Weihua Jiang

List of Publications by Year
in descending order

189 papers	2,178 citations	218677 26 h-index	265206 42 g-index
193 all docs	193 docs citations	193 times ranked	1360 citing authors

#	Article	IF	Citations
1	Solid-State Marx Generator With Sharpening Capacitor. IEEE Transactions on Plasma Science, 2022, 50, 103-108.	1.3	2
2	The Effect of Pulse Discharge Control on Ozone Production. IEEE Transactions on Plasma Science, 2022, 50, 936-941.	1.3	2
3	Measurement and Behavior Analysis of Beam Current Modulation in a Virtual Cathode Oscillator. IEEE Transactions on Plasma Science, 2021, 49, 3365-3370.	1.3	3
4	Solid-State Pulsed Power Generator Based on Blumlein PFN Using Saturable Pulse Transformer. IEEE Transactions on Plasma Science, 2021, 49, 3189-3192.	1.3	4
5	On Pulsed Power Rise Time Dominated by Circuit Inductance. IEEE Transactions on Plasma Science, 2021, 49, 830-834.	1.3	4
6	Feedback control of pulsed-power generator based on solid-state linear transformer driver. Review of Scientific Instruments, 2021, 92, 084704.	1.3	2
7	Solid-State Bipolar Linear Transformer Driver Using Inductive Energy Storage. IEEE Transactions on Plasma Science, 2021, 49, 2887-2892.	1.3	6
8	Solid-State Marx Generator Circuit Based on Inductive Energy Storage. IEEE Transactions on Plasma Science, 2021, 49, 3377-3382.	1.3	2
9	Solid-State Marx Generator Circuit With Inductive Booster. IEEE Transactions on Plasma Science, 2021, 49, 378-382.	1.3	11
10	PIC Simulation of the Coherent Cerenkovâ€“ Cyclotron Radiation Excited by a High-Power Electron Beam in a Crossed-Elliptical Metamaterial Oscillator at S-Band. IEEE Transactions on Plasma Science, 2021, 49, 3351-3357.	1.3	3
11	Step-Down DC-DC Converter for Solid-State Marx Generator. IEEE Transactions on Plasma Science, 2021, 49, 3149-3153.	1.3	0
12	On Pulsed Power Generation Using Hybrid Energy Storage. IEEE Transactions on Plasma Science, 2021, 49, 3644-3651.	1.3	2
13	Direct-Drive Oscillation of KrF Excimer Laser Using Pulsed Power Generator Based on LTD. IEEE Transactions on Plasma Science, 2021, 49, 3892-3896.	1.3	1
14	Solid-State Linear Transformer Driver Using Inductive Energy Storage. IEEE Transactions on Plasma Science, 2020, 48, 3188-3192.	1.3	4
15	Electron temperature and soft x-ray intensity scaling in laser heavy element plasma interaction. AIP Advances, 2020, 10, 065306.	1.3	5
16	Highâ€power microwave generation by doubleâ€anode virtual cathode oscillator. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2020, 210, 11-18.	0.4	5
17	Operating characteristics of a clamp klystron oscillator with a sloping cavity at W-band. AIP Advances, 2020, 10, .	1.3	0
18	Solid-State Marx Generator for Application to Dielectric Barrier Discharge. IEEJ Transactions on Fundamentals and Materials, 2020, 140, 36-39.	0.2	5

