iop.org/article/10.1088/0022-3727/45/49/495401

Comparison of pulsed corona plasma and pulsed electric fields for the decontamination of water containing Legionella pneumophila as model organism
Robert Banaschik, Gerhard Burchhardt, Katja Zocher, Sven Hammerschmidt, Juergen F.Kolb, j Klaus-DieterWeltmann, Bioelectrochemistry, Volume 112, December (2016), Pages 83-90.
https://pubmed.ncbi.nlm.nih.gov/27293110/

Electric characteristic and cavitation bubble dynamics using underwater pulsed discharge
Minglei Shan, Bingyan Chen, Cheng YAO, Qingbang Han, Changping Zhu, And Yu Yang, 17 April (2019), Hefei Institutes of Physical Science, Chinese Academy of Sciences and IOP Publishing Plasma Science and Technology, Volume 21, Number 7.
https://iopscience.iop.org/article/10.1088/2058-6272/ab0b62

Experimental investigation of formation time in single-gap pseudospark discharge
Jing Hu and Joshua L Rovey, Journal of Physics D: Applied Physics, Volume 45, Number 46, 23 October (2012).
https://iopscience.iop.org/article/10.1088/0022-3727/45/46/465203

Technical Papers Referencing North Star High Voltage Probes/Dividers

Electrooptic measurement of 500-kV pulsed voltages
R.D. Shah, R.J. Cliffe, I.R. Smith, B.M. Novac, P. Senior, IEEE Transactions on Plasma Science, Volume 30, Issue 5, Oct (2002). https://ieeexplore.ieee.org/document/1178234

Degradation of an azo dye Orange II using a gas phase dielectric barrier discharge reactor submerged in water YS Mok, JO Jo, JC Whitehead, Chemical Engineering Journal, Volume 142, Issue 1, 1 August (2008), Pages 56-64.
https://www.sciencedirect.com/science/article/abs/pii/S1385894707007322

High-Voltage Monitoring in Electrostatic Separators
Adrian Mihalcioiu, Vasile Neamtu, Anca Stochita, Lucian Dascalescu, IEEE Transactions on Industry Applications, Volume 43, Issue 1, Jan-Feb. (2007).
https://ieeexplore.ieee.org/document/4077203

Investigation of the Effects of Gas versus Liquid Deposition in an Aerosol-Assisted Corona Deposition Process Liam O'Neill, P. Anthony F. Herbert, Charles Stallard, Denis P. Dowling, Plasma Processes and Polymers, Vol 7, pp 43-50, (2010).
https://ieeexplore.ieee.org/document/4077203

NO and SO2 removal in non-thermal plasma reactor packed with glass beads-TiO2 thin film coated by PCVD process A Nasonova, HC Pham, DJ Kim, KS Kim, Chemical Engineering Journal, Volume 156, Issue 3, 1 February (2010), Pages 557-561.
https://www.researchgate.net/publication/222916871_NO_and_SO2_removal_in_non-thermal_plasma_reactor_packed_with_glass_beads-TiO2_thin_film_coated_by_PCVD_process

Application of dielectric barrier discharge reactor immersed in wastewater to the oxidative degradation of organic contaminant Y.S Mok, J.O Jo, H.J Lee, H.T Ahn, J.T Kim, Plasma Chemistry and Plasma Processing, volume 27, pages 51–64, (2007).
https://link.springer.com/article/10.1007/s11090-006-9043-1

Removal of sulfur dioxide and nitrogen oxides by using ozone injection and absorption–reduction technique Sun Mok Young and Heon-Ju Lee, Fuel Processing Technology, Volume 87, Issue 7, July (2006), Pages 591-597.
https://www.sciencedirect.com/science/article/pii/S0378382005001864

Temperature effect on hydrocarbon-enhanced nitric oxide conversion using a dielectric barrier discharge reactor
V.Ravi, Young Sun Mok, B.S.Rajanikanth, Ho-Chul Kang, Fuel Processing Technology, Volume 81, Issue 3, 25 May (2003), Pages 187-199.
https://www.researchgate.net/publication/223031374_Temperature_effect_on_hydrocarbon-enhanced_nitric_oxide_conversion_using_a_dielectric_barrier_discharge_reactor

Technical Papers Referencing North Star High Voltage Probes/Dividers

A compact, nanosecond pulse generator with water as dielectric and as switch medium
Jingdong Deng, R.H. Stark, K.H. Schoenbach, PPPS-2001, Pulsed Power Plasma Science, (2001), 28th IEEE International Conference on Plasma Science and 13th IEEE International Pulsed Power Conference, Digest of Papers (Cat. No.01CH37251).
https://ieeexplore.ieee.org/document/1001866

Mechanism of Calcium Ion Precipitation from Hard Water Using Pulsed Spark Discharges
Yong Yang, Hyoungsup Kim, Andrey Starikovskiy, Young Cho & Alexander Fridman, Plasma Chemistry and Plasma Processing, volume 31, pages 51–66, (2011).
https://link.springer.com/article/10.1007/s11090-010-9269-9

Application of pulsed spark discharge for calcium carbonate precipitation in hard water
Yong Yang, Hyoung supKim, Andrey Starikovskiy, Alexander Fridman, Young I.Cho, Water Research, Volume 44, Issue 12, June (2010), Pages 3659-3668.
https://www.sciencedirect.com/science/article/abs/pii/S0043135410002770

Gaseous Electrical Discharge-Induced Degradation of Organic Compound in Wastewater: UV Irradiation and Ozonation Effect Young Sun Mok, Jin-Oh Jo, and Changsu Woo, Journal of Advanced Oxidation Technologies, Volume 10, Issue 2, (2007).
https://www.degruyter.com/view/journals/jaots/10/2/article-p439.xml

Surface ionization wave in a plasma focus-like model device
V Yordanov, A Blagoev, I Ivanova-Stanik, E M van Veldhuizen, S Nijdam, J van Dijk, and J J A M van der Mullen, Journal of Physics D: Applied Physics, Volume 41, Number 21, 15 October (2008).
https://iopscience.iop.org/article/10.1088/0022-3727/41/21/215208

Abatement of nitrogen oxides in a catalytic reactor enhanced by nonthermal plasma discharge Young Sun Mok; V. Ravi; Ho-Chul Kang; B.S. Rajanikanth, IEEE Transactions on Plasma Science Volume 31, Issue 1, Feb (2003).
https://ieeexplore.ieee.org/document/1190702

Dielectric Barrier Discharge Plasma-Induced Photocatalysis and Ozonation for the Treatment of Wastewater Mok, Young Sun, Jo, Jin-Oh, and Lee, Heon-Ju, 1 February (2008), Plasma Science and Technology, Volume 10, Number 1.
https://www.researchgate.net/publication/231093287_Dielectric_Barrier_Discharge_Plasma-Induced_Photocatalysis_and_Ozonation_for_the_Treatment_of_Wastewater

Technical Papers Referencing North Star High Voltage Probes/Dividers

Cold Plasma in Modified Atmospheres for Post-harvest Treatment of Strawberries
N. N. Misra, Tamara Moiseev, Sonal Patil, S. K. Pankaj, Paula Bourke, J. P. Mosnier, K. M. Keener & P. J. Cullen, Food a Surface and Coatings Technology, 7, pages 3045–3054, (2014).
https://link.springer.com/article/10.1007/s11947-014-1356-0

Control of residual stress of tetrahedral amorphous carbon thin film deposited on dielectric material by filtered cathodic vacuum arc source by using mid-frequency pulse bias voltage
Jung-Hwan In, Young-Bok Kim, Yeon Hwang Ju, Hyeon Choi, Surface and Coatings Technology, Volume 349, 15 September (2018), Pages 909-916.
https://www.sciencedirect.com/science/article/abs/pii/S0257897218305796

Time Jitter Study of a Small V/n Switch
Anders Larsson; Danny Yap; Yong Wah Lim, IEEE Transactions on Plasma Science, Volume 40, Issue 10, Oct. (2012).
https://ieeexplore.ieee.org/document/6191506

Observation of Propagation Phenomenon of Air Discharge Penetrating Through Insulator Barrier in Discharge Path N. Araoka, N Takamura, Y Sasaki, M Mizusaki, M Matsuda, T Namihira, M Hanai, Proceedings of the 21st International Symposium on High Voltage Engineering, pp 410-419, 31 Oct (2019).
https://link.springer.com/chapter/10.1007/978-3-030-31680-8_42

Characterization and Statistical Analysis of Breakdown Data for a Corona-Stabilized Switch in Environmentally Friendly Gas Mixtures Ruairidh W. Macpherson; Mark P. Wilson; Scott J. MacGregor; Igor V. Timoshkin; Martin J. Given, IEEE Transactions on Plasma Science, Volume 46, Issue 10, Oct. (2018).
https://ieeexplore.ieee.org/document/8392378

Dynamic Responses of Biological Liquid to High Intensity and Sub-Microsecond Pulsed Electric Fields Priya R Chalise; Bucur M Novac; Ivor R Smith; Michael G Kong, Conference Record of the 2006 Twenty-Seventh International Power Modulator Symposium, 14-18 May (2006).
https://ieeexplore.ieee.org/document/4216245

Laser Thomson Scattering Diagnostics for Streamer Discharge in HE Gas
K. Eguch; R. Fujita; D. Wang; K. Tomita; T. Namihira, 2019 IEEE Pulsed Power & Plasma Science (PPPS) conference, 23-29 June (2019).
https://ieeexplore.ieee.org/document/9009628

Technical Papers Referencing North Star High Voltage Probes/Dividers

Application of TiO2-Coated Alumina Beads to Dielectric Barrier Discharge-Photocatalyst Hybrid Process for NO and SO2 Removals Anna Nasonova; Hung Cuong Pham; Dong-Joo Kim; Woo-Sik Kim; Tawatchai Charinpanitkul; Kyo-Seon Kim, Journal of Nanoscience and Nanotechnology, Volume 11, Number 2, February (2011), pp. 1323-1327(5).
https://pubmed.ncbi.nlm.nih.gov/21456180/

Precision capacitor charging switching power supplies
J. Jichetti; A. Bushnell; R. McDowell, Digest of Technical Papers, PPC-(2003), 14th IEEE International Pulsed Power Conference (IEEE Cat. No.03CH37472).
https://ieeexplore.ieee.org/document/1277765

Characterization of a Compact, Low-Cost Atmospheric-Pressure Plasma Jet Driven by a Piezoelectric Transformer

Direct Position Control of Dielectric Barrier Discharge Filaments
Matthew C. Paliwoda and Joshua Rovey, AIAA 2016-0197, Session: DBD Plasma Actuators I, 2 Jan (2016).
rc.aiaa.org/doi/abs/10.2514/6.2016-0197

Characterisation and statistical analysis of breakdown data for a corona-stabilised switch in environmentally-friendly gas mixtures
Macpherson, R. W., Wilson, M. P., MacGregor, S. J., Timoshkin, I. V., Given, M. J., Wang, T., (2018), IEEE Transactions on Plasma Science, ISSN 0093-3813.
https://ieeexplore.ieee.org/document/8392378

Resistance of Spark Channels
R. Montano; M. Becerra; V. Cooray; M. Rahman; P. Liyanage, IEEE Transactions on Plasma Science, Volume 34, Issue 5, Oct. (2006).
https://ieeexplore.ieee.org/document/1710018

Polyimide Film Surface Modification by Nanosecond High Voltage Pulse Driven Electrical Discharges in Water Camelia Miron, Camelia Hulubei, Ion Sava, Antje Quade, Anna Steuer, Klaus-Dieter Weltmann, Juergen F. Kolb, Plasma Processes and Polymers, Volume12, Issue 8, August (2015), Pages 734-745.
https://onlinelibrary.wiley.com/doi/abs/10.1002/ppap.201400170

Numerical simulation of a spark channel expansion in water and its comparison with an experimental result
V. Stelmashuk, P. Hoffer, and K. K. J. Straus, IEEE Pulsed Power & Plasma Science (PPPS), Orlando, FL, USA, pp. 1-4, (2019), doi: 10.1109/PPPS34859.2019.9009660.
https://ieeexplore.ieee.org/abstract/document/9009660

In-package atmospheric pressure cold plasma treatment of strawberries
N.Misra, Sonal Patil, Tamara Moiseev, Paula Bourke, J.P. Mosnier, K.M. Keenera, P.J. Cullen, Journal of Food Engineering, Volume 125, March (2014), Pages 131-138.

Technical Papers Referencing North Star High Voltage Probes/Dividers

https://www.sciencedirect.com/science/article/abs/pii/S0260877413005384
Fundamental properties of a touchable high-power pulsed microplasma jet and its application as a desorption/ionization source for ambient mass spectrometry Takahiro Iwai, Ken Kakegawa, Kensuke Okumura, Mieko Kanamori-Kataoka, Hidekazu Miyahara, Yasuo Seto, Akitoshi Okino, Journal of Mass Spectroscopy, Volume 49, Issue 6, June (2014), Pages 522-528.
https://onlinelibrary.wiley.com/doi/abs/10.1002/jms.3368

Reduction of nitrogen oxides from simulated exhaust gas by using plasma–catalytic process YS Mok, DJ Koh, DN Shin, KT Kim, Fuel Processing Technology, Volume 86, Issue 3, 15 December 2004, Pages 303-317, (2004).
https://www.sciencedirect.com/science/article/pii/S037838200400089X

Degradation of organic contaminant by using dielectric barrier discharge reactor immersed in wastewater
YS Mok, JO Jo, IEEE transactions on Plasma Science, Volume 34, Issue 6, Dec. (2006).
https://ieeexplore.ieee.org/document/4032899

Improvement in selective catalytic reduction of nitrogen oxides by using dielectric barrier discharge YS Mok, HJ Lee, M Dors, J Mizeraczyk, Chemical Engineering Journal, Volume 110, Issues 1–3, 1 June (2005), Pages 79-85.
https://www.sciencedirect.com/science/article/abs/pii/S138589470500152X

In-situ production of ozone and ultraviolet light using a barrier discharge reactor for wastewater treatment J.O Jo, Y.S Mok, Journal of Zhejiang University-SCIENCE A, volume 10, pages 1359–1366, (2009).
https://link.springer.com/article/10.1631/jzus.A0820696

Degradation of a textile azo dye by pulsed arc discharge to the surface of wastewater YS Mok, JO Jo, Korean Journal of Chemical Engineering, 24 (4):607-611, (2007).
https://www.researchgate.net/publication/225573087_Degradation_of_a_textile_azo_dye_by_pulsed_arc_discharge_to_the_surface_of_wastewater

Hydrodynamic parameters of air-bubble stimulated underwater spark discharges
Y. Sun et al., IEEE 19th International Conference on Dielectric Liquids (ICDL), Manchester, (2017), pp. 1-4, doi: 10.1109/ICDL.2017.8124689.
https://ieeexplore.ieee.org/document/8124689

The impact of interfaces and space charge formation on breakdown strength of epoxy resin
I. Iddrissu, S. M. Rowland, and A. Tzimas, IEEE Conference on Electrical Insulation and Dielectric Phenomena (CEIDP), Des Moines, IA, (2014), pp. 90-93.

Technical Papers Referencing North Star High Voltage Probes/Dividers

https://ieeexplore.ieee.org/document/6995911

Characteristics of Back Corona Discharge in a Honeycomb Catalyst and Its Application for Treatment of Volatile Organic Compounds Fada Feng, Yanyan Zheng, Xinjun Shen, Qinzhen Zheng, Shaolong Dai, Xuming Zhang, Yifan Huang, Zhen Liu, and Keping Yan, Environmental Science & Technology, (**2015),** 49 (11), 6831-6837.
https://pubs.acs.org/action/showCitFormats?doi=10.1021%2Facs.est.5b00447&href=/doi/10.1021%2Facs.est.5b00447

Nanoscale Corona Discharge in Liquids, Enabling Nanosecond Optical Emission Spectroscopy
Staack, D., Fridman A., Gutsol, A., Gogotsi, Y., and Friedman, G., (2008), Angewandte Chemie International Edition, 47: 8020-8024, doi:10.1002/anie.200802891.
https://onlinelibrary.wiley.com/doi/abs/10.1002/anie.200802891

Impulse electromagnetic interference generator
R. Verma et al., Conference Record of the Twenty-Sixth International Power Modulator Symposium, High-Voltage Workshop., San Francisco, CA, (2004), pp. 543-546, doi: 10.1109/MODSYM.2004.1433634.
https://ieeexplore.ieee.org/document/1433634

Breakdown strength and dielectric recover investigation inside a supercritical switch
Zhang, Jin Jin, van Ejm Bert Heesch, Takao Namihira, Fjcm Frank Beckers, and Ajm Guus Pemen, (2014).
https://www.semanticscholar.org/paper/Breakdown-strength-and-dielectric-recover-inside-a-Zhang-Heesch/c0c89486ff605376bcdf8a533fbad04214b76724

Miniature 100-kV explosively driven prime power sources based on transverse shock-wave depolarization of Pb(Zr0.95Ti0.05)O3 ferroelectric ceramics
S. I. Shkuratov et al., 2011 IEEE Pulsed Power Conference, Chicago, IL, (2011), pp. 536-539, doi: 10.1109/PPC.2011.6191481.
https://ieeexplore.ieee.org/document/6191481

Data Transmission Using Gyrotron Radiation as a Carrier
A. Fokin, A.Sedov, A. Tsvetkov, Institute of Applied Physics of the Russian Academy of Sciences, Nizhny Novgorod, Russia, EPJ Web of Conferences 187, 01007 (2018), 30th Joint Russian-German Meeting on ECRH and Gyrotrons, doi.org/10.1051/epjconf/201818701007.
https://www.epj-conferences.org/articles/epjconf/pdf/2018/22/epjconf_rgm2018_01007.pdf

Surface flashover of oil-immersed dielectric materials in uniform and non-uniform fields
M. P. Wilson et al., IEEE Transactions on Dielectrics and Electrical Insulation, vol. 16, no. 4, pp. 1028-1036, August (2009), doi: 10.1109/TDEI.2009.5211850.
https://ieeexplore.ieee.org/document/5211850

Technical Papers Referencing North Star High Voltage Probes/Dividers

Induction Motor Performance Testing With an Inverter Power Supply: Part 2
R. C. Zowarka, T. J. Hotz, J. R. Uglum, and H. E. Jordan, IEEE Transactions on Magnetics, vol. 43, no. 1, pp. 275-278, January, (2007), doi: 10.1109/TMAG.2006.887599.
https://ieeexplore.ieee.org/document/4033139

Polarity effects on breakdown of short gaps in a point-plane topology in air
M. G. Hogg, I. V. Timoshkin, S. J. Mcgregor, M. P. Wilson, and M. J. Given, IEEE Transactions on Dielectrics and Electrical Insulation, vol. 22, no. 4, pp. 1815-1822, August (2015), doi: 10.1109/TDEI.2015.005029.
https://ieeexplore.ieee.org/document/7179136

HEAT TRANSFER ANALYSIS OF CAPILLARY DBD-SOURCE
K. Sklias1, D. Athanasopoulos, P. Papadopoulos, P. Svarnas, K. Gazeli, And P. Vafeas
Conference: 22nd International Conference on Gas Discharges and Their Applications, At Novi Sad, Serbia, (2018).
https://www.researchgate.net/profile/Kyriakos_Sklias/publication/328223813_HEAT_TRANSFER_ANALYSIS_OF_CAPILLARY-DBD_SOURCE/links/5bbf4952a6fdccf29792be82/HEAT-TRANSFER-ANALYSIS-OF-CAPILLARY-DBD-SOURCE.pdf

An experimental and analytical study of plasma closing switches filled with environmentally friendly gases C. McGarvey, I. V. Timoshkin, S. J. MacGregor, M. P. Wilson, M. J. Given, and M. A. Sinclair, IEEE Pulsed Power Conference (PPC), Austin, TX, (2015), pp. 1-6, doi: 10.1109/PPC.2015.7296988.
https://ieeexplore.ieee.org/document/7296988

Aerodynamic modification of flow over bluff objects by plasma actuation
Sung, Y., Kim, W., Mungal, M.G. et al.. Exp Fluids 41, 479–486, (2006), doi.org/10.1007/s00348-006-0175-0.
https://link.springer.com/article/10.1007/s00348-006-0175-0#citeas

Non-thermal dielectric barrier discharge plasma induces angiogenesis through reactive oxygen species
K. P. Arjunan and A. M. Clyne, Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Boston, MA, (2011), pp. 2447-2450, doi: 10.1109/IEMBS.2011.6090680.
https://ieeexplore.ieee.org/document/6090680

Effect of Transient Plasma on Ignition Delay Characteristics of Fuel Spray Ignited by Spark-A Review Ahmadi Ghadikolaei, Meisam, International Journal of Engineering and Innovative Technology (IJEIT), 3, (2014), 160-168.
https://www.researchgate.net/publication/292388458_Effect_of_Transient_Plasma_on_Ignition_Delay_Characteristics_of_Fuel_Spray_Ignited_by_Spark-A_Review/citation/download
A STUDY OF HIGH-POWER SWITHC WITH THYRISTOR FOR PULSE POWER APPLICATIONS

Technical Papers Referencing North Star High Voltage Probes/Dividers

Y. G. Son, S. D. Jang, J. S. Oh, M. H. Cho, W. Namkung Pohang, Accelerator Laboratory, Proceedings of LINAC, (2002), Gyeongju, Korea.
https://accelconf.web.cern.ch/l02/PAPERS/MO468.PDF

Breakdown voltage estimation of a supercritical nitrogen plasma switch
Zhang, J., Heesch, van, E. J. M., & Pemen, A. J. M., Proceedings of the 4th Euro-Asian Pulsed Power Conference and the 19th International Conference on High-Power Particle Beams (EAPPC/BEAMS2012), September 30 - October 4, (2012), Karlsruhe, Germany, (pp. 1-5).
https://research.tue.nl/en/publications/breakdown-voltage-estimation-of-a-supercritical-nitrogen-plasma-s

Design and performance analysis of transmission line-based nanosecond pulse multiplier
Verma, Rishi & Shyam, A. & Shah, Kunal, (2006), Sadhana, 31, 597-611, doi: 10.1007/BF02715916.
https://www.researchgate.net/publication/226096721_Design_and_performance_analysis_of_transmission_line-based_nanosecond_pulse_multiplier/citation/download

A Study of Energy Partition During Arc Initiation
S. G. Koutoula et al., IEEE Transactions on Plasma Science, vol. 44, no. 10, pp. 2137-2144, October, (2016), doi: 10.1109/TPS.2016.2579312.
https://ieeexplore.ieee.org/document/7497470

Electrical, Thermal and Optical Diagnostics of an Atmospheric Plasma Jet System
Nwankire, C.E., Law, V.J., Nindrayog, A. et al., Plasma Chem Plasma Process, 30**,** 537–552 (2010), doi.org/10.1007/s11090-010-9236-5.
https://link.springer.com/article/10.1007/s11090-010-9236-5#citeas

Pulse Breakdown Strengths of Liquid, Gel and Solid Insulating Materials Using Closely Spaced Spherical Electrode P.J. Leask, Proceedings of the 2nd Euro-Asian Pulsed Power Conference, Vilnius, Lithuania, September 22–26, (2008).
http://przyrbwn.icm.edu.pl/APP/PDF/115/a115z616.pdf

Thermodynamical calculation of metal heating in nanosecond exploding wire and foil experiments G. S. Sarkisova, S. E. Rosenthal, and K. W. Struve, Review of Scientific Instruments, 78, 043505, (2007), doi.org/10.1063/1.2712938.
https://aip.scitation.org/doi/abs/10.1063/1.2712938

Nanosecond-Pulsed Uniform Dielectric-Barrier Discharge
H. Ayan, G. Fridman, A. F. Gutsol, V. N. Vasilets, A. Fridman, and G. Friedman, IEEE Transactions on Plasma Science, vol. 36, no. 2, pp. 504-508, April (2008), doi: 10.1109/TPS.2008.917947.
https://ieeexplore.ieee.org/abstract/document/4480825

Technical Papers Referencing North Star High Voltage Probes/Dividers

Compact pulse forming line using barium titanate ceramic material
Surender Kumar, Sharma, P. Deb, R. Shukla, T. Prabaharan, and A. Shyam, Review of Scientific Instruments, 82, 115102 (2011), doi.org/10.1063/1.3658823.
https://aip.scitation.org/doi/abs/10.1063/1.3658823

Effect of Plasma Exposure on the Chemistry and Morphology of Aerosol-Assisted, Plasma-Deposited Coatings Twomey, Barry; Rahman, Mahfujur; Byrne, Gerry; Hynes, Alan; O'Hare, Lesley-Ann; O'Neill, Liam; Dowling, Denis, (2008), Plasma Processes and Polymers, 5, 737-744, doi: 10.1002/ppap.200800048.
https://www.researchgate.net/publication/229891730_Effect_of_Plasma_Exposure_on_the_Chemistry_and_Morphology_of_Aerosol-Assisted_Plasma-Deposited_Coatings

Correlation Between the Electrical and Optical Properties of an Atmospheric Pressure Plasma During Siloxane Coating Deposition Twomey, B., Nindrayog, A., Niemi, K. et al. Plasma Chem Plasma Process 31**,** 139–156 (2011), doi.org/10.1007/s11090-010-9266-z.
https://link.springer.com/article/10.1007/s11090-010-9266-z#citeas

Study on Plasma Agent Effect of a Direct-Current Atmospheric Pressure Oxygen-Plasma Jet on Inactivation of E. coli Using Bacterial Mutants J. Li, N. Sakai, M. Watanabe, E. Hotta, and M. Wachi, IEEE Transactions on Plasma Science, vol. 41, no. 4, pp. 935-941, April (2013), doi: 10.1109/TPS.2013.2248395.
https://ieeexplore.ieee.org/abstract/document/6476743

Note: Compact helical pulse forming line for the generation of longer duration rectangular pulse Surender Kumar Sharma, P. Deb, Archana Sharma, R. Shukla, T. Prabaharan, B. Adhikary, and A. Shyam, Review of Scientific Instruments, 83, 066103 (2012); doi.org/10.1063/1.4728206.
https://aip.scitation.org/doi/10.1063/1.4728206

Note: Fast double pulse system using transmission line characteristic of the pulse forming line Sharma, Surender; Deb, Pankaj; Sharma, Archana; Shyam, A., (2012), The Review of Scientific Instruments, 83, 116108, doi: 10.1063/1.4769051.
https://www.researchgate.net/publication/233837270_Note_Fast_double_pulse_system_using_transmission_line_characteristic_of_the_pulse_forming_line

Direct voltage and trapped charge effects on the protective characteristic of ZnO surge arresters A. Haddad et al., IEE Proceedings - Science, Measurement and Technology, vol. 142, no. 6, pp. 442-448, Nov. (1995), doi: 10.1049/ip-smt:19952137.
https://ieeexplore.ieee.org/document/487632

Technical Papers Referencing North Star High Voltage Probes/Dividers

Pesticide degradation in water using atmospheric air cold plasma
Sarangapani, Chaitanya; Misra, N.N.; Milosavljevic, Vladimir; Bourke, Paula; O'Regan, Finbarr; Cullen, P.J., (2016), Journal of Water Process Engineering, 9, 225-232, doi: 10.1016/j.jwpe.2016.01.003.
https://www.researchgate.net/publication/291823445_Pesticide_degradation_in_water_using_atmospheric_air_cold_plasma

Post-discharge gas composition of a large-gap DBD in humid air by UV–Vis absorption spectroscopy T Moiseev, N N Misra, S Patil, P J Cullen, P Bourke, K M Keener, and J P Mosnier, Plasma Sources Science and Technology, Volume 23, Number 6, 20 October (2014).
https://iopscience.iop.org/article/10.1088/0963-0252/23/6/065033/meta

Factors affecting the UV emission from pulsed surface discharges
A. Tuema, S. J. MacGregor, R. A. Fouracre, D. J. Fulker, A. J. Finlayson and P. A. Winstanley, IEEE Transactions on Plasma Science, vol. 28, no. 5, pp. 1588-1592, Oct. (2000), doi: 10.1109/27.901238.
https://ieeexplore.ieee.org/document/901238

Effect of titanium oxide nanoparticle incorporation into nm thick coatings deposited using an atmospheric pressure plasma Dowling P Denis, Twomey Barry, and Byrne Gerry, J Nanosci Nanotechnol, (2010), Apr; 10(4):2746-52, doi: 10.1166/jnn.2010.1432.
https://pubmed.ncbi.nlm.nih.gov/20355495/

Differences in AC and DC large-area breakdown behavior of polymer thin films
M. Ritämaki, I. Rytöluoto, M. Niittymäki, K. Lahti, and M. Karttunen, IEEE International Conference on Dielectrics (ICD), Montpellier, (2016), pp. 1011-1014, doi: 10.1109/ICD.2016.7547789. https://ieeexplore.ieee.org/document/7547789

Surface flashover of dielectric materials used in pulsed power research
M. P. Wilson et al., 16th IEEE International Pulsed Power Conference, Albuquerque, NM, (2007), pp. 1665-1668, doi: 10.1109/PPPS.2007.4652510.
https://ieeexplore.ieee.org/document/4652510

Effect of plasma treatment on osteoblastic adhesion over poly (ε-caprolactone) scaffolds
E. D. Yildirim, H. Ayan, V. Vasilets, A. Fridman, S. Guceri and W. Sun, IEEE 33rd Annual Northeast Bioengineering Conference, Long Island, NY, (2007), pp. 243-244, doi: 10.1109/NEBC.2007.4413368.
https://ieeexplore.ieee.org/abstract/document/4413368/similar#similar

Real-time process monitoring during the plasma treatment of carbon weave composite materials Law, V; Ramamoorthy, A; and Dowling, Denis, (2011), Journal of Materials Science in Engineering, 1, 164-169.https://www.researchgate.net/publication/236005227_Real-time_process_monitoring_during_the_plasma_treatment_of_carbon_weave_composite_materials

Technical Papers Referencing North Star High Voltage Probes/Dividers

Prospects of airflow control by a gliding arc in a static magnetic field
Balcon, Nicolas; Benard, Nicolas; Braud, Patrick; Mizuno, A; Touchard, G; Moreau, Eric., Journal of Physics D: Applied Physics, 41, 205204, (2008), 10.1088/0022-3727/41/20/205204.
https://www.researchgate.net/publication/231146148_Prospects_of_airflow_control_by_a_gliding_arc_in_a_static_magnetic_field/citation/download

Evaluation of the Effect of Plasma Treatment Frequency on the Activation of Polymer Particles
Abourayana, H.M., Milosavljević, V., Dobbyn, P. et al., Plasma Chem Plasma Process, 37**,** 1223–1235 (2017), doi.org/10.1007/s11090-017-9810-1.
https://link.springer.com/article/10.1007/s11090-017-9810-1#citeas

Generation of In-Package Cold Plasma and Efficacy Assessment Using Methylene Blue
Misra, N.N., Keener, K.M., Bourke, P. et al., Plasma Chem Plasma Process 35, 1043–1056, (2015), doi: 10.1007/s11090-015-9638-5.
https://link.springer.com/article/10.1007/s11090-015-9638-5#citeas

Transportable High-Energy High-Current Inductive Storage GW Generator
B. M. Novac et al*.,* IEEE Transactions on Plasma Science, vol. 42, no. 10, pp. 2919-2933, Oct. (2014), doi: 10.1109/TPS.2014.2340014.
https://ieeexplore.ieee.org/abstract/document/6871374

Specifičnosti visokonaponskih visokofrekventnih merenja na elektrodnom sistemu elektrostatičkih izdvajača u termoelektranama
Miloš R. Nedeljković and Željko V. Despotović, INFOTEH-JAHORINA, Vol. 14, March (2015).
https://www.researchgate.net/publication/273774423_Specificnosti_visokonaponskih_visokofrekventnih_merenja_na_elektrodnom_sistemu_elektrostatickih_izdvajaca_u_termoelektranama

Pulse-Current Sources for Plasma Accelerators
Shurupov, Alexei; Kozlov, Alexander; Shurupov, Mikhail; Zavalova, Valentina; Zhitlukhin, Anatoly; Bakhtin, Vitalliy; Umrikhin, Nikolai; Es'kov, Alexei, (2018), Energies, 11, 3057, doi: 10.3390/en11113057.
https://www.researchgate.net/publication/328797787_Pulse-Current_Sources_for_Plasma_Accelerators/citation/download

Univerzalni elektronski merni modul za merenje struje i napona elektrostatičkih izdvajača
Vukosavic, Slobodan; Despotovic, Dr Zeljko; Popov, Nikola, Energija, March, (2011), 1, 32-35.
https://www.researchgate.net/publication/281032830_Univerzalni_elektronski_merni_modul_za_merenje_struje_i_napona_elektrostatickih_izdvajaca/citation/download

Matching high voltage pulsed power technologies
Voeten, SJ, PhD Thesis, January, (2013).
https://pdfslide.net/documents/matching-high-voltage-pulsed-power-technologies-sj-voeten-phd-thesis.html

Technical Papers Referencing North Star High Voltage Probes/Dividers

Experimental investigations of pseudospark discharge and pseudospark produced intense electron beams
Hu, Jing; PhD dissertation, Missouri State University, (2012).
https://scholarsmine.mst.edu/doctoral_dissertations/33/

Design and Implementation of a Frequency Response Test System for Instrument Voltage Transformer Performance Studies Zhao, Senpeng; PhD dissertation, University of Manchester, (2013).
https://www.research.manchester.ac.uk/portal/en/theses/design-and-implementation-of-a-frequency-response-test-system-for-instrument-voltage-transformer-performance-studies(3e65a4d8-937e-4a3d-8308-734e03f29255).html

Pressure Field Around Underwater Negative Streamers
P. Hoffer; K. Kolacek; P. Lukes; and V. Stelmashuk, IEEE Transactions on Plasma Science, vol. 43, no. 5, pp. 1787-1792, May (2015), doi: 10.1109/TPS.2015.2413213.
https://ieeexplore.ieee.org/document/7073651

On polarity effect of underwater impulse breakdown
X. Li, X. Chen, and J. Li, IEEE 20th International Conference on Dielectric Liquids (ICDL), Roma, Italy, (2019), pp. 1-3, doi: 10.1109/ICDL.2019.8796567.
https://ieeexplore.ieee.org/abstract/document/8796567

Nanosecond high-voltage pulse generator using a spiral Blumlein PFL for electromagnetic interference test
S. W. Lim, J. S. Kim, C. H. Cho, Y. B. Kim, S. Katsuki and Y. S. Jin, 19th IEEE Pulsed Power Conference (PPC), San Francisco, CA, (2013), pp. 1-4, doi: 10.1109/PPC.2013.6627432.
https://ieeexplore.ieee.org/document/6627432

Impulse breakdown of liquid water-influence of pulse duration and gap distance
X. Li, Y. Liu, L. Tao, X. Chen, and J. Li, IEEE Transactions on Dielectrics and Electrical Insulation, vol. 26, no. 4, pp. 1154-1162, Aug. (2019), doi: 10.1109/TDEI.2019.007918.
https://ieeexplore.ieee.org/document/8785919

Study on Inactivation Mechanism of an Atmospheric DBD Plasma Jet using Escherichia coli Mutants Jia Li, Natsuko Sakai, Masato Watanabe, Eiki Hotta, Masaaki Wachi, (2013), Volume 133, Issue 4, Pages 192-197, DOI: doi.org/10.1541/ieejfms.133.192.
https://www.jstage.jst.go.jp/article/ieejfms/133/4/133_192/_article

Technical Papers Referencing North Star High Voltage Probes/Dividers

Silicone rubber insulators for polluted environments part 1: enhanced artificial pollution tests
P. Charalampidis, M. Albano, H. Griffiths, A. Haddad, and R. T. Waters, IEEE Transactions on Dielectrics and Electrical Insulation, vol. 21, no. 2, pp. 740-748, April (2014), doi: 10.1109/TDEI.2013.004015.
https://ieeexplore.ieee.org/document/6783068

Electrical and optical characteristics of water under high electric stress
S. Katsuki, R. P. Joshi, M. Laroussi, F. Leipold, and K. H. Schoenbach, Conference Record of the Twenty-Fifth International Power Modulator Symposium, 2002 and 2002 High-Voltage Workshop., Hollywood, CA, USA, (2002), pp. 467-470, doi: 10.1109/MODSYM.2002.1189516.
https://ieeexplore.ieee.org/document/1189516

Resonant Tesla driven repetitive x-ray emission source
Verma, Rishi; Mishra, Ekansh; Sagar, Karuna; Meena, Manraj; and Shyam, Anurag; Bhabha Atomic Research Centre, Visakhapatnam, India, Jun (2015); 20 p.
https://inis.iaea.org/search/search.aspx?orig_q=RN:46076130

OPTIMIZING SWAP FOR DIRECTED ENERGY–DETECTION OF BURIED CONDUCTORS WITH LOW-ENERGY HIGH-VOLTAGE PULSES
Pouncey, Jon C., University of New Mexico, April 17 (2017).
https://digitalrepository.unm.edu/ece_etds/487/