#	Article	IF	Citations
19	Dispersion Relationship of a Split Ring Re Sonator Metamaterial Arranged in a Circular Waveguide. , 2020, , .		0
20	Solid State Marx Generator Using Both Capacitive and Inductive Energy Storage. , 2020, , .		0
21	PIC Simulations of an S-Band Surface Wave Microwave Oscillator Using a Two-Spiral Metamaterial Structure. , 2020, , .		0
22	The Effect of Oxygen and Argon Gas Flow Rate on OH Radical Production and Dye Decolorization by Pulsed Discharge in Spray Droplet Reactor. IEEE Transactions on Plasma Science, 2019, 47, 4560-4566.	1.3	4
23	Optimized highly charged ion production for strong soft x-ray sources obeying a quasi-Moseleyâ€™s law. AIP Advances, 2019, 9, .	1.3	6
24	Amplification of Nanosecond Pulsed Power by Synchronization of Double Inductive Energy Storage Circuit. IEEE Transactions on Plasma Science, 2019, 47, 4506-4511.	1.3	2
25	Development of Solid-State LTD Module Using Silicon Carbide MOSFETs. IEEE Transactions on Plasma Science, 2019, 47, 5037-5041.	1.3	3
26	A â€œcrab-likeâ€•A6 relativistic magnetron with diffraction output driven by a transparent cathode. Physics of Plasmas, 2019, 26, .	1.9	4
27	High Power Microwave Generation by Double-Anode Virtual Cathode Oscillator. IEEJ Transactions on Fundamentals and Materials, 2019, 139, 421-427.	0.2	1
28	Effects of Pulsed Power Control on Plasma Water Treatment Using LTD. IEEE Transactions on Plasma Science, 2018, 46, 3566-3573.	1.3	17
29	Pulsed Voltage Adder Topology Based on Inductive Blumlein Lines. IEEE Transactions on Plasma Science, 2018, 46, 1816-1820.	1.3	12
30	Marx Generators Based on MOS-Gated Switches With Magnetic Assist for Accelerator Applications. IEEE Transactions on Plasma Science, 2018, 46, 2114-2119.	1.3	4
31	Review of solid-state linear transformer driver technology. Matter and Radiation at Extremes, 2018, 3, 159-164.	3.9	20
32	High current pulse forming network switched by static induction thyristor. Matter and Radiation at Extremes, 2018, 3, 261-266.	3.9	3
33	Characteristics of soft x-ray and extreme ultraviolet (XUV) emission from laser-produced highly charged rhodium ions. Journal of Applied Physics, 2018, 123, 183301.	2.5	1
34	Waveform Control of Pulsed-Power Generator Based on Solid-State LTD. IEEE Transactions on Plasma Science, 2017, 45, 247-251.	1.3	26
35	Voltage adding of pulse forming lines using inductive energy storage. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 2211-2215.	2.9	3
36	Study of Pulsed Atmospheric Discharge Using Solid-State LTD. IEEE Transactions on Plasma Science, 2017, 45, 2323-2327.	1.3	22

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37	Input Energy Control Using Electron Beam Diode as Impedance Controller to Study Warm Dense Matter by Pulsed Power Discharge with Isochoric Heating. Plasma and Fusion Research, 2017, 12, 1204024-1204024.	0.7	0
38	Investigation of the operating characteristics of a 12 stepped-cavity relativistic magnetron with axial extraction driven by an â€œFâ€•transparent cathode using particle-in-cell simulations. Physics of Plasmas, 2016, 23, .	1.9	6
39	Texture-controlled hybrid materials fabricated using nanosecond technology. Journal of the Ceramic Society of Japan, 2016, 124, 197-202.	1.1	5
40	The Effect of Scale-Up of Pulsed Corona Discharge for Treatment of Pollution Water Sprayed in Discharge Gap. IEEE Transactions on Plasma Science, 2016, 44, 2204-2210.	1.3	12
41	Operation Characteristics of a 12-Cavity Relativistic Magnetron When Considering Secondary and Backscattered Electronsâ€™ Emission. IEEE Transactions on Plasma Science, 2015, 43, 1855-1861.	1.3	11
42	Synthesis of molten-metal corrosion resistant yttria-based refractory by hot-pressing and densification. Journal of the European Ceramic Society, 2015, 35, 2651-2662.	5.7	15
43	The Effect of Flow Rate and Size of Water Droplets on the Water Treatment by Pulsed Discharge in Air. IEEE Transactions on Plasma Science, 2015, 43, 3493-3499.	1.3	6
44	High power microwave generation by virtual cathode oscillator. , 2014, , .		1
45	Tuning extreme ultraviolet emission for optimum coupling with multilayer mirrors for future lithography through control of ionic charge states. Journal of Applied Physics, 2014, 115, 033302.	2.5	22
46	Pulsed Power Generation by Solid-State LTD. IEEE Transactions on Plasma Science, 2014, 42, 3603-3608.	1.3	70
47	Quasi-Moseley's law for strong narrow bandwidth soft x-ray sources containing higher charge-state ions. Applied Physics Letters, 2014, 104, .	3.3	43
48	Investigation for Optimization of an Inductive Energy Storage Circuit for Electrical Discharge Water Treatment. IEEE Transactions on Plasma Science, 2014, 42, 3101-3108.	1.3	12
49	Investigation of a 12-cavity rising-sun relativistic magnetron with diffraction output using particle-in-cell simulation. , 2014, , .		1
50	Oxidation of nanodiamonds and modulation of their assembly in polymer-based nanohybrids by field-inducement. Journal of Materials Science, 2013, 48, 4151-4162.	3.7	10
51	â€œWater windowâ€•sources: Selection based on the interplay of spectral properties and multilayer reflection bandwidth. Applied Physics Letters, 2013, 102, .	3.3	18
52	Smart pulsed power by solid-state LTD. , 2013, , .		0
53	Guest Editorial Special Issue for Selected Papers From EAPPC/BEAMS 2012. IEEE Transactions on Plasma Science, 2013, 41, 2579-2579.	1.3	0
54	Solid-state high-voltage switching unit for accelerator applications. , 2013, , .		1

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55	Investigation for development of high efficiency water treatment system using pulsed streamer discharge. , 2013, , .		0
56	Evolution of the exploding titanium wire in 5-50 kPa ambient gas. , 2012, , .		0
57	Feasibility study of broadband efficient â€œwater windowâ€•source. Applied Physics Letters, 2012, 100, .	3.3	69
58	Repetitive Linear Transformer Driver Using Power MOSFETs. IEEE Transactions on Plasma Science, 2012, 40, 2625-2628.	1.3	27
59	Three-dimensional particle-in-cell simulation of sub-terahertz high-power gyrotron. , 2012, , .		0
60	The effect of viewing angle on the spectral behavior of a Gd plasma source near 6.7â€‰nm. Applied Physics Letters, 2012, 100, 141108.	3.3	15
61	Application to water treatment of pulsed high-voltage generator using semiconductor opening switch. , 2012, , .		2
62	Investigation of Gd and Tb plasmas for beyond extreme ultraviolet lithography based on multilayer mirror performance. Applied Physics Letters, 2012, 101, .	3.3	30
63	Fieldâ€Induced Orientation of Hexagonal Boron Nitride Nanosheets Using Microscopic Mold for Thermal Interface Materials. Journal of the American Ceramic Society, 2012, 95, 369-373.	3.8	48
64	Development of a Megahertz High-Voltage Switching Pulse Modulator Using a SiC-JFET for an Induction Synchrotron. IEEE Transactions on Plasma Science, 2011, 39, 730-736.	1.3	7
65	Facile orientation of unmodified BN nanosheets in polysiloxane/BN composite films using a high magnetic field. Journal of Materials Science, 2011, 46, 2318-2323.	3.7	27
66	Extreme ultraviolet source at 6.7â€‰nm based on a low-density plasma. Applied Physics Letters, 2011, 99, .	3.3	55
67	Generation of THz radiation from a periodic electrostatic field via a relativistic ionization front. , 2011, , .		0
68	Gd plasma source modeling at 6.7â€‰nm for future lithography. Applied Physics Letters, 2011, 99, .	3.3	32
69	Over-volted breakdown and recovery of short nitrogen spark gaps. Laser and Particle Beams, 2010, 28, 443-450.	1.0	8
70	Systematic investigation of self-absorption and conversion efficiency of 6.7 nm extreme ultraviolet sources. Applied Physics Letters, 2010, 97, .	3.3	52
71	Rare-earth plasma extreme ultraviolet sources at 6.5â€“6.7 nm. Applied Physics Letters, 2010, 97, .	3.3	81
72	Overvolted breakdown and recovery of gas spark gap. , 2010, , .		1