High-Voltage, Multiphasic, nanosecond pulses to modulate cellular responses
H. A. Ryan, S. Hirakawa, E. Yang, C. Zhou, and S. Xiao, IEEE Transactions on Biomedical Circuits and Systems, vol. 12, no. 2, pp. 338-350, April (2018), doi: 10.1109/TBCAS.2017.2786586.
https://ieeexplore.ieee.org/document/8293833

Commercial-scale pulsed electric field processing of orange juice
S. Min; Z.T. Jin; S.K. Min; H. Yeom; Q.H. Zhang; 20 July (2006)
doi.org/10.1111/j.1365-2621.2003.tb09637.x.
https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1365-2621.2003.tb09637.x

Breakdown voltage of thermoplastics with clay nanometer-sized fillers
S. S. Brandstetter, L. F. Drummy, J. C. Horwath, D. L. Schweickart, and R. A. Vaia, IEEE International Power Modulators and High-Voltage Conference, Las Vegas, NV, (2008), pp. 287-290, doi: 10.1109/IPMC.2008.4743638.
https://ieeexplore.ieee.org/document/4743638

Effects of commercial-scale pulsed electric field processing on flavor and color of tomato juice
S. Min and Q.H. Zhang, 20 July (2006),
doi.org/10.1111/j.1365-2621.2003.tb12298.x.
https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1365-2621.2003.tb12298.x

Technical Papers Referencing North Star High Voltage Probes/Dividers

Effects of pulsed electric field processing on microbial survival, quality change and nutritional characteristics of blueberries Tony Z, Jin Yuanshan, Yu Joshua, and B Gurtler, LWT, Volume 77, April (2017), Pages 517-524.
https://www.sciencedirect.com/science/article/pii/S0023643816307861

Evaluation of Microbial Stability, Bioactive Compounds, Physicochemical Properties, and Consumer Acceptance of Pomegranate Juice Processed in a Commercial Scale Pulsed Electric Field System Guo, M., Jin, T.Z., Geveke, D.J. et al., Food Bioprocess Technol 7, 2112–2120 (2014). doi.org/10.1007/s11947-013-1185-6.

https://link.springer.com/article/10.1007/s11947-013-1185-6#citeas

Biochemical degradation and physical migration of polyphenolic compounds in osmotic dehydrated blueberries with pulsed electric field and thermal pretreatments
Yuanshan Yu , Tony Z Jin , Xuetong Fan , Jijun Wu,
Food Chem, (2018) Jan 15, 239:1219-1225, doi: 10.1016.
https://pubmed.ncbi.nlm.nih.gov/28873543/

Osmotic dehydration of blueberries pretreated with pulsed electric fields: Effects on dehydration kinetics, and microbiological and nutritional qualities
Yuanshan Yu, Tony Z. Jin, Xuetong Fan, & Yujuan Xu, (2017), Drying Technology, 35:13, 1543-1551, DOI: 10.1080/07373937.2016.1260583.
https://www.tandfonline.com/doi/abs/10.1080/07373937.2016.1260583

Commercial scale pulsed electric field processing of tomato juice
Seacheol, Min; Jin, Tony Z.; Zhang, Q. Howard,
Journal of Agricultural and Food Chemistry, (2003), 51, (11), 3338-3344,
DOI: 10.1021/jf0260444.
https://pubs.acs.org/doi/abs/10.1021/jf0260444#

Upscaling from benchtop processing to industrial scale production: More factors to be considered for pulsed electric field food processing
Tony Z.Jin, Mingming Guo, Howard Q. Zhang; Journal of Food Engineering, Volume 146, February (2015), Pages 72-80,
doi.org/10.1016/j.jfoodeng.2014.08.020.
https://www.sciencedirect.com/science/article/abs/pii/S0260877414003586

Combination of pulsed electric field processing and antimicrobial bottle for extending microbiological shelf-life of pomegranate juice
Tony Z.Jin, Mingming Guo, Ruijin Yang, Innovative Food Science & Emerging Technologies, Volume 26, December (2014), Pages 153-158,
doi.org/10.1016/j.ifset.2014.07.011.
https://www.sciencedirect.com/science/article/pii/S1466856414001301

Technical Papers Referencing North Star High Voltage Probes/Dividers

Validation of a pulsed electric field process to pasteurize strawberry purée
David J. Geveke, Isolde Aubuchon, Howard Q. Zhang, Glenn Boyd, Joseph E.Sites, Andrew B.W.Bigley, Journal of Food Engineering, Volume 166, December (2015), Pages 384-389, doi.org/10.1016/j.jfoodeng.2015.05.008.
https://www.sciencedirect.com/science/article/abs/pii/S0260877415002198

Quality of applesauces processed by pulsed electric fields and HTST pasteurisation
ZT Jin, HQ Zhang, SQ Li, M Kim, CP Dunne, T Yang, AO Wright, J Venter-Gains, 13 March (2009), doi.org/10.1111/j.1365-2621.2009.01912.x.
https://ifst.onlinelibrary.wiley.com/doi/abs/10.1111/j.1365-2621.2009.01912.x

Ceramic-Polymer Composite for High Energy Density Capacitors
J. Borchardt, J. Alexander, and K. Slenes, IEEE 34th International Conference on Plasma Science (ICOPS), Albuquerque, NM, (2007), pp. 268-268, doi: 10.1109/PPPS.2007.4345574.
https://ieeexplore.ieee.org/document/4345574

A 40 KV, 3.1 Ω\OmegaΩ PFN for the Main Injector Abort Kicker
C.C. Jensen, May (1997), Conf.Proc. C, 17th IEEE Particle Accelerator Conference (PAC 97): Accelerator Science, Technology, and Applications, 1284-1286, FERMILAB-CONF-97-482-AD.
https://inspirehep.net/literature/459982

A 40 kV, 3.1 /spl Omega/ PFN for the Main Injector abort kicker
C. C. Jensen, Proceedings of the 1997 Particle Accelerator Conference, Vancouver, BC, Canada, (1997), pp. 1284-1286, vol.1, doi: 10.1109/PAC.1997.750001.
https://ieeexplore.ieee.org/document/750001

Ceramic-polymer composite capacitors for compact pulsed power applications
K. Slenes, N. Berg, and R. De La Fuente, IEEE International Power Modulator and High Voltage Conference (IPMHVC), Santa Fe, NM, (2014), pp. 145-148, doi: 10.1109/IPMHVC.2014.7287229.
https://ieeexplore.ieee.org/document/7287229

Food processing by pulsed electric fields: treatment delivery, inactivation level, and regulatory aspects M.M.Góngora-Nieto, D.R.Sepúlveda, P.Pedrow, G.V.Barbosa-Cánovas, B.G.Swanson, LWT - Food Science and Technology, Volume 35, Issue 5, August (2002), Pages 375-388, doi.org/10.1006/fstl.2001.0880.
https://www.sciencedirect.com/science/article/pii/S0023643801908801

Pulsed high voltage measurements with compact coaxial capacitive sensors
Verma, Rishi; Mishra, Ekansh; Sagar, Karuna; Meena, Manraj; Shyam, Anurag, (BARC--(2015)/E/003). India.
https://inis.iaea.org/search/search.aspx?orig_q=RN:46076129

Technical Papers Referencing North Star High Voltage Probes/Dividers

Optical Diagnostics for high power pulsed underwater electrical discharge characterization
J Deroy et al., (2014), J. Phys.: Conf. Ser. 500 142010.
https://iopscience.iop.org/article/10.1088/1742-6596/500/14/142010

Single phase axial mixing in rotating disc contactors
J.C. Godfrey; D.Houlton; K.R.M.Ramlochan; M.J.Slater,
Chemical Engineering Research and Design,
Volume 79, Issue 2, March (2001), Pages 156-162,
doi.org/10.1205/02638760151095971.
https://www.sciencedirect.com/science/article/abs/pii/S026387620172031X

UV Induced Insulator Flashover
J. B. Javedani, T. L. Houck, B. T. Kelly, D. A. Lahowe, M. D. Shirk, and D. A. Goerz, IEEE International Power Modulators and High-Voltage Conference, Las Vegas, NV, (2008), pp. 33-36, doi: 10.1109/IPMC.2008.4743569.
https://ieeexplore.ieee.org/document/4743569

A simple 150 kV solid state pulse generator for 1.2/50 usec testing with enhanced transformer drive R. J. Adler, 19th IEEE Pulsed Power Conference (PPC), San Francisco, CA, (2013), pp. 1-2, doi: 10.1109/PPC.2013.6627695.
https://ieeexplore.ieee.org/document/6627695

Optimization and Analysis on Ion Mobility Spectrometer Based on a Laser Ionization Source
R. Ji and X. Wang, 2011 International Conference on Control, Automation and Systems Engineering (CASE), Singapore, (2011), pp. 1-3, doi: 10.1109/ICCASE.2011.5997530.
https://ieeexplore.ieee.org/abstract/document/5997530

A sealed-off double-gap pseudospark switch and its performance analysis
RP Lamba, BL Meena, and R Prakash, Plasma Sources Science and Technology, Volume 27, Number 3, 28 February (2018).
https://iopscience.iop.org/article/10.1088/1361-6595/aaab80/meta

High-voltage pulsed generator for dynamic fragmentation of rocks
B M Kovalchuk, A V Kharlov, V A Vizir, V V Kumpyak, V B Zorin, and V N Kiselev, Rev Sci Instrum, (2010), Oct; 81(10):103506, doi: 10.1063/1.3497307.
https://pubmed.ncbi.nlm.nih.gov/21034090/

A parametric SPICE model for the simulation of spark gap switches

J Cameron Pouncy and Jane M. Lehr, Review of Scientific Instruments, Volume 91, Issue 3, (2020), DOI: 10.1063/1.5142006.
https://aip.scitation.org/doi/abs/10.1063/1.5142006?journalCode=rsi

Technical Papers Referencing North Star High Voltage Probes/Dividers

Study on the High-Voltage Solid-State Pulsed-Power Modulator for Parallel Reactor Operation
S. Song, H. Jo and H. Ryoo, IEEE Transactions on Plasma Science, vol. 47, no. 10, pp. 4495-4499, Oct. (2019), doi: 10.1109/TPS.2019.2917189.
https://ieeexplore.ieee.org/document/8726374

Effect of plasma exposure on the chemistry and morphology of aerosol-assisted, plasma-deposited coatings Twomey, Barry; Rahman, Mahfujur; Byrne, Gerry; Hynes, Alan; O'Hare, Lesley-Ann; O'Neill, Liam; Dowling, Denis; Plasma Processes and Polymers, 5, 737-744, (2008), 10.1002/ppap.200800048.
https://www.researchgate.net/publication/229891730_Effect_of_Plasma_Exposure_on_the_Chemistry_and_Morphology_of_Aerosol-Assisted_Plasma-Deposited_Coatings

Suppression of self-pulsing regime of direct current driven microplasma discharges

Rajib Mahamud and Tanvir Farouk, Appl. Phys. Lett., 108, (2016), doi: 10.1063/1.4950730 .
https://aip.scitation.org/doi/abs/10.1063/1.4950730

Effect of Dielectric Barrier Discharge Plasma on the Attachment and Proliferation of Osteoblasts Cultured over Poly(*ε*-caprolactone) Scaffolds
Yildirim-Ayan, Eda; Ayan, Halim; Vasilets, Victor; Fridman, Alexander; Guceri, Selcuk; Sun, Wei, Plasma Processes and Polymers, 5, 58-66, (2008), 10.1002/ppap.200700041.
https://www.researchgate.net/publication/229867105_Effect_of_Dielectric_Barrier_Discharge_Plasma_on_the_Attachment_and_Proliferation_of_Osteoblasts_Cultured_over_Polye-caprolactone_Scaffolds

Atmospheric pressure dielectric barrier discharge for siloxane reformation
Shamia Hoque et al., J. Phys. D: Appl. Phys., 53 015202, (2020),
doi: 10.1088/1361-6463/ab4689.
https://iopscience.iop.org/article/10.1088/1361-6463/ab4689

Comparing deposition properties in an atmospheric pressure plasma system operating in uniform and nonuniform modes B. Twomey et al., IEEE Transactions on Plasma Science, vol. 37, no. 6, pp. 961-969, June (2009), doi: 10.1109/TPS.2009.2015226.
https://ieeexplore.ieee.org/document/4914827

A testbed for high voltage, high bandwidth characterization of nonlinear dielectrics
F. J. Zutavern, G. L. Brennecka, S. F. Glover, G. E. Pena, G. J. Denison, and J. M. Rudys, Abstracts IEEE International Conference on Plasma Science (ICOPS), San Francisco, CA, pp. 1, (2013), doi: 10.1109/PLASMA.2013.6634793.
https://ieeexplore.ieee.org/document/6634793

Technical Papers Referencing North Star High Voltage Probes/Dividers

Fast magnetization of amorphous metallic cores
J. M. Taccetti, R. McCrady, and C. R. Rose, 2017 IEEE 21st International Conference on Pulsed Power (PPC), Brighton, pp. 1-4, (2017), doi: 10.1109/PPC.2017.8291303.
https://ieeexplore.ieee.org/document/8291303

Dynamic characterization of next generation medium voltage (3.3 kv, 10 kv) silicon carbide power modules
J. Hayes et al., PCIM Europe 2017; International Exhibition and Conference for Power Electronics, Intelligent Motion, Renewable Energy and Energy Management, Nuremberg, Germany, pp. 1-7, (2017).
https://ieeexplore.ieee.org/document/7990668

Humic acid and trihalomethane breakdown with potential by-product formations for atmospheric air plasma water treatment
Chaitanya Sarangapani, Peng Lu, Patrice Behan, Paula Bourke, P.J. Cullen, Journal of Industrial and Engineering Chemistry, Volume 59, 25, Pages 350-361, March (2018).
https://www.sciencedirect.com/science/article/abs/pii/S1226086X17305828

Minimizing Magnitude of Current Spikes Resulting from Argon Non-Thermal Dielectric Barrier Discharge Jets Reid, Jack Burnett (2015). Undergraduate Research Scholars Program.
https://oaktrust.library.tamu.edu/handle/1969.1/164477

Breakdown Characteristics of Plasma Closing Switches filled with different gases
Mcgarvey, Caron; Timoshkin, I.V.; MacGregor, S.J.; Wilson, Mark; Given, Martin; Sinclair, Mark, 20th International Conference on Gas Discharges and their Applications, University of Strathclyde, Glasgow, G1 1XU, United Kingdom, (2014), 10.13140/2.1.4798.6887.
https://gd2014.sciencesconf.org/27162/GD_2014_CaronMcGarvey_27162.pdf

Magnetic field mapping of a field reversed configuration test article
Ryan A. Pahl, Warner C. Meeks, and Joshua L. Rovey, Missouri University of Science and Technology, Rolla, MO, 47th AIAA/ASME/SAE/ASEE Joint Propulsion Conference & Exhibit, 31 July-03 August (2011).
https://arc.aiaa.org/doi/10.2514/6.2011-5656

Landfill waste water treatment by application of pulsed high voltage
Takigawa, Akio, (2015), International Journal of Geomate. 10.21660/2015.17.4241.
https://www.researchgate.net/publication/307678170_LANDFILL_WASTE_WARTER_TREATMENT_BY_APPLICATION_OF_PULSED_HIGH_VOLTAGE

Technical Papers Referencing North Star High Voltage Probes/Dividers

A comparison between gas and atomized liquid precursor states in the deposition of functional coatings by pin corona plasma Herbert, Peter; O'Neill, Liam; Jaroszyńska-Wolińska, Justyna; Stallard, Charlie; Ramamoorthy, Amsarani; Dowling, Denis, Plasma Processes and Polymers, 8, 230-238, (2011), 10.1002/ppap.201000119.
https://onlinelibrary.wiley.com/doi/abs/10.1002/ppap.201000119

Solid-state circuit breakers for medium voltage DC power
M. Kempkes, I. Roth, and M. Gaudreau, IEEE Electric Ship Technologies Symposium, Alexandria, VA, pp. 254-257, (2011), doi: 10.1109/ESTS.2011.5770877.
https://ieeexplore.ieee.org/document/5770877

Design and performance of a 300 kJ pulsed power module for ETC application
Yun-Sik Jin, et al., IEEE Transactions on Magnetics, vol. 37, no. 1, pp. 165-168, Jan. (2001), doi: 10.1109/20.911813. https://ieeexplore.ieee.org/document/911813

Development of real-time non-invasive performance analysis tools for atmospheric pressure plasma system monitoring Tynan, J.; Law, V.; Twomey, Barry; Hynes Alan; Daniels, Stephen; Byrne, G.; Dowling, Denis, ICPIG Conference, Cancun, Mexico, (2009).
https://www.researchgate.net/publication/237573544_Development_of_real-time_non-invasive_performance_analysis_tools_for_atmospheric_pressure_plasma_system_monitoring

Real-time parametric analysis during the plasma treatment of carbon composite materials
Law, V; Ramamoorthy, A; and Dowling, Denis, Real-time process monitoring during the plasma treatment of carbon weave composite materials, Journal of Materials Science in Enigeering, 1, 164-169, (2011).https://www.researchgate.net/publication/236005227_Real-time_process_monitoring_during_the_plasma_treatment_of_carbon_weave_composite_materials

Effects of Fuel Mixture Properties on Nanosecond Pulsed High Frequency Discharge Ignition
Tichenor, Nathan; Leiweke, Robert; Ombrello, Timothy, AIAA 2019-0461
Session: Plasma-Assisted Combustion and Ignition I, (2018),
doi.org/10.2514/6.2019-0461. https://arc.aiaa.org/doi/abs/10.2514/6.2019-0461

Generation of Active Species in a Large Atmospheric-Pressure Plasma Jet
F. T. O'Neill et al., IEEE Transactions on Plasma Science, vol. 40, no. 11, pp. 2994-3002, Nov. (2012), doi: 10.1109/TPS.2012.2214403.
https://ieeexplore.ieee.org/document/6301740

Impulse and step voltage measurements on materials with non-linear VI characteristic
B. Sonerud et al., 2012 Annual Report Conference on Electrical Insulation and Dielectric Phenomena, Montreal, QC, pp. 207-210, (2012), doi: 10.1109/CEIDP.2012.6378757.
https://ieeexplore.ieee.org/abstract/document/6378757

Technical Papers Referencing North Star High Voltage Probes/Dividers

Reaction kinetics of phenols and p-nitrophenols in flowing aerated aqueous solutions generated by a discharge plasma jet Bingyan, Chen et al., Journal of Hazardous Materials Volume 363, Pages 55-63, 5 February (2019), doi: 10.1016/j.jhazmat.2018.09.051.
https://www.sciencedirect.com/science/article/abs/pii/S0304389418308458

Flexible test bed for MVDC and HFAC electric ship power system architectures for Navy ships
J. D. Herbst; A. L. Gattozzi; A. Ouroua; F. M. Uriarte; IEEE Electric Ship Technologies Symposium, Alexandria, VA, pp. 66-71, (2011), doi: 10.1109/ESTS.2011.5770843.
https://ieeexplore.ieee.org/document/5770843

Analysis of geometrical design parameters for high-energy and high-current-density pseudospark-sourced electron beam emission
N. Kumar, D. K. Pal, R. P. Lamba, U. N. Pal, and R. Prakash, IEEE Transactions on Electron Devices, vol. 64, no. 6, pp. 2688-2693, June (2017), doi: 10.1109/TED.2017.2696826.
https://ieeexplore.ieee.org/document/7917277

Heating effect of dielectric barrier discharges for direct medical treatment
H. Ayan et al., IEEE Transactions on Plasma Science, vol. 37, no. 1, pp., 113-120, Jan. (2009), doi: 10.1109/TPS.2008.2006899.
https://ieeexplore.ieee.org/document/4689362

The Study on the Electrical Characteristics of the Pulse Generator adopted Cascading Technique Joung, Jong-Han & Kim, Moon-Hwan, Journal of Power Electronics, 4(2), January (2004).
https://www.researchgate.net/publication/263636937_The_Study_on_the_Electrical_Characteristics_of_the_Pulse_Generator_adopted_Cascading_Technique

High voltage generation with transversely shock compressed ferroelectrics: Thickness dependent law for breakdown field
S. I. Shkuratov, J. Baird, V. G. Antipov, E. F. Talantsev, A. H. Stults, and L. L. Altgilbers, IEEE Pulsed Power Conference (PPC), Austin, TX, pp. 1-6, (2015), doi: 10.1109/PPC.2015.7296898.
https://ieeexplore.ieee.org/document/7296898

On the reliable probing of discrete plasma bullet propagation
Svarnas, Panagiotis; Gazeli, Kristaq; Gkelios, Alkis; Amanatides, E; Mataras, Dimitrios; Measurement Science and Technology, 29, (2018), 10.1088/1361-6501/aaa9b0.
https://www.researchgate.net/publication/322650341_On_the_reliable_probing_of_discrete_plasma_bullet_propagation

Technical Papers Referencing North Star High Voltage Probes/Dividers

High voltage generation with transversely shock-compressed ferroelectrics: Breakdown field on thickness dependence S. I. Shkuratov et al., IEEE Transactions on Plasma Science, vol. 44, no. 10, pp. 1919-1927, Oct. (2016), doi: 10.1109/TPS.2016.2553000. https://ieeexplore.ieee.org/document/7463044

Effect of gas type on high repetition rate performance of a triggered, corona stabilised switch J. M. Koutsoubis and S. J. MacGregor, IEEE Transactions on Dielectrics and Electrical Insulation, vol. 10, no. 2, pp. 245-255, April (2003), doi: 10.1109/TDEI.2003.1194106. https://ieeexplore.ieee.org/document/1194106

Study on a planar multi-gap multi-channel gas switch for linear transformer drivers Xiao, L., Deng, X., Ma, J. et al., J Fusion Energ, 34, 629–635, (2015), doi: 10.1007/s10894-015-9855-1. https://link.springer.com/article/10.1007/s10894-015-9855-1

The Effects of Electrode Size and Configuration on Plasma Actuator Thrust and Effectiveness at Low Pressure P. D. Friz and J. L. Rovey, International Journal of Flow Control, vol. 6, no. 1-2, pp. 75-85, Sep (2014), DOI: 10.1260/1756-8250.6.2.75. https://scholarsmine.mst.edu/cgi/viewcontent.cgi?article=5277&context=mec_aereng_facwork

Floating electrode dielectric barrier discharge plasma in air promoting apoptotic behavior in melanoma skin cancer cell lines Fridman, G., Shereshevsky, A., Jost, M.M. et al., Plasma Chem Plasma Process 27**,** 163–176, (2007), DOI: 10.1007/s11090-007-9048-4. https://link.springer.com/article/10.1007/s11090-007-9048-4#citeas

Surface discharges along polymeric insulating materials M. P. Wilson et al., 2008 *17th* International Conference on Gas Discharges and Their Applications, Cardiff, pp. 229-232, (2008). https://ieeexplore.ieee.org/document/5379262

Compact pulsed-power driver for double pulse effect studies in nanosecond laser ablation S. K. Sharma, P. Deb, R. Kumar, A. Sharma, and A. Shyam, IEEE Transactions on Plasma Science, vol. 41, no. 10, pp. 2609-2613, Oct. (2013), doi: 10.1109/TPS.2013.2254725. https://ieeexplore.ieee.org/document/6504535

Mechanisms of depolarization of $Pb(Zr_{0.52}Ti_{0.48})O_3$ AND $Pb(Zr_{0.95}Ti_{0.05})O_3$ ferroelectrics under transverse shock compression Shkuratov, Sergey; Baird, Jason; Antipov, Vladimir; Talantsev, Evgeny; Ryul, Hwan; Valadez, Juan; Lynch, Christopher; Stults, Allen; Altgilbers, Larry, 1-6, (2015), 10.1109/PPC.2015.7296899, https://www.researchgate.net/publication/308818518_Mechanisms_of_depolarization_of_PbZr052Ti048O3_AND_PbZr095Ti005O3_ferroelectrics_under_transverse_shock_compression

Technical Papers Referencing North Star High Voltage Probes/Dividers

Impulse-driven surface flashover of polymeric dielectric materials immersed in insulating oil
M. P. Wilson, M. J. Given, I. V. Timoshkin, S. J. MacGregor, M. A. Sinclair, and K. J. Thomas, 44th International Universities Power Engineering Conference (UPEC), Glasgow, pp. 1-5, (2009).
https://ieeexplore.ieee.org/document/5429554

Digital control of a rapid capacitor charger with sensor-less voltage feedback
M. G. Giesselmann and A. Bilbao, 2014 IEEE International Power Modulator and High Voltage Conference (IPMHVC), Santa Fe, NM, pp. 640-643, (2014), doi: 10.1109/IPMHVC.2014.7287357.
https://ieeexplore.ieee.org/document/7287357

Interaction of sub-microsecond pulsed electric field with bacterial cells
P. R. Chalise, S. Perni, G. Shama, B. M. Novac, I. R. Smith, and M. G. Kong, Conference Record of the Twenty-Seventh International Power Modulator Symposium, Arlington, VA, pp. 562-565, (2006), doi: 10.1109/MODSYM.2006.365313.
https://ieeexplore.ieee.org/document/4216265

Comparison of laboratory and industrial scale atmospheric pressure plasma processing systems using real-time non-invasive performance analysis tools
Tylan, J; Law, V; Twomey, Barry; Hynes, Alan; Daniels, Stephen; Byrne, G; Dowling, Denis; (2009).
https://www.researchgate.net/publication/275272468_Comparison_of_laboratory_and_industrial_scale_atmospheric_pressure_plasma_processing_systems_using_real-time_non-invasive_performance_analysis_tools

Improving Plasma Actuator Thrust at Low Pressure Through Geometric Variation
Paul D. Friz and Joshua Rovey, 52nd Aerospace Sciences Meeting, 13-17 January (2014). National Harbor, Maryland, doi: /10.2514/6.2014-0146.
https://arc.aiaa.org/doi/10.2514/6.2014-0146

Nanosecond-pulsed dielectric barrier discharges in Kr/Cl_2 for production of ultraviolet radiation Gregório, José; Aubert, Xavier; Hagelaar, G.; Puech, V.; Pitchford, L; Plasma Sources Science and Technology, 23, 1, (2014), DOI: 1088/0963-0252/23/1/015005.
https://www.researchgate.net/publication/261018318_Nanosecond-pulsed_dielectric_barrier_discharges_in_KrCl2_for_production_of_ultraviolet_radiation

Dielectric performance of HFO-gas mixtures
Y. Yao et al., IEEE 21st International Conference on Pulsed Power (PPC), Brighton, pp. 1-6, (2017), doi: 10.1109/PPC.2017.8291272.
https://ieeexplore.ieee.org/document/8291272

Ignition improvement of premixed methane-air mixtures by distributed spark discharge
Yu, S., Xie, K., Tan, Q., Wang, M. et al., SAE Technical Paper, 2015-01-1889, (2015), doi: 10.4271/2015-01-1889.
https://www.sae.org/publications/technical-papers/content/2015-01-1889/

Technical Papers Referencing North Star High Voltage Probes/Dividers

Separation control using vectoring plasma actuators
Shawn Fleming, Michael Bolitho, and Jamey Jacob, Session: WIG-3: Joint PDL/WIG/FD/TP Plasma Actuator Session II, Orlando Florida, 25 Jun (2012), doi: 10.2514/6.2010-468. https://arc.aiaa.org/doi/abs/10.2514/6.2010-468

Characterization of a compact, low-cost atmospheric-pressure plasma jet driven by a piezoelectric transformer M. J. Johnson, D. R. Boris, T. B. Petrova, and S. G. Walton, IEEE Transactions on Plasma Science, vol. 47, no. 1, pp. 434-444, Jan. (2019), doi: 10.1109/TPS.2018.2870345. https://ieeexplore.ieee.org/document/8478224

Shock waves generated by an electrical discharge on composite electrode immersed in water with different conductivities V. Stelmashuk and P. Hoffer, IEEE Transactions on Plasma Science, vol. 40, no. 7, pp. 1907-1912, July (2012), doi: 10.1109/TPS.2012.2197638. https://ieeexplore.ieee.org/document/6205646

Electrical and hydrodynamic characterization of a high current pulsed arc
R Sousa Martins et al., J. Phys. D: Appl. Phys. 49, (2016).
https://iopscience.iop.org/article/10.1088/0022-3727/49/18/185204

Distributed electrical discharge to improve the ignition of premixed quiescent and turbulent mixtures Yu, S., Wang, M., and Zhen, M., SAE Technical Paper 2016-01-0706, (2016), doi.org/10.4271/2016-01-0706.
https://www.sae.org/publications/technical-papers/content/2016-01-0706/

Nonthermal Plasma-Enhanced Catalytic Removal of Nitrogen Oxides over V_2O_5/TiO_2 and Cr_2O_3/TiO_2 Young Sun Mok; Dong Jun Koh; Kyong Tae Kim; and In-Sik Nam, Industrial & Engineering Chemistry Research, 42 (13), 2960-2967, (2003), DOI: 10.1021/ie0208873. https://pubs.acs.org/doi/10.1021/ie0208873#

Comparison of direct and indirect effects of non-thermal atmospheric-pressure plasma on bacteria G. Fridman, A. Fridman, A. Gutsol, V. Vasilets, and G. Friedman, IEEE 34th International Conference on Plasma Science (ICOPS), Albuquerque, NM, pp. 322-322, (2007), doi: 10.1109/PPPS.2007.4345628.
https://ieeexplore.ieee.org/document/4345628

The effect of an electromagnetic peening process on mumetal properties
A. Chazottes-Leconte et al., IEEE International Conference on Industrial Technology (ICIT), Lyon, pp. 859-863, (2018), doi: 10.1109/ICIT.2018.8352290.
https://ieeexplore.ieee.org/document/8352290

Technical Papers Referencing North Star High Voltage Probes/Dividers

Plasma Deposition of Biomolecules for Enhanced Biomedical Applications
O'Neill, Liam; Twomey, Barry; Dobbyn Peter; O'Donoghue, John, MRS Proceedings, 1723, (2015), DOI: 10.1557/opl.2015.22.
https://www.researchgate.net/publication/273495242_Plasma_Deposition_of_Biomolecules_for_Enhanced_Biomedical_Applications

Optimization of atmospheric air plasma for degradation of organic dyes in wastewater
Chaitanya Sarangapani; Y. Dixit; Vladimir Milosavljevic; Paula Bourke; Carl Sullivan; P.J. Cullen, Water Sci Technol, 75 (1), 207–219, (2017), https://doi.org/10.2166/wst.2016.471. https://pubmed.ncbi.nlm.nih.gov/28067661/

A 80 kV gas switch triggered by a 17 J fiber-optic laser
Zhiguo Wang et al., Review of Scientific Instruments, 91, 056104 (2020), doi.org/10.1063/1.5141924.
https://aip.scitation.org/doi/10.1063/1.5141924

High power ultrasound impulses induced by wire-guided spark discharges in water
I. V. Timoshkin, S. J. MacGregor, M. J. Given, and R. A. Fouracre, IEEE 34th International Conference on Plasma Science (ICOPS), Albuquerque, NM, pp. 145-145, (2007), doi: 10.1109/PPPS.2007.4345451.
https://ieeexplore.ieee.org/document/4345451

Note: Miniature 120-KV Autonomous Generator Based on Transverse Shock-Wave Depolarization of Pb (Zr0. 52Ti0. 48) O_3 Ferroelectrics
Shkuratov, Sergey; Baird, Jason; Talantsev, Evgeny, The Review of Scientific Instruments, 82, (2011), 086107, DOI: 10.1063/1.3625276.
https://www.researchgate.net/publication/51622724_Note_Miniature_120-kV_autonomous_generator_based_on_transverse_shock-wave_depolarization_of_PbZr052Ti048O-3_ferroelectrics

Temperature-programmed plasma surface reaction: an approach to determine plasma-catalytic performance Parastaev, Alexander; Hoeben, Wilfred; Heesch, Bert; Kosinov, Nikolay; Hensen, Emiel, Applied Catalysis B: Environmental, 239, (2018), DOI: 10.1016/j.apcatb.2018.08.011.
https://www.researchgate.net/publication/326832494_Temperature-programmed_plasma_surface_reaction_An_approach_to_determine_plasma-catalytic_performance

100 kV high frequency transformer/rectifier package with bipolar voltage output
M. Giesselmann, T. Vollmer, and W. Carey, 2013 Abstracts IEEE International Conference on Plasma Science (ICOPS), San Francisco, CA, pp. 1-1, (2013), doi:10.1109/PLASMA.2013.6633266.
https://ieeexplore.ieee.org/document/6633266

Technical Papers Referencing North Star High Voltage Probes/Dividers

Evaluation of real-time non-invasive diagnostic tools for the monitoring of a pilot scale atmospheric pressure plasma system Tynan, J; Law, V; Twomey, Barry; Hynes, Alan; Daniels, Stephen; Byrne, G; Dowling, Denis, Measurement Science and Technology, 20, (2009), 115703, DOI: 10.1088/0957-0233/20/11/115703.
https://www.researchgate.net/publication/231070311_Evaluation_of_real-time_non-invasive_diagnostic_tools_for_the_monitoring_of_a_pilot_scale_atmospheric_pressure_plasma_system

Degradation of aqueous Rhodamine B by plasma generated along the water surface and its enhancement using nanocrystalline Fe-, Mn-, and Ce-doped TiO_2 films
Chen, Yongduo; Li, Yang; Zhu Anna; Huang, Yifan; Liu, Zhen; Yan, Keping, Environmental Science and Pollution Research International, 21, (2014), DOI: 10.1007/s11356-014-2982-9.
https://www.researchgate.net/publication/262538872_Degradation_of_aqueous_Rhodamine_B_by_plasma_generated_along_the_water_surface_and_its_enhancement_using_nanocrystalline_Fe-_Mn-_and_Ce-doped_TiO2_films

Catalyst-packed non-thermal plasma reactor for removal of nitrogen oxides
Ravi, V; Mok, Young Sun; BS, Rajanikanth; Kang, Ho-Chul, Plasma Science and Technology, 5, 1603, (2006), DOI: 10.1088/1009-0630/5/1/002.
https://www.researchgate.net/publication/231135615_Catalyst-Packed_Non-Thermal_Plasma_Reactor_for_Removal_of_Nitrogen_Oxides

Penetration of gas discharge through the gas–liquid interface into the bulk volume of conductive aqueous solution P. Hoffer, K. Kolacek, V. Stelmashuk, and P. Lukes, IEEE Transactions on Plasma Science, vol. 43, no. 11, pp. 3868-3875, Nov. (2015), doi: 10.1109/TPS.2015.2477562. https://ieeexplore.ieee.org/document/7279179

Temperature dependence of Kerr constant for water at 658 nm and for pulsed intense electric fields B. M. Novac et al., IEEE Transactions on Plasma Science, vol. 44, no. 6, pp. 963-967, June (2016), doi: 10.1109/TPS.2016.2558470. https://ieeexplore.ieee.org/document/7468578

Miniature 100-kV explosive-driven prime power sources based on transverse shock-wave depolarization of PZT 95/5 ferroelectric ceramics S. I. Shkuratov et al., IEEE Transactions on Plasma Science, vol. 40, no. 10, pp. 2512-2516, Oct. (2012), doi: 10.1109/TPS.2012.2202249.
https://ieeexplore.ieee.org/document/6230659

Electrode erosion and lifetime performance of a triggered corona-stabilized switch in SF_6 at a repetition rate of 1 kHZ J. M. Koutsoubis, K. Thoma, and S. J. Macgregor, IEEE Transactions on Dielectrics and Electrical Insulation, vol. 23, no. 4, pp. 1985-1995, August (2016), doi: 10.1109/TDEI.2016.7556470. https://ieeexplore.ieee.org/document/7556470

Technical Papers Referencing North Star High Voltage Probes/Dividers

Treatment of dyeing wastewater by using positive pulsed corona discharge to water surface
Mok, Young Sun; Ahn, Hyun; and Kim, Joeng, Plasma Science and Technology, 9, 71, (2007), DOI: 10.1088/1009-0630/9/1/15.
https://www.researchgate.net/publication/231045064_Treatment_of_Dyeing_Wastewater_by_Using_Positive_Pulsed_Corona_Discharge_to_Water_Surface

The effect of high-power capacitive spark discharge on the ignition and flame propagation in a lean and diluted cylinder charge
Yu, Shui; Xie, Kelvin; Yu, Xiao; Han, Xiaoye; Li, Liguang; Liu, Mengzhu; Tjong, Jimi; Zheng, Ming, Conference: SAE World Congress and Exhibition, (2016), 10.4271/2016-01-0707.
https://www.researchgate.net/publication/299639864_The_Effect_of_High-Power_Capacitive_Spark_Discharge_on_the_Ignition_and_Flame_Propagation_in_a_Lean_and_Diluted_Cylinder_Charge

Development of a substrate-invariant 2-D array of nanosecond-pulsed streamer discharges
Burnette, Matthew and Staack, David, Plasma Research Express, Volume 2, Issue 1, id.015001, March (2020), DOI: 10.1088/2516-1067/ab640f
https://iopscience.iop.org/article/10.1088/2516-1067/ab640f