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73	Recovery of gas density in a nitrogen gap after breakdown. Applied Physics Letters, 2010, 97, .	3.3	16
74	Special Issue on Pulsed Power Science and Technology. IEEE Transactions on Plasma Science, 2010, 38, 2506-2506.	1.3	0
75	Solid-state LTD module using MOSFETs. , 2010, , .		1
76	Peculiar Photoconductivity in High-Power Semi-Insulating GaAs Photoconductive Semiconductor Switch. IEEE Transactions on Plasma Science, 2010, 38, 3460-3463.	1.3	7
77	Solid-State LTD Module Using Power MOSFETs. IEEE Transactions on Plasma Science, 2010, 38, 2730-2733.	1.3	39
78	Timeâ€"Frequency Analysis of Virtual-Cathode Oscillator. IEEE Transactions on Plasma Science, 2010, 38, 1325-1328.	1.3	18
79	Overvolted breakdown and recovery characteristic of spark gap switch. , 2010, , .		0
80	High-power GaAS photoconductive semiconductor switches triggered with picosecond laser pulse. , 2009, , .		3
81	Evolution of the electrically exploding wire observed with a Machâ€"Zehnder interferometer. Applied Physics Letters, 2009, 94, .	3.3	24
82	High-power GaAS photoconductive semiconductor switches triggered by laser pulse with different beam profile. , 2009, , .		0
83	Circuit simulation of the behavior of exploding wires for nano-powder production. Laser and Particle Beams, 2009, 27, 49-55.	1.0	25
84	High-Power Semi-Insulating GaAs Photoconductive Semiconductor Switch Employing Extrinsic Photoconductivity. IEEE Transactions on Plasma Science, 2009, 37, 1959-1963.	1.3	16
85	Peculiar photoconductivity in nonlinear GaAs PCSS. , 2009, , .		2
86	Guest Editorial Special Issue for Selected Papers From the 17th International Conference on High-Power Particle Beams. IEEE Transactions on Plasma Science, 2009, 37, 1878-1878.	1.3	0
87	Repetitive Pulsed High-Voltage Generator Using Semiconductor Opening Switch for Atmospheric Discharge. IEEE Transactions on Plasma Science, 2008, 36, 2638-2643.	1.3	32
88	Effect of Wire Diameter on Particle Size of Metal Nanosized Powder Prepared by Pulsed Wire Discharge. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2008, 55, 192-197.	0.2	6
89	Recent Trends and Prospects of Pulsed Power Technology. IEEJ Transactions on Fundamentals and Materials, 2008, 128, 14-16.	0.2	2
90	Efficiency and extraction optimization of relativistic magnetron. , 2007, , .		0

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91	Recent Progress in Pulse Power Technology and its Applications. IEEJ Transactions on Fundamentals and Materials, 2007, 127, 669-674.	0.2	6
92	Fast High Voltage Switching Using Stacked MOSFETs. IEEE Transactions on Dielectrics and Electrical Insulation, 2007, 14, 947-950.	2.9	24
93	Large Orbit Gyrotron Using Pulsed Relativistic Electron Beam. , 2007, , .		0
94	EDITORIAL - Power Modulators and Repetitive Pulsed Power. IEEE Transactions on Dielectrics and Electrical Insulation, 2007, 14, 766-773.	2.9	36
95	Repetitive Pulsed High Voltage Generation Using Inductive Energy Storage with Static-induction Thyristor as Opening Switch. IEEE Transactions on Dielectrics and Electrical Insulation, 2007, 14, 941-946.	2.9	27
96	Synthesis of Al2O3 Nanosized Powder by Pulsed Wire Discharge Using Gas Puff. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2007, 54, 180-185.	0.2	4
97	Characterization of Pulsed High-Current Generator for Extreme Ultraviolet Generation. IEEJ Transactions on Fundamentals and Materials, 2007, 127, 151-155.	0.2	0
98	Synthesis of$hboxAl_2hboxO_3$â€“$hboxZrO_2$Nanocomposite Powders by Pulsed Wire Discharge. IEEE Transactions on Plasma Science, 2006, 34, 1190-1194.	1.3	10
99	Development of an Ultra High Frequency Gyrotron with a Pulsed Magnet. AIP Conference Proceedings, 2006, , .	0.4	0
100	Synthesis of ZnFe2O4 nanosized powders by pulsed wire discharge. Powder Metallurgy and Metal Ceramics, 2006, 45, 297-300.	0.8	0
101	Magnetic and Gas Sensing Property of Nanosized NiFe2O4 Powders Synthesized by Pulsed Wire Discharge. Journal of Nanoparticle Research, 2006, 8, 29-35.	1.9	60
102	Performance and Controllability of Pulsed Ion Beam Ablation Propulsion. AIP Conference Proceedings, 2006, , .	0.4	0
103	Production and Characterization of Nano Copper Powder Using Pulsed Power Technique. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2006, 36, 127-130.	0.6	5
104	Nanosized Ferrite Particles Synthesized by Pulsed Wire Discharge. IEEJ Transactions on Fundamentals and Materials, 2006, 126, 51-54.	0.2	0
105	Formation and Expansion of Ablation Plasmas Produced by Pulsed Ion Beams for Thin Films Production. IEEJ Transactions on Fundamentals and Materials, 2006, 126, 45-50.	0.2	0
106	Effects of He Ambient on Formation of Si Particles Using Pulsed Ion-Beam Evaporation. IEEJ Transactions on Fundamentals and Materials, 2006, 126, 915-918.	0.2	0
107	Effect of Ambient Gas Temperature on Synthesis of Fe-N Nanosized Powders by Pulsed Wire Discharge. IEEJ Transactions on Fundamentals and Materials, 2006, 126, 55-59.	0.2	0
108	Particle Size Distribution of Copper Nanosized Powders Prepared by Pulsed Wire Discharge. IEEJ Transactions on Fundamentals and Materials, 2005, 125, 39-44.	0.2	34