Microsecond Electrical Discharge in Water in Plate-to-Plate Configuration With Nitrogen Bubble Injection V. Stelmashuk, IEEE Transactions on Plasma Science, vol. 44, no. 4, pp. 702-707, April (2016), doi: 10.1109/TPS.2016.2529852.
https://ieeexplore.ieee.org/document/7422129

Studies on nitrogen oxides removal using plasma assisted catalytic reactor
Ravi, V; Young Sun, Mok; BS, Rajanikanth; Ho-Chul, Kang, Plasma Science and Technology, 5 (6), pp. 2057-2062, (2003).
http://eprints.iisc.ac.in/10675/

HEAT TRANSFER ANALYSIS OF CAPILLARY DBD SOURCE
Sklias, Kyriakos; Athanasopoulos, Dimitrios; Papadopoulos, P.; Svarnas, P; Gazeli, Kristaq; Vafeas, P., 22nd International Conference on Gas Discharges and Their Applications, Novi Sad, Serbia, (2018).
https://www.researchgate.net/publication/328223813_HEAT_TRANSFER_ANALYSIS_OF_CAPILLARY-DBD_SOURCE

A HIGH-VOLTAGE MONITORING SYSTEM EMPLOYED FOR EVALUATING THE METAL CONTENT OF GRANULAR MIXTURES PROCESSED IN ELECTROSTATIC SEPARATOR
Mihalcioiu, Adrian; Neamtu, Vasile; Stochita, Anca; Dascalescu, L., IEEE Transactions on Industry Applications, 43(1):224-231, February (2007), DOI: 10.1109/TIA.2006.887315.
https://www.researchgate.net/publication/3172251_High-Voltage_Monitoring_in_Electrostatic_Separators

Technical Papers Referencing North Star High Voltage Probes/Dividers

Role of oxygen in the plasma catalytic removal of NOx
MOK YOUNG SUN et. al, Jeju 690-756, VIVECHANIJR, Vol.1, (2010).
https://www.researchgate.net/profile/Young_Sun_Mok/publication/228886530_Role_of_Oxygen_in_the_Plasma_Catalytic_Removal_of_NOx/links/554c980a0cf29752ee7f121a/Role-of-Oxygen-in-the-Plasma-Catalytic-Removal-of-NOx.pdf

Comparison of pilot and industrial scale atmospheric pressure glow discharge systems including a novel electro-acoustic technique for process monitoring
Tynan, J; Law, V; Ward, P; Hynes, Alan; Cullen, J; Byrne, G; Daniels, Stephen; Dowling, Denis, Plasma Sources Science and Technology, 19, 015015, (2009), DOI: 10.1088/0963-0252/19/1/015015.
https://www.researchgate.net/publication/230939597_Comparison_of_pilot_and_industrial_scale_atmospheric_pressure_glow_discharge_systems_including_a_novel_electro-acoustic_technique_for_process_monitoring

Time-resolved processes in a pulsed electrical discharge in water generated with shock wave assistance in a plate-to-plate configuration Stelmashuk, Vitaliy, Journal of Physics D Applied Physics, 47, (2014), DOI: 10.1088/0022-3727/47/49/495204.
https://www.researchgate.net/publication/270579450_Time-resolved_processes_in_a_pulsed_electrical_discharge_in_water_generated_with_shock_wave_assistance_in_a_plate-to-plate_configuration

Miniature dielectric barrier discharge nonthermal plasma induces apoptosis in lung cancer cells and inhibits cell migration Karki, Surya; Yildirim-Ayan, Eda; Eisenmann, Kathryn; Ayan, Halim, BioMed Research International, 1-12., (2017), DOI: 10.1155/2017/8058307.
https://www.hindawi.com/journals/bmri/2017/8058307/

Investigation of streamer propagation along insulating surfaces
Pritchard, L.S. & Allen, N.L., IEEE Transactions on Dielectrics and Electrical Insulation, 9(3): 371-380, July (2002), DOI: 10.1109/TDEI.2002.1007699.
https://www.researchgate.net/publication/3340161_Streamer_propagation_along_profiled_insulator_surfaces

Experimental investigations of high voltage pulsed pseudospark discharge and intense electron beams
Hu, Jing and Rovey, Joshua, 50th AIAA Aerospace Sciences Meeting Including the New Horizons Forum and Aerospace Exposition, (2012), DOI: 10.2514/6.2012-789.
https://www.researchgate.net/publication/271375359_Experimental_Investigations_of_High_Voltage_Pulsed_Pseudospark_Discharge_and_Intense_Electron_Beams

Technical Papers Referencing North Star High Voltage Probes/Dividers

Plasmaa tuottavan järjestelmän sähköisen toiminnan optimointi
Antila, Olli-Pekka, (2014).
https://www.theseus.fi/bitstream/handle/10024/72616/Antila_Olli-Pekka.pdf?sequence=1

A 10 kHz Sub-microsecond High-voltage Pulse Generator Using SI Thyristor for Micro-plasma Jets Generation Li, Jia; Sakai, Natsuko; Watanabe, Masato; Hotta, Eiki, Ieej Transactions on Fundamentals and Materials, 130, 573-578, (2010), DOI: 10.1541/ieejfms.130.573.
https://www.researchgate.net/publication/250006396_A_10_kHz_Submicrosecond_High-voltage_Pulse_Generator_using_SI_Thyristor_for_Microplasma_Jets_Generation

Nano-Second Dielectric Barrier Discharge for Direct Medical Applications
Gutsol, Alexander; Ayan, Halim; Fridman, Greg; Fridman, Alexander; Friedman, Gary, NATO Science for Peace and Security Series A: Chemistry and Biology, January (2008), 10.1007/>978-1-4020-8439-3_19. https://www.researchgate.net/publication/268334437_Nano-Second_Dielectric_Barrier_Discharge_for_Direct_Medical_Applications

Burning velocity measurement of lean methane-air flames in a new nanosecond DBD microplasma burner platform Elkholy, Ahmed; Shoshyn, Y.; Nijdam, Sander; van Oijen, Jeroen; Veldhuizen, E.; Ebert, Ute; Goey, Philip, Experimental Thermal and Fluid Science, 95, January (2018), 10.1016/j.expthermflusci.2018.01.011.
https://www.researchgate.net/publication/322408359_Burning_Velocity_Measurement_of_Lean_Methane-Air_Flames_in_a_New_Nanosecond_DBD_Microplasma_Burner_Platform

Experimental study of a long-living plasmoid using high-speed filming
V. Stelmashuk and P. Hoffer, IEEE Transactions on Plasma Science, vol. 45, no. 12, pp. 3160-3165, Dec. (2017), doi: 10.1109/TPS.2017.2770224.
https://ieeexplore.ieee.org/abstract/document/8119298

Corrigendum: Comparison of three dielectric barrier discharges regarding their physical characteristics and influence on the adhesion properties of maple, high density fiberboard and wood plastic composite Peters, Frauke et al., Journal of Physics D: Applied Physics. 51, (2018), 10.1088/1361-6463/aab378.
https://www.researchgate.net/publication/323524946_Corrigendum_Comparison_of_three_dielectric_barrier_discharges_regarding_their_physical_characteristics_and_influence_on_the_adhesion_properties_of_maple_high_density_fiberboard_and_wood_plastic_compos

Design and Performance of a Compact Marx Generator for Two-Electrode Gas Switch Used in ICF Power Conditioning System Chen, Li et al., Journal of Fusion Energy, 35, September (2015), DOI: 10.1007/s10894-015-9986-4.
https://www.researchgate.net/publication/283903791_Design_and_Performance_of_a_Compact_Marx_Generator_for_Two-Electrode_Gas_Switch_Used_in_ICF_Power_Conditioning_System

Technical Papers Referencing North Star High Voltage Probes/Dividers

Spectroscopic characterization of a low-temperature plasma ambient ionization probe operated with helium/nitrogen plasma gas mixtures
Kuklya, Andriy et al., Journal of Analytical Atomic Spectrometry, 31, 1574-1581, (2016), 10.1039/C6JA00148C.
https://www.researchgate.net/publication/304013853_Spectroscopic_characterization_of_a_low-temperature_plasma_ambient_ionization_probe_operated_with_heliumnitrogen_plasma_gas_mixtures

Fast transient radiated and conducted electromagnetic interference measurement within power system substations C. S. Barrack et al., Eleventh International Symposium on High Voltage Engineering, London, UK, pp. 343-346, vol.1, (1999), doi: 10.1049/cp:19990577.
https://ieeexplore.ieee.org/document/820657

Combined desulphurization and denitrification using dielectric barrier discharge and wet reduction technique Mok, Young Sun., Journal of Chemical Engineering of Japan - J CHEM ENG JPN, 39, 366-372, (2006), 10.1252/jcej.39.366.
https://www.researchgate.net/publication/239269535_Combined_Desulphurization_and_Denitrification_Using_Dielectric_Barrier_Discharge_and_Wet_Reduction_Technique

Experimental Study of Spark Channel Expansion in Water
V. Stelmashuk, P. Hoffer, K. Kolacek, and J. Straus, IEEE Transactions on Plasma Science, vol. 48, no. 2, pp. 491-499, Feb. (2020), doi: 10.1109/TPS.2019.2963536.
https://ieeexplore.ieee.org/document/8961206

Enhanced shock wave generation via pre-breakdown acceleration using water electrolysis in negative streamer pulsed spark discharges
Lee, Kern; Chung, Kyoung-Jae; Hwang, Yong-seok, Applied Physics Letters, 112 (13), (2018), DOI: 10.1063/1.5021365.
https://www.researchgate.net/publication/324049550_Enhanced_shock_wave_generation_via_pre-breakdown_acceleration_using_water_electrolysis_in_negative_streamer_pulsed_spark_discharges

Inactivation of *Escherichia coli* O157:H7 and Aerobic Microorganisms in Romaine Lettuce Packaged in a Commercial Polyethylene Terephthalate Container Using Atmospheric Cold Plasma

Min, Sea Cheol et al., Journal of Food Protection, 80 (1), 35-43, (2017), DOI: 10.4315/0362-028X.JFP-16-148.
https://www.researchgate.net/publication/312014524_Inactivation_of_Escherichia_coli_O157H7_and_Aerobic_Microorganisms_in_Romaine_Lettuce_Packaged_in_a_Commercial_Polyethylene_Terephthalate_Container_Using_Atmospheric_Cold_Plasma

Technical Papers Referencing North Star High Voltage Probes/Dividers

Application of TiO2 photocatalysts to NO and SO2 removal in the dielectric barrier discharge process Nasonova, Anna et al., Journal of The Korean Physical Society, 54 (3), (2009), DOI: 10.3938/jkps.54.1042.
https://www.researchgate.net/publication/243586553_Application_of_TiO2_Photocatalysts_to_NO_and_SO2_Removal_in_the_Dielectric_Barrier_Discharge_Process

Direct and indirect applications of dielectric barrier discharge plasma to catalytic reduction of nitrogen oxides from exhaust gas Mok, Young Sun., Plasma Science and Technology, 8 (2), (2006), DOI: 10.1088/1009-0630/8/2/18.
https://www.researchgate.net/publication/231024750_Direct_and_Indirect_Applications_of_Dielectric_Barrier_Discharge_Plasma_to_Catalytic_Reduction_of_Nitrogen_Oxides_from_Exhaust_Gas

Cold plasma bullet influence on the water contact angle of human skin surface Athanasopoulos, Dimitrios; Svarnas, P.; Gerakis, Alexandros, Journal of Electrostatics, 102, (2019), DOI: 10.1016/j.elstat.2019.103378.
https://www.researchgate.net/publication/336965629_Cold_plasma_bullet_influence_on_the_water_contact_angle_of_human_skin_surface

Biogas combustion with various oxidizers in a nanosecond DBD microplasma burner Paulauskas, Rolandas et al., Experimental Thermal and Fluid Science, 118, May (2020), 10.1016/j.expthermflusci.2020.110166.
https://www.researchgate.net/publication/341128716_Biogas_combustion_with_various_oxidizers_in_a_nanosecond_DBD_microplasma_burner

100-kV high voltage power supply with bipolar voltage output and adaptive digital control M. G. Giesselmann, T. T.; Vollmer; W. J. Carey, IEEE Transactions on Plasma Science, vol. 42, no. 10, pp. 2913-2918, Oct. (2014), doi: 10.1109/TPS.2014.2326838.
https://ieeexplore.ieee.org/document/6828765

A Compact high-power pulsed corona source for treatment of pollutants in heterogeneous media A. Pokryvailo; M. Wolf; Y. Yankelevich; E. Abramzon; and A. Welleman, IEEE Pulsed Power Conference, Monterey, CA, pp. 1188-1191, (2005), doi: 10.1109/PPC.2005.300550.
https://ieeexplore.ieee.org/document/4084436

Ultrastructural changes in hepatocellular carcinoma cells induced by exponential pulses of nanosecond duration delivered via a transmission line Yin, Shengyong et al., Bioelectrochemistry, 135, (2020), DOI: 10.1016/j.bioelechem, May (2020).107548.
https://www.researchgate.net/publication/341141766_Ultrastructural_Changes_in_Hepatocellular_Carcinoma_Cells_Induced_by_Exponential_Pulses_of_Nanosecond_Duration_Delivered_via_a_Transmission_Line

Technical Papers Referencing North Star High Voltage Probes/Dividers

Analysis of the efficiency of single-spark and multi-spark ignition systems for gas engines
Abramchuk, F.I.; Kabonov, A.N.; Shvydkiy, D.V., Automobile Transport, (2014).
https://cyberleninka.ru/article/n/analiz-effektivnosti-odnoiskrovoy-i-mnogoiskrovoy-sistem-zazhiganiya-gazovyh-dvigateley

Behaviour of Trichloroethylene Decomposition in a Plasma-Catalytic Combined Process
Young Sun Mok, Plasma Science and Technology, Volume 8, Number 6, (2006).
https://iopscience.iop.org/article/10.1088/1009-0630/8/6/08

Development of a High-Efficiency Decomposition Technology for Volatile Chemical Warfare Agent Sarin Using Dielectric Barrier Discharge Iwai, T., et al., Plasma Chem Plasma Process, 40**,** 907-920, (2020), doi.org/10.1007/s11090-020-10057-3.
https://link.springer.com/article/10.1007/s11090-020-10057-3#citeas

Studies on a non-thermal pulsed corona plasma between two parallel-plate electrodes in water M M Sein, et al., Journal of Physics D: Applied Physics, Volume 45, Number 22, (2012).
https://iopscience.iop.org/article/10.1088/0022-3727/45/22/225203/meta

Oxidation of NO to NO2 using the ozonization method for the improvement of selective catalytic reduction Mok, Young Sun, Journal of Chemical Engineering of Japan, 37, 1337-1344, (2004), DOI: 10.1252/jcej.37.1337.
https://www.researchgate.net/publication/244737394_Oxidation_of_NO_to_NO2_Using_the_Ozonization_Method_for_the_Improvement_of_Selective_Catalytic_Reduction

Test bed for time jitter studies of laser-triggered gas-discharge switches A. Larsson; D. Yap; and Y. W. Lim, IEEE Pulsed Power Conference, Chicago, IL, pp.760-765, (2011), doi: 10.1109/PPC.2011.6191507. https://ieeexplore.ieee.org/document/6191507

Laser triggering of spark gap switches
A. Larsson; D. Yap; J. Au; and T. E. Carlsson, IEEE Transactions on Plasma Science, vol. 42, no. 10, pp. 2943-2947, Oct. (2014), doi: 10.1109/TPS.2013.2297161.
https://ieeexplore.ieee.org/document/6828794?denied

Removal of CaCO3 scales on a filter membrane using plasma discharge in water
Yang, Yong; Gutsol, Alexander; Fridman, Alexander; Cho, Young, International Journal of Heat and Mass Transfer, 52, 4901-4906, (2009), 10.1016/j.ijheatmasstransfer.2009.05.025.
https://www.researchgate.net/publication/239350882_Removal_of_CaCO_3_scales_on_a_filter_membrane_using_plasma_discharge_in_water

Purification of dyeing wastewater by using electrical discharge plasma
Mok, Young Sun, Environmental Engineering and Management Journal, 5 (4), 675-684, (2006).
https://www.researchgate.net/publication/322775140_Purification_of_dyeing_wastewater_by_using_electrical_discharge_plasma

Technical Papers Referencing North Star High Voltage Probes/Dividers

Non-invasive pulsed electric field food processing is a reality
B. M. Novac et al., 19th IEEE Pulsed Power Conference (PPC), San Francisco, CA, (2013), pp. 1-6, doi: 10.1109/PPC.2013.6627659.
https://ieeexplore.ieee.org/document/6627659

Study on the performance of high-voltage trigger generators in pulsed power conditioning system Y. Liu et al., IEEE Transactions on Plasma Science, vol. 42, no. 11, pp. 3614-3622, Nov. (2014), doi: 10.1109/TPS.2014.2359683.
https://ieeexplore.ieee.org/document/6918473

Control of scale formation using high voltage impulse
Yang, Seon-Hee & Chang, In-Soung, Journal of the Korea Academia-Industrial cooperation Society, 16, 2301-2307, (2015), 10.5762/KAIS.2015.16.3.2301.
https://www.researchgate.net/publication/281421911_Control_of_scale_formation_using_high_voltage_impulse
https://www.koreascience.or.kr/article/CFKO201531751955530.pdf

Study of the fuel efficiency of a passenger car when powered by gasoline and liquefied petroleum gas
Manko, I. V., Science-education, production, economy: materials of the 12th International Scientific and Technical Conference. T. 2. - Minsk: BNTU, S. 59-60, (2014).
https://rep.bntu.by/handle/data/11849

Determination of the Kerr constant of water at 658 nm for pulsed intense electric fields
B. M. Novac et al., IEEE Transactions on Plasma Science, vol. 40, no. 10, pp. 2480-2490, Oct. (2012), doi: 10.1109/TPS.2012.2188909.
https://ieeexplore.ieee.org/document/6178015

Energizing a Long Nanosecond Pulsed Corona Reactor: Electrical Characterization
F. J. C. M. Beckers, et al., IEEE Transactions on Plasma Science, vol. 48, no. 2, pp. 500-511, Feb. (2020), doi: 10.1109/TPS.2020.2966039.
https://ieeexplore.ieee.org/abstract/document/8976251

A Study on Calcium Ion Reduction in Power Plant Water using High Voltage Impulse
Kim, TaeHui; Chang, In-Soung; Jung, Jae-Hwan; Hong, Woong; Lee, June-Ho, The Transactions of The Korean Institute of Electrical Engineers, 66, 545-550, (2017), DOI: 10.5370/KIEE.2017.66.3.545.
https://www.researchgate.net/publication/316884633_A_Study_on_Calcium_Ion_Reduction_in_Power_Plant_Water_using_High_Voltage_Impulse