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109	Nanosized Powder Synthesis by Pulsed Wire Discharge in High-Speed Gas Flow. IEEJ Transactions on Fundamentals and Materials, 2005, 125, 727-732.	0.2	3
110	Novel Method to Synthesize Nanosized ZnFe2O4 Powders. Journal of the Ceramic Society of Japan, 2005, 113, 663-665.	1.3	4
111	Thermoelectric properties of boron-carbide thin film and thin film based thermoelectric device fabricated by intense-pulsed ion beam evaporation. Science and Technology of Advanced Materials, 2005, 6, 181-184.	6.1	34
112	Synthesis of Light-emitting Silicon Nanoparticles by Intense Pulsed ion-beam Esvaporation. Journal of Nanoparticle Research, 2005, 7, 669-673.	1.9	7
113	Pulsed High-Current Generator for EUV Source Development. IEEJ Transactions on Fundamentals and Materials, 2005, 125, 25-29.	0.2	4
114	Blue Light Emission from Ultrafine Nanosized Powder of Silicon Produced by Intense Pulsed Ion-Beam Evaporation. Japanese Journal of Applied Physics, 2005, 44, L92-L94.	1.5	1
115	Numerical Simulations of an X-Band Antenna-Amplifier: Investigations of Gain, Bandwidth, and Drive Frequency Harmonics Generation. IEEE International Conference on Plasma Science, 2005, , .	0.0	0
116	Preparation of Ti-Fe Hydrogen Storage Alloy Thin Films by Pulsed Laser Deposition. IEEJ Transactions on Fundamentals and Materials, 2004, 124, 769-772.	0.2	0
117	Flyer Acceleration by Pulsed Ion Beam Ablation and Application for Space Propulsion. AIP Conference Proceedings, 2004, , .	0.4	0
118	Room temperature preparation of activated and crystallized p-type Si1â^'xGex thin film on glass substrate by intense, pulsed, ion beam evaporation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2004, 22, 2398-2401.	2.1	4
119	Enhancement of Energy Deposition in Pulsed Wire Discharge for Synthesis of Nanosized Powders. IEEE Transactions on Plasma Science, 2004, 32, 2062-2067.	1.3	64
120	Novel Critical Temperature Resistor of Sintered Niâ€"Feâ€"O Nanosized Powders. Journal of Materials Research, 2004, 19, 1011-1014.	2.6	18
121	Electron Gun for Powerful Large Orbit Gyrotron. Journal of Infrared, Millimeter and Terahertz Waves, 2004, 25, 3-14.	0.6	7
122	Compact solid-State switched pulsed power and its applications. Proceedings of the IEEE, 2004, 92, 1180-1196.	21.3	206
123	Experimental and Simulation Studies of New Configuration of Virtual Cathode Oscillator. IEEE Transactions on Plasma Science, 2004, 32, 54-59.	1.3	40
124	Materials modification using intense ion beams. Proceedings of the IEEE, 2004, 92, 1057-1081.	21.3	90
125	Particle Size Distribution of SnO2 Nano-Particles Synthesized by Pulsed Wire Discharge. Journal of the Ceramic Society of Japan, 2004, 112, 355-362.	1.3	17
126	Modification of Graphite Surface by Intense Pulsed Ion-beam Irradiation. IEEJ Transactions on Fundamentals and Materials, 2004, 124, 47-51.	0.2	2