Technical Papers Referencing North Star High Voltage Probes/Dividers

Volumetric plasma source development and characterization
Crain, Marlon D; Maron, Yitzhak; Oliver, Bryan Velten; Starbird, Robert L; Johnston, Mark D; Hahn, Kelly Denise; Mehlhorn, Thomas Alan; Droemer, Darryl W,, Sandia National Laboratories, Albuquerque, New Mexico, (2008).
https://www.academia.edu/30405601/Volumetric_plasma_source_development_and_characterization

Characterisation and Evaluation of Shockwave Generation in Water Conditions for Coal Fracturing Ren, Fei; Ge, Lei; Stelmashuk, Vitaliy; Rufford, Thomas; Xing, Huilin; Rudolph, V., Journal of Natural Gas Science and Engineering, 66, (2019), DOI: 10.1016/j.jngse.2019.04.005.
https://www.researchgate.net/publication/332326446_Characterisation_and_Evaluation_of_Shockwave_Generation_in_Water_Conditions_for_Coal_Fracturing

Reduction of nitrogen oxides by ozonization-catalysis hybrid process
Mok, Young Sun & Nam, In-Sik, Korean Journal of Chemical Engineering, 21, 976-982, (2004), DOI: 10.1007/BF02705580.
https://www.researchgate.net/publication/225452687_Reduction_of_nitrogen_oxides_by_ozonization-catalysis_hybrid_process

Low-temperature plasma ionization differential ion mobility spectrometry
Jafari, Mohammad, Analytical chemistry, 83, 797-803, (2010), DOI: 10.1021/ac1022937.
https://www.researchgate.net/publication/49715864_Low-Temperature_Plasma_Ionization_Ion_Mobility_Spectrometry

Implementation of Pulsed Power Diagnostics on Explosive Flux Compression Generators at LLNL Goerz, David; Anderson, R.; White, A.; Javedani, J.; Reisman, David; Ferriera, T.; Baluyot, E.; Speer, R.; Milhous, D., 13th International Conference on Megagauss Magnetic Generation and Related Topics, Suzhou China, (2010).
https://www.researchgate.net/publication/283615208_Implementation_of_Pulsed_Power_Diagnostics_on_Explosive_Flux_Compression_Generators_at_LLNL

Large-area approach to evaluate DC electro-thermal ageing behavior of BOPP thin films for capacitor insulation systems M. Ritamäki; I Rytöluoto; K. Lahti; T. Vestberg; S. Pasanen; and T. Flyktman, IEEE Transactions on Dielectrics and Electrical Insulation, vol. 24, no. 2, pp. 826-836, April (2017), doi: 10.1109/TDEI.2017.006405.
https://ieeexplore.ieee.org/document/7909190

High-power pulsed corona for treatment of pollutants in heterogeneous media
A. Pokryvailo et al., IEEE Transactions on Plasma Science, vol. 34, no. 5, pp. 1731-1743, Oct. (2006), doi: 10.1109/TPS.2006.881281. https://ieeexplore.ieee.org/document/1710034

Technical Papers Referencing North Star High Voltage Probes/Dividers

Production and characterization of jet gases by high-frequency electrical discharge of atmospheric pressure
Gelios, Alkis, (2015).
https://nemertes.lis.upatras.gr/jspui/handle/10889/8408

Inactivation of Staphylococcus aureus in water by pulsed spark discharge
Zheng, Jiansheng, Scientific Reports, 7, (2017), DOI: 10.1038/s41598-017-10784-2.
https://www.researchgate.net/publication/319470274_Inactivation_of_Staphylococcus_aureus_in_water_by_pulsed_spark_discharge

Modeling of Delay Time in Planar Multi-Gap Multi-Channel Gas Switches
Xiao, Lei; Ma, Jiangbo; Deng, Xin; Yang, Lanjun, Journal of Fusion Energy, 34, (2015), DOI: 10.1007/s10894-015-9880-0.
https://www.researchgate.net/publication/276345455_Modeling_of_Delay_Time_in_Planar_Multi-Gap_Multi-Channel_Gas_Switches

Breakdown Characteristics of Plasma Closing Switch Filled With Air, N_2, CO_2, and Ar/O_2
Y. Yao, I. V. Timoshkin, S. J. MacGregor, M. P. Wilson, M. J. Given, and T. Wang, IEEE Transactions on Plasma Science, vol. 46, no. 10, pp. 3574-3583, Oct. (2018), doi: 10.1109/TPS.2018.2856306.
https://ieeexplore.ieee.org/document/8419218

Aerodynamic flow control using jet vectoring plasma actuators
Ceren Ozturk and Jamey Jacob, Actuated Flow Control I, 47th AIAA Aerospace Sciences Meeting, Orlando, FL, (2009),
doi.org/10.2514/6.2009-486.
https://arc.aiaa.org/doi/abs/10.2514/6.2009-486

Localized synthesis of metal nanoparticles using nanoscale corona discharge in aqueous solutions Bhattacharyya, Sayan; Staack, David; Vitol, Elina; Singhal, Riju; Fridman, Alexander; Friedman, Gary; Gogotsi, Yury, Advanced Materials, 21, 4039-4044, (2009), DOI: 10.1002/adma.200900673.
https://www.researchgate.net/publication/229897708_Localized_Synthesis_of_Metal_Nanoparticles_Using_Nanoscale_Corona_Discharge_in_Aqueous_Solutions

Maskless patterning by pulsed-power plasma printing
T. Huiskamp; W. J. M. Brok; A. A. E. Stevens; E. J. M. van Heesch; and A. J. M. Pemen, IEEE Transactions on Plasma Science, vol. 40, no. 7, pp. 1913-1925, July (2012), doi: 10.1109/TPS.2012.2195510.
https://ieeexplore.ieee.org/document/6215059

Technical Papers Referencing North Star High Voltage Probes/Dividers

Time jitter studies of a small V/n Switch
A. Larsson, D. Yap, and Y. W. Lim, IEEE Pulsed Power Conference, Chicago, IL, pp. 755-759, (2011), doi: 10.1109/PPC.2011.6191506.
https://ieeexplore.ieee.org/document/6191506

Characteristics of a novel nanosecond DBD microplasma reactor for flow applications
Elkholy, Ahmed; Veldhuizen, E.; Nijdam, Sander; Ebert, Ute; van Oijen, Jeroen; Dam, Nico; Goey, Philip, Plasma Sources Science and Technology, 27, (2017), DOI: 10.1088/1361-6595/aabf49.
https://www.researchgate.net/publication/319622557_Characteristics_of_a_novel_nanosecond_DBD_microplasma_reactor_for_flow_applications

Effects of the treatment parameters on the efficacy of the inactivation of Salmonella contaminating boiled chicken breast by in-package atmospheric cold plasma treatment
Roh, Si; Lee, Seung; Park, Hyeon; Lee, Eun; Min, Sea Cheol., International Journal of Food Microbiology, 293, (2018), DOI: 10.1016/j.ijfoodmicro.2018.12.016.
https://www.researchgate.net/publication/329838534_Effects_of_the_treatment_parameters_on_the_efficacy_of_the_inactivation_of_Salmonella_contaminating_boiled_chicken_breast_by_in-package_atmospheric_cold_plasma_treatment

Permanent Magnet Penning Trap
Daniel C. Barnes and Daniel R. Knapp, Cornell University, (2020).
https://arxiv.org/abs/2004.13103

Reel-to-reel atmospheric pressure dielectric barrier discharge (DBD) plasma treatment of polypropylene films
Seidelmann, Lukas; Bradley, James; Ratova, Marina; Hewitt, Jonathan; Moffat, Jamie; Kelly, Peter, Applied Sciences, 7, 337, (2017), DOI: 10.3390/app7040337.
https://www.researchgate.net/publication/315841861_Reel-to-Reel_Atmospheric_Pressure_Dielectric_Barrier_Discharge_DBD_Plasma_Treatment_of_Polypropylene_Films

Using a gyrotron as a source of modulated radiation for data transmission systems in the terahertz range Tsvetkov, Alexander; Fokin, Andrey; Sedov, A.; Glyavin, Mikhail, EPJ Web of Conferences, 195, (2018), 09006. DOI: 10.1051/epjconf/201819509006.
https://www.researchgate.net/publication/329149708_Using_a_Gyrotron_as_a_Source_of_Modulated_Radiation_for_Data_Transmission_Systems_in_the_Terahertz_Range

Optical Emission Characteristics of Electrical Explosion of Different Wires in Air
HAN Ruoyu, WU Jiawei, DING Weidong, YAO Weibo, ZHANG Yongmin, QIU Aici, School of Electrical Engineering, Xi'an Jiaotong University, Xi'an, China, (2017).
https://www.researchgate.net/profile/Ruoyu_Han/publication/321678210_Optical_Emission_Characteristics_of_Electrical_Explosion_of_Different_Wires_in_Air/links/5a2c257ba6fdccfbbf872e1f/Optical-Emission-Characteristics-of-Electrical-Explosion-of-Different-Wires-in-Air.pdf

Technical Papers Referencing North Star High Voltage Probes/Dividers

Continuous Discharge Phenomena in Cavitation Plasma in Sodium Chloride Solution
Sho Okada, Kohei Sawachika, Tomoya Kuroshima, Yoshihiro Oka, and Hideki Ueno, Plasma Applied Science, Volume 25, No. 1, p. 27-32, (2017).
https://www.jstage.jst.go.jp/article/aps/25/1/25_27/_article/-char/ja

Experimental Investigation of Pulsed Electrical Discharge Energy Deposition in Supersonic Flows Nicholas Adam Gawloski, Texas A&M University, (2017).
https://oaktrust.library.tamu.edu/bitstream/handle/1969.1/161614/GAWLOSKI-THESIS-2017.pdf?sequence=1&isAllowed=y

Dynamics of two microscale DPF devices
Pollard, William; Duggleby, Andrew; Staack, David, Journal of Physics D: Applied Physics, 49, (2016), DOI: 10.1088/0022-3727/49/5/055201.
https://www.researchgate.net/publication/287391076_Dynamics_of_two_microscale_DPF_devices

Decomposition characteristics of antibiotics using dielectric barrier plasma reactor
Proceedings of the Korean Environmental Sciences Society Conference, Vol 23, (2014).
http://210.101.116.28/W_files/kiss5/23107021_pv.pdf

Pulsed-high-voltage-supplied variable cross-section cylindrical electrostatic precipitators for fly-ash particles
Popa, Gabriel and Dascalescu, Lucian, Particulate Science and Technology, 1-8, (2017), DOI: 10.1080/02726351.2017.1340377.
https://www.researchgate.net/publication/319095934_Pulsed-high-voltage-supplied_variable_cross-section_cylindrical_electrostatic_precipitators_for_fly-ash_particles

Effect of operating conditions of high voltage impulse on generation of hydroxyl radical generation Seung-Yeon Cho and In-Soung Chang, Journal of Korean Society of Water and Wastewater, Vol. 31, No. 6, December (2017).
http://hoseowater.cafe24.com/2017%20Effect%20of%20operating%20conditions%20of%20high%20voltage%20impulse%20on%20generation%20of%20hydroxyl%20radical%20(RNO).pdf

Effect of Initial Volume of Hard Water and Contact Time on the Reduction of Calcium Ion Concentration using High Voltage Impulse Technique Cho, S.-Y; Kim, T.-H; Chang, In-Soung; Hong, W.-K; Lee, J.-H, Transactions of the Korean Institute of Electrical Engineers, 66, 1066-1071, (2017), DOI: 10.5370/KIEE.2017.66.7.1066.
https://www.researchgate.net/publication/320418324_Effect_of_initial_volume_of_hard_water_and_contact_time_on_the_reduction_of_calcium_ion_concentration_using_high_voltage_impulse_technique

Technical Papers Referencing North Star High Voltage Probes/Dividers

Effect of the applied voltage of pulsed electric fields and temperature on the reduction of calcium ion concentration Jae-Hyun Kim and In-Soung Chang, Department of Convergence Technology for Safety and Environment, Hoseo University, Republic of Korea, (2019). http://hoseowater.cafe24.com/0c411297kim.pdf

A Microcontroller-Based Modular Pulsed HV Power Supply: Design, Implementation, and Tests on DBD-Based Plasmas A. Koliadimas; D. Apostolopoulos; P. Svarnas; K. Sklias; D. Athanasopoulos; and E. D. Mitronikas, IEEE Transactions on Plasma Science, vol. 47, no. 3, pp. 1621-1628, March (2019), doi: 10.1109/TPS.2019.2896299. https://ieeexplore.ieee.org/document/8645824

A study on the decomposition of trichloroethylene using a low temperature plasma/catalyst complex process Youngseon Mok and Changmo Nam, Journal of the Korean Society for Industrial Applications, Vol. 6, No. 4, pp. 269-75, (2003). http://www.dbpia.co.kr/Journal/articleDetail?nodeId=NODE00514981

Isolated Ground Return Electrode for Use in Gaseous and Cryogenic Propellants Nicholas Nugent, David Helderman, and William Anderson, 44th AIAA/ASME/SAE/ASEE Joint Propulsion Conference & Exhibit, Hartford, CT, (2008), doi.org/10.2514/6.2008-4758. https://arc.aiaa.org/doi/10.2514/6.2008-4758

A Simple Self-Breakdown Sharpening Switch With Low Jitter and Stable Breakdown Voltage Y. Liu; X. Feng; F. Lin; and L. Lee, IEEE Transactions on Plasma Science, vol. 41, no. 1, pp. 192-198, Jan. (2013), doi: 10.1109/TPS.2012.2228238. https://ieeexplore.ieee.org/document/6374691

Demonstration of a novel pulsed electric field technique generating neither conduction currents nor Joule effects B. M. Novac et al., IEEE Transactions on Plasma Science, vol. 42, no. 1, pp. 216-228, Jan. (2014), doi: 10.1109/TPS.2013.2293915. https://ieeexplore.ieee.org/document/6687210

Simultaneous desulfurization denitrification process using ozone generator and absorption reduction method Mok Young-seon, Lee Joo-hyuk, Shin Dong-nam, Go Dong-jun, Kim Kyung-tae, Journal of the Korean Environmental Engineering Society, Vol. 28, No. 2, pp. 191-96, (2006). http://www.dbpia.co.kr/Journal/articleDetail?nodeId=NODE06751853

Breakdown Voltage Determination for Gaseous and Cryogenic Propellants Nugent, Nicholas; Helderman, David; Boopalan, Avanthi; Anderson, William, 43rd AIAA/ASME/SAE/ASEE Joint Propulsion Conference, 4, (2007), 10.2514/6.2007-5440. https://www.researchgate.net/publication/268482505_Breakdown_Voltage_Determination_for_Gaseous_and_Cryogenic_Propellants

Technical Papers Referencing North Star High Voltage Probes/Dividers

Improving plasma actuator performance at low pressure, and an analysis of the pointing capabilities of cubesats using plasmonic force propulsion (PFP) thrusters
Paul Daniel Friz, Thesis (M.S.), Missouri University of Science and Technology, (2014).
https://scholarsmine.mst.edu/cgi/viewcontent.cgi?article=8253&context=masters_theses

Investigation of changes of physical and chemical properties of tap water under influence of powerful underwater spark discharges Vinnikov, D.; Korytchenko, K.; Tkachov, V.; Egorenkov, V.; Kudin, Dmitriy; Mirnaya, T., Electrical Engineering & Electromechanics, 39-46, (2017), DOI: 10.20998/2074-272X.2017.1.07.
https://www.researchgate.net/publication/318354543_INVESTIGATION_OF_CHANGES_OF_PHYSICAL_AND_CHEMICAL_PROPERTIES_OF_TAP_WATER_UNDER_INFLUENCE_OF_POWERFUL_UNDERWATER_SPARK_DISCHARGES

Influences of Packing Materials, Applied Voltage, Gas Composition and Voltage Polarity on the Decomposition of Toluene and the Power Delivery in a Dielectric Barrier Plasma Reactor
Young Sun Mok, Ho Won Lee, Young-Jin Hyun, Sung Won Ham, Moo Hyun Cho, and In-Sik Nam, Journal of the Korean Institute of Chemical Engineering, V. 40, No. 1, (2002).
https://pdfs.semanticscholar.org/54b0/671221e9bf4b9d5f2b523be872f2f5a97132.pdf

Jet vectoring and vorticity generation using plasma actuators
Bolitho, Michael, Oklahoma State University thesis, (2008).
https://shareok.org/handle/11244/9904.