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127	Preparation of Hf-Si-O Thin Films by Simultaneous Deposition and Reaction Process using Pulsed Ion-Beam Evaporation. IEEJ Transactions on Fundamentals and Materials, 2004, 124, 255-259.	0.2	1
128	Oxidation Resistance of Cr-N-O Thin Films Prepared by Pulsed Laser Deposition. IEEJ Transactions on Fundamentals and Materials, 2004, 124, 496-500.	0.2	8
129	Nanosize Powders of Aluminum Nitride Synthesized by Pulsed Wire Discharge. Journal of the American Ceramic Society, 2003, 86, 420-424.	3.8	59
130	Increase in Phase Transition Temperature of Activated Alumina with Nanoâ€Zirconia Synthesized by Pulsed Wire Discharge. Journal of the American Ceramic Society, 2003, 86, 1522-1526.	3.8	8
131	Synthesis and High Temperature Thermoelectric Properties of Alkaline-Earth Metal Hexaborides MB₆ (M=Ca, Sr, Ba). Materials Research Society Symposia Proceedings, 2003, 793, 20.	0.1	5
132	Mechanism of hardening in Crâ€“Alâ€“Nâ€“O thin films prepared by pulsed laser deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 947-954.	2.1	22
133	Nanosized Powder Preparation by Pulsed Wire Discharge. The Proceedings of the Materials and Processing Conference, 2003, 2003.11, 379-380.	0.0	0
134	Synthesis of Novel Materials using Pulsed Power Technology. IEEJ Transactions on Fundamentals and Materials, 2003, 123, 823-826.	0.2	0
135	Characterization of epitaxially grown YBa/sub 2/Cu/sub 3/O/sub 7-Î´/ thin films produced using pulsed ion-beam evaporation. IEEE Transactions on Plasma Science, 2002, 30, 1848-1851.	1.3	2
136	Characteristics of Cr-Al-N-O Thin Films Prepared by Pulsed Laser Deposition. AIP Conference Proceedings, 2002, , .	0.4	0
137	Repetitive pulsed-power generator "ETIGO-IV". IEEE Transactions on Plasma Science, 2002, 30, 1637-1641.	1.3	41
138	Synthesis of nanosize PZT powders by pulsed wire discharge. IEEE Transactions on Plasma Science, 2002, 30, 1858-1862.	1.3	13
139	Preparation of polycrystalline silicon thin films by pulsed ion-beam evaporation. IEEE Transactions on Plasma Science, 2002, 30, 1816-1819.	1.3	8
140	Removal of NOx by Pulsed, Intense Relativistic Electron Beam in Distant Gas Chamber. AIP Conference Proceedings, 2002, , .	0.4	0
141	Thermoelectric Properties of B12+xC3-x Thin Films Prepared by Pulsed Ion-Beam Evaporation. Materials Research Society Symposia Proceedings, 2001, 697, 8261.	0.1	0
142	Novel Preparation Method of Thin Films by Ablation Plasma produced by Intense Pulsed Ion Beam Evaporation. Materials Research Society Symposia Proceedings, 2001, 697, 491.	0.1	0
143	Characteristics of Polycrystalline Silicon thin Films Prepared by Pulsed Ion-Beam Evaporation. Materials Research Society Symposia Proceedings, 2001, 697, 5151.	0.1	0
144	Preparation of TiFe thin Films by Pulsed Ion Beam Evaporation. Materials Research Society Symposia Proceedings, 2001, 697, 5171.	0.1	1