First Experiments on Data Transmission Using a Sub-THz Gyrotron
Tsvetkov, Alexander; Fokin, Andrey; Sedov, A., Journal of Infrared, Millimeter, and Terahertz Waves, 40, (2019), DOI: 10.1007/s10762-019-00595-z.
https://www.researchgate.net/publication/332889539_First_Experiments_on_Data_Transmission_Using_a_Sub-THz_Gyrotron

Data transmission using the gyrotron signal as the carrier
A. Fokin; A.Sedov; A. Tsvetkov, 30th Joint Russian-German Meeting on ECRH and Gyrotrons, Institute of Applied Physics of the Russian Academy of Sciences, Nizhny Novgorod, Russia, (2018), doi.org/10.1051/epjconf/201818701007.
https://www.epj-conferences.org/articles/epjconf/pdf/2018/22/epjconf_rgm2018_01007.pdf

Acoustic impulses generated by air-bubble stimulated underwater spark discharges
Y. Sun et al., IEEE Transactions on Dielectrics and Electrical Insulation, vol. 25, no. 5, pp. 1915-1923, Oct. (2018), doi: 0.1109/TDEI.2018.007293.
https://ieeexplore.ieee.org/abstract/document/8484905

Technical Papers Referencing North Star High Voltage Probes/Dividers

Effect of plasma discharge on selective catalytic reduction of nitrogen oxides
Young Sun Mok, Ho-Chul Kang, Ho Won Lee, and In-Sik Nam, Journal of the Korean Institute of Chemical Engineering, Vol. 41, No. 2, April, pp. 256-263, (2003).
https://pdfs.semanticscholar.org/2444/e6bbe37dcd0383c4ae5851cf3594d39a8dc2.pdf

Uniform dielectric barrier discharge with nanosecond pulse excitation for biomedical applications Ayan, Halim, Thesis, Drexel University, (2009).
https://idea.library.drexel.edu/islandora/object/idea%3A3078

Experimental Determination and Modeling of Used Fuel Drying by Vacuum and Gas Circulation for Dry Cask Storage Travis Knight et al., University of South Carolina, (2009).
https://neup.inl.gov/SiteAssets/Final%20%20Reports/FY%202014/14-7730%20NEUP%20Final%20Report.pdf

Experimental study of skin wettability modification by cold atmospheric pressure plasma
Dimitrios Athanasopoulos, Thesis, University of Patras, Greece, (2017).
https://nemertes.lis.upatras.gr/jspui/bitstream/10889/10903/7/Nemertes_Athanasopoulos%28ele%29.pdf

Efficient Control of Output Parameters of the Medium Power Gyrotrons
A. I. Tsvetkov et al., Progress in Electromagnetics Research Symposium (PIERS-Toyama), Toyama, pp. 1159-1165, (2018), doi: 10.23919/PIERS.2018.8597766.
https://ieeexplore.ieee.org/document/8597766

Characterization of pulsed UV sources
Feathers, Shannon Paul, Thesis, Texas Tech University, (2016).
https://ttu-ir.tdl.org/handle/2346/72350

The electrothermal instability on pulsed power ablations of thin foils
Steiner, Adam, Thesis, University of Michigan, (2016).
https://deepblue.lib.umich.edu/handle/2027.42/135827

Nitrogen monoxide removal process modeling by dielectric discharge plasma process
Mok Young-sun, Journal of the Korean Society for Industrial Applications, Vol. 6, No.4, (2003).
http://www.dbpia.co.kr/Journal/articleDetail?nodeId=NODE00514982

The generation of triggered shock-waves in shock-tubes with exploding wires
M. E. J. Rudroff, A. Lodes, R. D. Curry, M. Schmidt, and W. Brown, IEEE Pulsed Power Conference, Chicago, IL, (2011), pp. 1072-1076, doi: 10.1109/PPC.2011.6191645.
https://ieeexplore.ieee.org/document/6191645

Technical Papers Referencing North Star High Voltage Probes/Dividers

An investigation into the optical emission from pulsed planar surface discharges and their application for the pumping of dye lasers D. J. Fulker et al., 28th IEEE International Conference on Plasma Science and 13th IEEE International Pulsed Power Conference, Digest of Papers (Cat. No.01CH37251), Las Vegas, NV, USA, pp. 1543-1546, vol.2, (2001), doi: 10.1109/PPPS.2001.1001855.
https://ieeexplore.ieee.org/abstract/document/1001855

Factors affecting and methods of improving the pulse repetition frequency of pulse-charged and DC-charged high-pressure gas switches S. J. MacGregor, S. M. Turnbull, F. A. Tuema, and O. Farish, IEEE Transactions on Plasma Science, vol. 25, no. 2, pp. 110-117, April (1997), doi: 10.1109/27.602480. https://ieeexplore.ieee.org/document/602480

Inception and propagation of positive streamers in high-purity nitrogen: effects of the voltage rise rate Clevis, T.; Nijdam, Sander; Ebert, Ute, Journal of Physics D: Applied Physics, 46, (2012), 10.1088/0022-3727/46/4/045202.
https://www.researchgate.net/publication/230700722_Inception_and_propagation_of_positive_streamers_in_high-purity_nitrogen_Effects_of_the_voltage_rise_rate

Time jitter study of a corona-stabilized closing switch A. Larsson, D. Yap, and Y. W. Lim, IEEE Transactions on Plasma Science, vol. 40, no. 10, pp. 2646-2652, Oct. (2012), doi: 10.1109/TPS.2012.2208103. https://ieeexplore.ieee.org/document/6261555

The influence of charge on surface flashover
R. A. Fouracre; F. A. Twema; S. J. MacGregor; and M. J. Given, Eleventh International Symposium on High Voltage Engineering, London, UK, 1999, pp. 329-332, vol.3, (1999), doi: 10.1049/cp:19990766. https://ieeexplore.ieee.org/abstract/document/816787

Study of nanosecond pulsed high frequency discharge ignition in a flowing methane/air mixture Joseph K. Lefkowitz and Timothy Ombrello, 55th AIAA Aerospace Sciences Meeting, Grapevine, Texas, January (2017), doi.org/10.2514/6.2017-1777.
https://arc.aiaa.org/doi/abs/10.2514/6.2017-1777

Parametric Analysis of Ignition Circuit Components on Spark Discharge Characteristics
Yu, Shui; Tan, Qingyuan; Ives, Mark; Liu, Mengzhu; Li, Liguang; Chen, Xiang; Zheng, Ming, SAE World Congress and Exhibition (2016), 10.4271/2016-01-1011.
https://www.researchgate.net/publication/301242956_Parametric_Analysis_of_Ignition_Circuit_Components_on_Spark_Discharge_Characteristics

Technical Papers Referencing North Star High Voltage Probes/Dividers

The production and evolution of atomic oxygen in the afterglow of streamer discharge in atmospheric pressure fuel/air mixtures S J Pendleton; S Bowman; C Carter; M A Gundersen; and W Lempert, Journal of Physics D: Applied Physics, Volume 46, Number 30, (2013).
https://iopscience.iop.org/article/10.1088/0022-3727/46/30/305202

Operating conditions and switching delay time of a corona-stabilized switch during repetitive operation A. Larsson, D. Yap and J. Au, IEEE Transactions on Plasma Science, vol. 41, no. 10, pp. 2605-2608, Oct. (2013), doi: 10.1109/TPS.2013.2250527.
https://ieeexplore.ieee.org/document/6607197

Rep-rated operation of a modular, compact HV-capacitor charger
T. T. Vollmer and M. G. Giesselmann, IEEE Pulsed Power Conference, Chicago, IL, pp. 1590-1592, (2011), doi: 10.1109/PPC.2011.6191687.
https://ieeexplore.ieee.org/document/6191687

The spectral properties of UV radiation from pulsed surface discharges
F. A. Tuema, S. J. MacGregor, R. A. Fouracre, P. A. Winstanley, and D. J. Fulker, Digest of Technical Papers, 12th IEEE International Pulsed Power Conference, Monterey, CA, pp. 1106-1109, vol.2, (1999), doi: 10.1109/PPC.1999.823714.
https://ieeexplore.ieee.org/document/823714

Single-pulse avalanche mode operation of 10-kV/10-A SiC MOSFET
Mitchell D.Kelley, Bejoy N.Pushpakaran, Argenis V. Bilbao, James A. Schrock, Stephen B. Bayne, Microelectronics Reliability, Volume 81, pages 174-180, February (2018).
https://www.sciencedirect.com/science/article/abs/pii/S0026271417305693

The propagation of a 4 metre guided discharge across a dielectric surface
S. J. MacGregor, R. Fouracre, M. J. Given, and S. M. Turnbull, Seventh International Conference on Dielectric Materials, Measurements and Applications, Bath, UK, pp. 184-189, (1996), doi: 10.1049/cp:19961018.
https://ieeexplore.ieee.org/document/607378

A compact and portable EMP generator based on Tesla transformer technology
Partha Sarkar, PhD thesis, Loughborough University, (2012).
https://repository.lboro.ac.uk/articles/A_compact_and_portable_EMP_generator_based_on_Tesla_transformer_technology/9515588

Experimental and Theoretical Studies on the Effect of Electrode Area on Static Performance of Gas Switches W. Luo, P. Cong, T. Huang, T. Sun, and A. Qiu, IEEE Transactions on Plasma Science, vol. 46, no. 7, pp. 2558-2561, July (2018), doi: 10.1109/TPS.2017.2764049.
https://ieeexplore.ieee.org/document/8277167

Technical Papers Referencing North Star High Voltage Probes/Dividers

Characterizing streamer branching in N2–O2 mixtures by 2D peak-finding
Li, Yuan; Dijcks, Siebe; Sun, Guangyu; Wen, Jia-Ye; Xu, Yao-Yu; Zhang, Guan-Jun; Ebert, Ute; Nijdam, Sander, Plasma Sources Science and Technology, 29, (2020), 10.1088/1361-6595/ab73de.
https://www.researchgate.net/publication/339120326_Characterizing_streamer_branching_in_N2-O2_mixtures_by_2D_peak-finding

Direct comparison of pulsed spark discharges in air and water by synchronized electrical and optical diagnostics Höft, Hans; Huiskamp, Tom, The European Physical Journal D. 72, (2018), 10.1140/epjd/e2018-90505-0.
https://www.researchgate.net/publication/329746004_Direct_comparison_of_pulsed_spark_discharges_in_air_and_water_by_synchronized_electrical_and_optical_diagnostics

Study of the effect of glow discharges near a M= 3 bow shock
Elias, Paul-Quentin; Chanetz, Bruno; Larigaldie, Serge; Packan, Denis, (2007), Aiaa Journal - AIAA J., 45, pp. 2237-2245, (2007), 10.2514/1.28515.
https://www.researchgate.net/publication/245426310_Study_of_the_Effect_of_Glow_Discharges_Near_a_M_3_Bow_Shock

Time jitter studies of a corona-stabilised closing switch
A. Larsson; D. Yap; and Y. W. Lim, IEEE Pulsed Power Conference, Chicago, IL, pp. 749-754, (2011), doi: 10.1109/PPC.2011.6191505.
https://ieeexplore.ieee.org/document/6191505

Optimization of compact power modulators for transient plasma ignition
D. Singleton; M. A. Gundersen; and A. Simone, IEEE International Power Modulator and High Voltage Conference, Atlanta, GA, pp. 254-257, (2010), doi: 10.1109/IPMHVC.2010.5958341.
https://ieeexplore.ieee.org/document/5958341

Design and Experimental Test Of 250 GHz/300 kW/CW Gyrotron
Denisov, G. et al., EPJ Web of Conference, (2018), DOI: 10.1051/epjconf/201818701006.
https://www.researchgate.net/publication/327399881_Design_and_Experimental_Test_Of_250_GHz300_kWCW_Gyrotron

Impulsive discharges in water: acoustic and hydrodynamic parameters
Y. Sun et al., IEEE Transactions on Plasma Science, vol. 44, no. 10, pp. 2156-2166, Oct. (2016), doi: 10.1109/TPS.2016.2583066. https://ieeexplore.ieee.org/document/7506237

Technical Papers Referencing North Star High Voltage Probes/Dividers

Compact 400 kV Marx generator with common switch housing
J. D. Graham, D. G. Gale, W. E. Sommars, and S. E. Calico, Digest of Technical Papers, 11th IEEE International Pulsed Power Conference, Baltimore, MA, USA, pp. 1519-1523, vol.2, (1997), doi: 10.1109/PPC.1997.674619.
https://ieeexplore.ieee.org/document/674619

RECENT DEVELOPMENTS IN NANOSECOND PULSED SLIDING DISCHARGE FOR AIRFLOW CONTROL Bayoda, Kossi; Benard, Nicolas; Moreau, Eric, RECENT DEVELOPMENTS IN NANOSECOND PULSED SLIDING DISCHARGE FOR AIRFLOW CONTROL, Université de Poitiers, Futuroscope, France, (2014).
https://www.researchgate.net/publication/302932509_RECENT_DEVELOPMENTS_IN_NANOSECOND_PULSED_SLIDING_DISCHARGE_FOR_AIRFLOW_CONTROL

Lead paint removal with high-intensity light pulses
Grapperhaus, Michael and Schaefer, Raymond, Environmental Science & Technology, 40 (24), pp. 7925-9, (2007), DOI: 10.1021/es061328g.
https://www.researchgate.net/publication/6546783_Lead_Paint_Removal_with_High-Intensity_Light_Pulses

Breakdown Characteristics of Natural and Synthetic Ester Liquids When Containing Varying Levels of Moisture C. Williamson et al., IEEE Pulsed Power & Plasma Science (PPPS), Orlando, FL, USA, pp. 1-6, (2019), doi: 10.1109/PPPS34859.2019.9009857.
https://ieeexplore.ieee.org/document/9009857

The effect of anode on the initial stage of a vacuum discharge
Z. Zhou et al., 4th International Conference on Electric Power Equipment - Switching Technology (ICEPE-ST), Xi'an, pp. 569-572, (2017), doi: 10.1109/ICEPE-ST.2017.8188912.
https://ieeexplore.ieee.org/document/8188912

A Framework for the Active Control of Corona Ignition Systems
Wang, Linyan; Tan, Qingyuan; Yu, Shui; Yu, Xiao; Chen, Xiang; Zheng, Ming, Conference: 2019 JSAE/SAE Powertrains, Fuels, and Lubricants, (2019), DOI: 10.4271/2019-01-2157.
https://www.researchgate.net/publication/338079190_A_Framework_for_the_Active_Control_of_Corona_Ignition_Systems

A new, compact pulsed power system based on surge arrestor technology
M. C. Clark, IEEE Pulsed Power Conference, Washington, DC, 2009, pp. 938-943, (2009), doi: 10.1109/PPC.2009.5386093.
https://ieeexplore.ieee.org/document/5386093

Technical Papers Referencing North Star High Voltage Probes/Dividers

Spherical Penning trap as a small fusion source
Daniel C. Barnes and Daniel R. Knapp, PowerPoint presentation, IEC, College Park MD, (2018). https://cpb-us-e1.wpmucdn.com/blog.umd.edu/dist/d/568/files/2018/10/BarnesKnapp_paper_2018-1jk7hvd.pdf

High voltage solid state switched Vector Inversion Generators
Z. Shotts and M. F. Rose, IEEE Pulsed Power Conference, Washington, DC, 2009, pp. 908-912, (2009), doi: 10.1109/PPC.2009.5386220. https://ieeexplore.ieee.org/document/5386220

Study on jitter of 30Hz surface discharge radiation source
Huang, Chao; Liu, Jing-ru; Yu, Li; Tang, Ying; An, Xiao-xia; Yi, Ai-ping; Zhu, Feng; Huang, Ke; Ma, Lian-ying, Proceedings of SPIE - The International Society for Optical Engineering, 8677, (2012), DOI: 10.1117/12.2010619.
https://www.researchgate.net/publication/258721916_Study_on_Jitter_of_30Hz_Surface_Discharge_Radiation_Source

Measurement and simulation of pulsed plasma development at medium pressure in a non-uniform field A. Fierro, J. Dickens, and A. Neuber, IEEE International Power Modulator and High Voltage Conference (IPMHVC), Santa Fe, NM, pp. 488-491, (2014), doi: 10.1109/IPMHVC.2014.7287318. https://ieeexplore.ieee.org/document/7287318

Series Connection of Gas and Vacuum Circuit Breakers as a Hybrid Circuit Breaker in High-Voltage Applications N. Götte, T. Krampert, and P. G. Nikolic, IEEE Transactions on Plasma Science, vol. 48, no. 7, pp. 2577-2584, July (2020), doi: 10.1109/TPS.2020.3003429.
https://ieeexplore.ieee.org/document/9127134

Performance of plasma closing switches filled with air, nitrogen and a nitrogen/oxygen mixture M. Hogg, I. Timoshkin, S. Macgregor, M. Given, M. Wilson, T. Wang, University of Strathclyde, Glasgow.
https://gd2014.sciencesconf.org/28585/GD_2014_Michael_G_Hogg_28585_.pdf

High Energy Ignition Strategies for Diluted Mixtures via a Three-Pole Igniter
Yu, S.; Xie, K.; Yu, X.; Wang, M.; et al., SAE Technical Paper 2016-01-2175, (2016), doi: 10.4271/2016-01-2175.
https://www.sae.org/publications/technical-papers/content/2016-01-2175/

Single nanosecond dielectric barrier discharge and pulsed sliding discharge applied to separation control along a NACA 0015 airfoil Bayoda, Kossi; Benard, Nicolas; Moreau, Eric, Conference: 46th AIAA Plasmadynamics and Lasers Conference (2015), 10.2514/6.2015-2344.
https://www.researchgate.net/publication/299641084_Single_Nanosecond_Dielectric_Barrier_Discharge_and_Pulsed_Sliding_Discharge_Applied_to_Separation_Control_Along_a_NACA_0015_Airfoil

Technical Papers Referencing North Star High Voltage Probes/Dividers

Nanosecond pulsed sliding dielectric barrier discharge plasma actuator for airflow control: electrical, optical, and mechanical characteristics
Bayoda, Kossi; Benard, Nicolas; and Moreau, Eric, Journal of Applied Physics, 118 (6), (2015), DOI: 10.1063/1.4927844.
https://www.researchgate.net/publication/281592886_Nanosecond_pulsed_sliding_dielectric_barrier_discharge_plasma_actuator_for_airflow_control_Electrical_optical_and_mechanical_characteristics

Low energy compact power modulators for transient plasma ignition
D. R. Singleton, A. Kuthi, J. M. Sanders, M. A. Gundersen, A. Simone, and S. J. Pendleton, IEEE Transactions on Dielectrics and Electrical Insulation, vol. 18, no. 4, pp. 1084-1090, August (2011), doi: 10.1109/TDEI.2011.5976099. https://ieeexplore.ieee.org/document/5976099

A self-consistent model of ionic wind generation by negative corona discharges in air with experimental validation Chen, She; Nobelen, Jasper; Nijdam, Sander, Plasma Sources Science and Technology, 26, (2017), DOI: 10.1088/1361-6595/aa86b8.
https://www.researchgate.net/publication/319161967_A_self-consistent_model_of_ionic_wind_generation_by_negative_corona_discharges_in_air_with_experimental_validation

Spark Ignition Circuit Energy Characterization based on a Simplified Model and Measurement Analysis Tan, Qingyuan; Yu, Shui; Chen, Xiang; Zheng, Ming, SAE Technical Papers, (2015), DOI: 10.4271/2015-01-1271.
https://www.researchgate.net/publication/283001815_Spark_Ignition_Circuit_Energy_Characterization_based_on_a_Simplified_Model_and_Measurement_Analysis

Switching behavior of a double gap pseudospark discharge
V. Pathania et al., IEEE Transactions on Dielectrics and Electrical Insulation, vol. 22, no. 6, pp. 3299-3304, December (2015), doi: 10.1109/TDEI.2015.004983.
https://ieeexplore.ieee.org/document/7367524

Investigation of a fast high-repetitive 10-kV SiC-MOSFET switching module
R. Bischoff, M. Stoll, R. Himmelsbach, and S. Scharnholz, IEEE International Power Modulator and High Voltage Conference (IPMHVC), Jackson, WY, USA, 2018, pp. 200-203, (2018), doi: 10.1109/IPMHVC.2018.8936693.
https://ieeexplore.ieee.org/document/8936693

Spectroscopic study of vacuum arc plasma expansion
Zhou, Zhipeng et al., Journal of Physics D: Applied Physics, 53 (12), (2019), DOI: 10.1088/1361-6463/ab642a.
https://www.researchgate.net/publication/338060734_Spectroscopic_study_of_vacuum_arc_plasma_expansion

Technical Papers Referencing North Star High Voltage Probes/Dividers

Electrical and acoustic parameters of wire-guided discharges in water: experimental determination and phenomenological scaling Y. Sun et al., IEEE Transactions on Plasma Science, vol. 45, no. 10, pp. 2648-2655, Oct. (2017), doi: 10.1109/TPS.2017.2717602. https://ieeexplore.ieee.org/document/7962241

New pulsed jet using spark plasma discharge: Subsonic configuration
Benard, Nicolas; Zong, Haohua; Zhang, Yang; Kotsonis, Marios; Acher, Gwenael; Cattafesta, Louis; Bonnet, Jean-Paul; and Moreau, Eric, Conference: AIAA Scitech 2020 Forum, (2020), DOI: 10.2514/6.2020-2149.
https://www.researchgate.net/publication/338401143_New_pulsed_jet_using_spark_plasma_discharge_Subsonic_configuration/citation/download

An SDBD plasma-catalytic system for on-demand air purification
A. J. M. Pemen, V. R. Chirumamilla, F. J. C. M. Beckers, W. F. L. M. Hoeben, and T. Huiskamp, IEEE Transactions on Plasma Science, vol. 46, no. 12, pp. 4078-4090, Dec. (2018), doi: 10.1109/TPS.2018.2855402. https://ieeexplore.ieee.org/document/8423439

Effect of humidity and air pressure on the discharge modes transition characteristics of negative DC corona S. Chen; K. Li; F. Wang; Q. Sun; and L. Zhong, IET Science, Measurement & Technology, vol. 13, no. 8, pp. 1212-1218, 10 (2019), doi: 10.1049/iet-smt.2019.0032.
https://ieeexplore.ieee.org/document/8870334

Ignition Improvement for Ultra-Lean Dilute Gasoline Combustion
Yu, S.; Yu, X.; Yang, Z.; Wang, M., et al., SAE Technical Paper 2017-01-2244, (2017), DOI: 10.4271/2017-01-2244.
https://www.sae.org/publications/technical-papers/content/2017-01-2244/

Investigation on a novel multiple-switch pulsed power technology
Z. Liu; K. Yan; A. J. M. Pemen; E. J. M. Van Heesch; and G. J. J. Winands, IEEE Pulsed Power Conference, Monterey, CA, pp. 1081-1084, (2005), doi: 10.1109/PPC.2005.300507.
https://ieeexplore.ieee.org/document/4084409

Spark Distribution to Improve Diluted Gasoline Combustion
Zheng, Ming; Yu, Shui; Yu, Xiao; Yang, Zhenyi, The Proceedings of the International Symposium on Diagnostics and Modeling of Combustion in Internal Combustion Engines, (2017), 2017.9. B310. 10.1299/jmsesdm.2017.9.B310.
https://www.researchgate.net/publication/323437149_Spark_Distribution_to_Improve_Diluted_Gasoline_Combustion

Technical Papers Referencing North Star High Voltage Probes/Dividers

Potential of pulsed corona discharges generated in water for the degradation of persistent pharmaceutical residues Banaschik, Robert; Lukes, Petr; Jablonowski, Helena; Hammer, Malte; Weltmann, Klaus-Dieter; Kolb, Juergen, Water Research, 84, pp. 127-135, (2015), DOI: 10.1016/j.watres.2015.07.018.
https://www.researchgate.net/publication/280589088_Potential_of_Pulsed_Corona_Discharges_Generated_in_Water_for_the_Degradation_of_Persistent_Pharmaceutical_Residues

High energy multipole distribution spark ignition system
Zheng, Ming; Yu, Shui; Tjong, Jimi, Conference paper, (2017), DOI: 10.1007/978-3-319-45504-4_6.
https://www.researchgate.net/publication/310500661_High_Energy_Multipole_Distribution_Spark_Ignition_System

Pulsed breakdown characterization of advanced liquid dielectrics for high-power high-pressure rep-rate oil switching
C. Yeckel and R. D. Curry, 2009 IEEE Pulsed Power Conference, Washington, DC, pp. 860-865, (2009), doi: 10.1109/PPC.2009.5386374.
https://ieeexplore.ieee.org/document/5386374

Data Transmission Using the Agrotron Signal as a Carrier
http://www.mwelectronics.ru/2018/Papers/205-208.pdf

A solid-state 0–120 kV microsecond pulse charger for a nanosecond pulse source
T. Huiskamp, F. J. C. M. Beckers, E. J. M. van Heesch, and A. J. M. Pemen, IEEE Transactions on Plasma Science, vol. 41, no. 12, pp. 3666-3674, Dec. (2013), doi: 10.1109/TPS.2013.2286499.
https://ieeexplore.ieee.org/document/6654299

Evidence of thunder being a chemical explosion of air
GRANEAU , PETER; Graneau, Neal; Hathaway, George, Journal of Plasma Physics, 69, pp. 187-197, (2003), DOI: 10.1017/S0022377803002198.
https://www.researchgate.net/publication/231939710_Evidence_of_thunder_being_a_chemical_explosion_of_air

On the low-temperature plasma discharge in methane/air diffusion flames
Zare, Saeid; Lo, Hao; Roy, Shrabanti; Askari, Omid, Energy, (2020), DOI: 10.1016/j.energy.2020.
https://www.researchgate.net/publication/339307915_On_the_Low-Temperature_Plasma_Discharge_in_MethaneAir_Diffusion_Flames

Technical Papers Referencing North Star High Voltage Probes/Dividers

Flow control in an axial compressor using plasma actuators
Williamson, Craig; Weierman, Jacob; Jacob, Jamey, Conference: 39th AIAA Fluid Dynamics Conference, (2009), DOI: 10.2514/6.2009-4290.
https://www.researchgate.net/publication/269129551_Flow_Control_in_an_Axial_Compressor_Using_Plasma_Actuators

A modular, high REP-RATE, fast-risetime, optically-isolated, pulse trigger generator
D. H. Barnett et al., 2015 IEEE Pulsed Power Conference (PPC), Austin, TX, pp. 1-4, (2015), doi: 10.1109/PPC.2015.7296790. https://ieeexplore.ieee.org/document/7296790

Degradation of organic dyes by nanosecond pulsed discharge plasma
Qiu Congying, Guan Xiantao, Liu Zhen, et al., High Power Laser and Particle Beams, 32: 025010, (2020), doi: 10.11884/HPLPB202032.190390.
http://www.hplpb.com.cn/en/article/doi/10.11884/HPLPB202032.190390

A solid state, 120 kV microsecond pulse charger for a 1–10 nanosecond pulse source
T. Huiskamp, F. J. C. M. Beckers, E. J. M. van Heesch, and A. J. M. Pemen, 19th IEEE Pulsed Power Conference (PPC), San Francisco, CA, pp. 1-6, (2013), doi: 10.1109/PPC.2013.6627617.
https://ieeexplore.ieee.org/document/6627617

Commissioning of a pulsed power corona discharge reactor for CO2 reduction
M.S. Moss, D. Kuvshinov, R.H. Elder, and R.W.K Allen, 22nd International Symposium on Plasma Chemistry, Antwerp, Belgium, July 5-10, (2015).
https://www.ispc-conference.org/ispcproc/ispc22/P-III-9-23.pdf

Experimental and Simulation Analysis of the Jitter Response of a Single-Shot Oil Switch with a High-K Particle Suspension
Christopher Yeckel, PhD dissertation, University of Missouri, (2012).
https://search.proquest.com/openview/d6c3417ad33209891416be4e41fd31e8/1?pq-origsite=gscholar&cbl=18750&diss=y

High voltage, step-down converter design using 20-kV silicon carbide IGBTs
M. Hinojosa and A. Ogunniyi, 2016 IEEE International Power Modulator and High Voltage Conference (IPMHVC), San Francisco, CA, pp. 520-524, (2016), doi: 10.1109/IPMHVC.2016.8012883. https://ieeexplore.ieee.org/document/8012883

Fast Semiconductor Switching Modules for Transformer-Coupled LC Inversion Generators
R. Bischoff, V. Brommer, M. Stoll, and S. Scharnholz, IEEE Transactions on Plasma Science, vol. 45, no. 10, pp. 2618-2622, Oct. (2017), doi: 10.1109/TPS.2017.2716833.
https://ieeexplore.ieee.org/document/8059974

Technical Papers Referencing North Star High Voltage Probes/Dividers

Fiber-coupled LED gas sensor and its application to online monitoring of ecoefficient dielectric insulation gases in high-voltage circuit breakers Axel Kramer, Daniel Over, Patrick Stoller, and Thomas A. Paul, Applied Optics, Vol. 56 (15), pp. 4505-4512, (2017), DOI: 10.1364/AO.56.004505. https://www.osapublishing.org/ao/abstract.cfm?uri=ao-56-15-4505

Electro-explosive fuse optimization for FCG current sources
David R. McCauley, Thesis, Texas Tech University, (2007).
https://ttu-ir.tdl.org/bitstream/handle/2346/21599/McCauley_David_Thesis.pdf

Enhancement of polymer membrane permeation by electroporation: Measurement of polymer cell permeability coefficient using HepG2: thermal engineering, internal combustion engine, power, etc. Shiragashi Ryo and Sakai Yasuyuki, The Japan Society of Mechanical Engineers, Volume 67, Issue 660, (2001), 10.1299/kikaib.67.2075.
https://www.jstage.jst.go.jp/article/kikaib1979/67/660/67_660_2075/_article/-char/ja/

A HIGH-VOLTAGE MONITORING SYSTEM EMPLOYED FOR EVALUATING THE METAL CONTENT OF GRANULAR MIXTURES PROCESSED IN ELECTROSTATIC SEPARATORS
Anca Stochita, Adrian Mihalcioiu, Lucian Dascalescu, Petru V. Notingher, ATEE, (2004).
http://elth.pub.ro/~mm/atee2004/documente/Lucrari%20PDF3,4,5/ATEE%202004%20Stochita%205.3.pdf

Breakdown Voltage of Thermoplastics with Clay Nanometer-Sized Fillers (Postprint)
Brandstetter, Stephen; Drummy, Lawrence; Horwath, John; Schweickart, Daniel; Vaia, Richard, US Air Force Research Laboratory, Dayton, OH, (2008).
https://apps.dtic.mil/dtic/tr/fulltext/u2/a503983.pdf

A 40 kV, 3.1/spl Omega/PFN for the Main Injector abort kicker
C. C. Jensen, Proceedings of the 1997 Particle Accelerator Conference, Vancouver, BC, Canada, pp. 1284-1286, vol.1, (1997), doi: 10.1109/PAC.1997.750001.
https://ieeexplore.ieee.org/document/750001

Optical Diagnostics for high power pulsed underwater electrical discharge characterization
Deroy, Julien; Claverie, Alain; Avrillaud, Gilles; Boustie, Michel; Mazanchenko, E; Assous, David; Chuvatin, A., Journal of Physics: Conference Series. 500, (2014), DOI: 10.1088/1742-6596/500/14/142010.
https://www.researchgate.net/publication/262416604_Optical_diagnostics_for_high_power_pulsed_underwater_electrical_discharge_characterization

Prediction of residual breakdown electrical field strength of epoxy-mica paper insulation systems for the stator winding of large generators
K. Tanaka, H. Kojima, M. Onoda, and K. Suzuki, IEEE Transactions on Dielectrics and Electrical Insulation, vol. 22, no. 2, pp. 1118-1123, April (2015), doi: 10.1109/TDEI.2015.7076813.
https://ieeexplore.ieee.org/document/7076813

Technical Papers Referencing North Star High Voltage Probes/Dividers

Fabrication and operation testing of an air core type high pressure pulse lance for filling the high pressure pulse forming line

Yun-Sik, Jin et al., The Transactions of the Korean Institute of Electrical Engineers, V. 59 (5), May (2010).
http://ocean.kisti.re.kr/downfile/volume/kiee/DHJGII/2010/v59n5/DHJGII_2010_v59n5_939.pdf

High voltage, high power nested high voltage accelerator
R. J. Adler and R. J. Richter-Sand, Conference Record of the 1991 IEEE Particle Accelerator Conference, San Francisco, CA, USA, pp. 3201-3203, vol.5, (1991), doi: 10.1109/PAC.1991.165234.
https://ieeexplore.ieee.org/document/165234

Advances in the development of the nested high voltage generator
R. J. Adler and R. J. Richter-Sand, Proceedings of International Conference on Particle Accelerators, Washington, DC, USA, pp. 1306-1308, vol.2, (1993), doi: 10.1109/PAC.1993.308613. https://ieeexplore.ieee.org/document/308613

Commercial plasma source ion implantation facility
J.T.Scheuer, K.C.Walter, R.A. Adler, and W.G.Horne, Surface and Coatings Technology, Volume 93, Issues 2–3, Pages 192-196, September (1997), DOI: 10.1016/S0257-8972(97)00043-1.
https://www.sciencedirect.com/science/article/abs/pii/S0257897297000431

Experimental observation of two microwave radiation mechanisms with widely separated frequencies during the output pulse of a high-voltage virtual cathode oscillator
M. Haworth, et al., Appl. Phys. Lett., 59, 408, (1991), DOI: 10.1063/1.105446.
https://aip.scitation.org/doi/abs/10.1063/1.105446

Pulse Breakdown Strengths of Liquid, Gel and Solid Insulating Materials Using Closely Spaced Spherical Electrodes Leask, P.J., Acta Physica Polonica, Series a., 115 (6), (2009), 10.12693/APhysPolA.115.998.
https://www.researchgate.net/publication/267687681_Pulse_Breakdown_Strengths_of_Liquid_Gel_and_Solid_Insulating_Materials_Using_Closely_Spaced_Spherical_Electrodes

Influence of high voltage atmospheric cold plasma process parameters and role of relative humidity on inactivation of Bacillus atrophaeus spores inside a sealed package
Shruti Patil, et al., Journal of Hospital Infection, Volume 88, Issue 3, Pages 162-16, November (2014), DOI: 10.1016/j.jhin.2014.08.009.
https://www.sciencedirect.com/science/article/abs/pii/S0195670114002710

Technical Papers Referencing North Star High Voltage Probes/Dividers

High voltage high power klystron drivers using flexible solid state IGBT modules
R. J. Richter-Sand, R. J. Adler, and K. Rust, Conference Record of the Twenty-fourth International Power Modulator Symposium, Norfolk, VA, USA, pp. 165-170, (2000) doi: 10.1109/MODSYM.2000.896191.
https://ieeexplore.ieee.org/document/896191

Thyratron modulators in plasma source ion implantation
R. J. Adler, J. Scheuer, and W. Horne, Digest of Technical Papers, Tenth IEEE International Pulsed Power Conference, Albuquerque, NM, USA, pp. 1243-1248, vol.2, (1995), doi: 10.1109/PPC.1995.599786.
https://ieeexplore.ieee.org/document/599786

Mechanical and chemical properties of PBIID-treated plastics
MinehiroTonosaki, Koji Kitagawa, and Yutaka Takei, Surface and Coatings Technology, V. 156, Issues 1-3, pages 338-342, July (2002), DOI: 10.1016/S0257-8972(02)00108-1.
https://www.sciencedirect.com/science/article/abs/pii/S0257897202001081

High-Power Pulsed Corona for Treatment of Pollutants in Heterogeneous Media, A. Pokryailo, M. Wolf, Y. Yankelevich, S. Wald,L.R. Grabowski, E.M. van Veldhuizen, W.R. Rutgers
M. Reiser, B. Glocker, T. Eckhardt, P. Kempenaer, IEEE Transactions on Plasma Science, November 2006, DOI: 10.1109/TPS.2006.881281 .
https://www.researchgate.net/publication/3166544_High-Power_Pulsed_Corona_for_Treatment_of_Pollutants_in_Heterogeneous_Media

Pulsed-high-voltage-supplied variable cross-section cylindrical electrostatic precipitators for fly-ash particles, Gabriel Nicolae Popaa and Lucian Dascalescu, Particulate Science And Technology 2018, VOL. 36, NO. 8, 1029 – 1036
https://www.tandfonline.com/doi/abs/10.1080/02726351.2017.1340377?journalCode=upst20

Long-lived laser-induced arc discharges for energy channeling applications Point, G., Arantchouk, L., Thouin, E. et al.. Sci Rep 7, 13801 (2017). https://doi.org/10.1038/s41598-017-14054-z

A platform for exploding wires in different media, Ruoyu Han,Jiawei Wu, Aici Qiu, Weidong Ding, September 2017 Review of Scientific Instruments 88(10):103504, DOI: 10.1063/1.4996027 https://aip.scitation.org/doi/10.1063/1.4996027

Application of an impedance matching transformer to a plasma focus
B. L. Bures, C. James, M. Krishna, and R. Adler
Review of Scientific Instruments 82, 103506 (2011); https://doi.org/10.1063/1.3648117
https://aip.scitation.org/doi/abs/10.1063/1.3648117?journalCode=rsi

Technical Papers Referencing North Star High Voltage Probes/Dividers

Experimental verification of the vaporization's contribution to the shock waves generated by underwater Ruoyu Han, Haibin Zhou, Jiawei Wu, Thomas Clayson, Hang Ren, Jian Wu, Yongmin Zhang, and Aici Qiu, May 2017 Physics of Plasmas 24(6):063511, DOI: 10.1063/1.4985301 https://aip.scitation.org/doi/10.1063/1.4985301

Plasma Discharge in Water
Yong Yang, Alexander Fridman, Young I.Cho, Advances in Heat Transfer
Volume 42, 2010, Pages 179-292, https://doi.org/10.1016/S0065-2717(10)42003-1
https://www.sciencedirect.com/science/article/pii/S0065271710420031

A High-Voltage Test Bed for the Evaluation of High-Voltage Dividers for Pulsed Applications
Miguel Cerqueira Bastos, Maria Hammarquist, and Anders Bergman
IEEE Transactions On Instrumentation And Measurement, Vol. 60, No. 7, July 2011,
https://ieeexplore.ieee.org/abstract/document/5682402/citations#citations

Experimental study on an alternative oil stimulation technique for tight gas reservoirs based on dynamic shock waves generated by Pulsed Arc Electrohydraulic Discharges
Wen Chen, Olivier Maurel, Thierry Reess, Antoine Silvestre De Ferron, Christian La Borderie, Gilles Pijaudier-Cabot, Franck Rey-Bethbeder, AntoineJacques, Journal of Petroleum Science and Engineering, Volumes 88 – 89, June 2012, Pages 67-74,
https://doi.org/10.1016/j.petrol.2012.01.009

Direct observation of vacuum arc evolution with nanosecond resolution
Zhipeng Zhou, Andreas Kyritsakis, Zhenxing WangNovember 2019 Scientific Reports 9(1)
DOI: 10.1038/s41598-019-44191-6t