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145	Nano-Particulate of Aluminum Nitride Prepared by Pulsed Wire Discharge. Materials Research Society Symposia Proceedings, 2001, 704, 541.	0.1	0
146	Characteristics of Cr-Al-N-O Thin Films Prepared by Pulsed Laser Deposition. Materials Research Society Symposia Proceedings, 2001, 697, 771.	0.1	0
147	Ceramic Membrane Filter Using Ultrafine Powders. Journal of the American Ceramic Society, 2001, 84, 2144-2146.	3.8	9
148	Thin-film deposition of (Ba/sub x/Sr/sub 1-x/)TiO/sub 3/ by pulsed ion beam evaporation. IEEE Transactions on Plasma Science, 2000, 28, 1545-1548.	1.3	5
149	Diagnostics of ablation plasma generated by intense, pulsed ion beam. IEEE Transactions on Plasma Science, 2000, 28, 1549-1551.	1.3	4
150	Synthesis of Ultrafine Î³-Al2O3 Powders by Pulsed Laser Ablation. Journal of Nanoparticle Research, 2000, 2, 75-83.	1.9	37
151	Synthesis of Nanosized Aluminum Nitride Powders by Pulsed Laser Ablation. Journal of the American Ceramic Society, 2000, 83, 2631-2633.	3.8	29
152	Development and Applications of Pulsed Electromagnetic Technology.. IEEJ Transactions on Fundamentals and Materials, 2000, 120, 7-11.	0.2	1
153	Numerical and experimental studies on synthesis of ultrafine nanosize powders of AlN by ion beam evaporation. Journal of Applied Physics, 1999, 86, 5279-5285.	2.5	33
154	Evaluation of focusing characteristics of spherical plasma focus diode. Laser and Particle Beams, 1998, 16, 177-183.	1.0	0
155	Three-dimensional, tight focusing of intense pulsed light-ion beam by spherical plasma focus diode. Laser and Particle Beams, 1995, 13, 343-350.	1.0	19
156	New configuration of a virtual cathode oscillator for microwave generation. Physics of Plasmas, 1995, 2, 4635-4640.	1.9	16
157	Mechanism of microwave generation by virtual cathode oscillation. Physics of Plasmas, 1995, 2, 982-986.	1.9	46
158	Diagnostics of ablation plasma generated by intense, pulsed ion beam. , 0, , .		1
159	Foil acceleration by pulsed ion beam ablation plasma and its applications. , 0, , .		0
160	Repetitive pulsed-power generator "ETIGO-IV". , 0, , .		0
161	Foil acceleration of double layer target by intense, pulsed, ion-beam ablation. , 0, , .		0
162	PZT nanosize powders synthesized by pulsed wire discharge. , 0, , .		0

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163	Flue gas treatment of nitrogen oxides by pulsed relativistic electron beam. , 0, , .		1
164	Preparation of epitaxial YBa/sub 2/Cu/sub 3/O/sub 7-Î´/ thin films by pulsed ion-beam evaporation. , 0, , .		0
165	Pulsed ion-beam evaporation for material applications. , 0, , .		2
166	Characteristics of Cr-Al-N films prepared by pulsed laser deposition. , 0, , .		0
167	Preparation of polycrystalline silicon thin films by pulsed ion-beam evaporation. , 0, , .		0
168	Flue gas treatment by pulsed power. , 0, , .		0
169	Pulsed ion beam evaporation at low temperature for the preparation of thin films. , 0, , .		0
170	High-power microwave generation by virtual cathode oscillator. , 0, , .		0
171	MHz pulsed power generator using MOSFET. , 0, , .		13
172	Repetitive pulsed wire discharge for applications to material science. , 0, , .		2
173	High repetition-rate, low jitter pulsed power generator for excimer laser applications. , 0, , .		3
174	Compact pulsed power generators for industrial applications. , 0, , .		1
175	Compact pulsed power generators for industrial applications. , 0, , .		3
176	Experimental and numerical studies of virtual cathode oscillator. , 0, , .		1
177	Pulsed-power applications to materials science. , 0, , .		5
178	Enhancement of energy deposition in the pulsed wire discharge for the synthesis of nanosized powders. , 0, , .		1
179	High power microwave generation by virtual cathode oscillator. , 0, , .		0
180	Blue light emission from silicon nanosized powders prepared by ion-beam evaporation. , 0, , .		0

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181	Industrial applications of pulsed wire discharge. , 0, , .		0
182	Nanosize powder synthesis by pulsed wire discharge with assistance of high-speed gas puff. , 0, , .		0
183	High-power microwave generation by virtual cathode oscillator. , 0, , .		0
184	Powerful large orbit gyrotron of submillimeter wavelength range. , 0, , .		0
185	Development of a short pulse, high power, large orbit gyrotron using a high voltage pulse supply ETIGO-IV. , 0, , .		0
186	High-power, short-pulse, large orbit gyrotron using a pulsed power generator "ETIGO-IV". , 0, , .		0
187	Development of an X-band Antenna-Amplifier: Numerical Simulations and Plasma-Related Investigations. , 0, , .		2
188	Systematic investigation of self-absorption and conversion efficiency of 6.7 nm extreme ultraviolet sources. , 0, .		1
189	Quick preparation of thin films and nanosize powders by high-density ablation plasma produced by intense pulsed ion beam. , 0, , .		0