

# Paul Lee Choon Keat

## List of Publications by Year in descending order

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176  
papers

5,488  
citations

81900

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98798

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176  
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176  
docs citations

176  
times ranked

3055  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma focus neutron energy and anisotropy measurements using zirconiumâ€”berylliumâ€” pair activation detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 988, 164830.	1.6	5
2	Plasma processed tungsten for fusion reactor first-wall material. Journal of Materials Science, 2021, 56, 10494-10509.	3.7	7
3	Broad-energy oxygen ion implantation controlled magnetization dynamics in CoFeTaZr. Journal of Alloys and Compounds, 2021, 872, 159685.	5.5	4
4	Plasma Assisted Hydrogen Functionalization of Graphene/Si For Photodetection. , 2020, , .		0
5	Effect of Oxygen Plasma on Magnetolectric Properties of NiFe <sub>2</sub> O <sub>4</sub> /PVDF Composites. , 2020, , .		0
6	Characteristics of Fast ion beam in Neon and Argon filled plasma focus correlated with Lee Model Code. Vacuum, 2019, 169, 108916.	3.5	9
7	Correlation of Characteristic Ne SXR Signal Pulse With Computed Plasma Focus Dynamics in the Ne (97.5%)â€”Kr (2.5%) Admixtures of the INTI PF Machine at 12 kV. IEEE Transactions on Plasma Science, 2019, 47, 1297-1301.	1.3	3
8	Design of a Pixelated Imaging System for Fast Neutron Sources. Designs, 2019, 3, 25.	2.4	0
9	Comparative numerical study of the dynamics, ion beam and flow energetics of fast and slow focus modes in a 2â€”kJ plasma focus operated in various gases. Vacuum, 2019, 165, 337-342.	3.5	5
10	Plasma focus neutron anisotropy measurements and influence of a deuteron beam obstacle. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 848, 60-65.	1.6	5
11	PMT-scintillator system set up for D-D neutron TOF measurements in INTI plasma focus device. AIP Conference Proceedings, 2017, , .	0.4	2
12	Fast Faraday cup for fast ion beam TOF measurements in deuterium filled plasma focus device and correlation with Lee model. Physics of Plasmas, 2017, 24, .	1.9	13
13	Which bulb is brighter? It depends on connection! Strategies for illuminating electrical concepts using light bulbs. Physics Education, 2017, 52, 065008.	0.5	2
14	Damage Study of Irradiated Tungsten using fast focus mode of a 2.2â€”kJ plasma focus. Vacuum, 2017, 144, 14-20.	3.5	22
15	Ferromagnetic signature in vanadium doped ZnO thin films grown by pulsed laser deposition. Journal of Materials Research, 2016, 31, 3223-3229.	2.6	9
16	Detection of pulsed neutrons with solid-state electronics. International Journal of Modern Physics Conference Series, 2016, 44, 1660229.	0.7	1
17	Temperature-dependent stoichiometric alteration in ZnO:Mn nanostructured thin films for enhanced ferromagnetic response. Applied Surface Science, 2016, 387, 461-468.	6.1	9
18	Influence of Krypton Seeding on DD Fusion Neutron Production: Evaluation Methodology for Plasma Focus Optimization. Journal of Fusion Energy, 2016, 35, 370-377.	1.2	8

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19	Note: A novel trigger generator for a pseudospark switch. Review of Scientific Instruments, 2015, 86, 016108.	1.3	3
20	Maximizing kinetic energy transfer in one-dimensional many-body collisions. European Journal of Physics, 2015, 36, 025013.	0.6	8
21	Neutron Yield Scaling With Inductance in Plasma Focus. IEEE Transactions on Plasma Science, 2015, 43, 2155-2159.	1.3	8
22	Synthesis of nano-structure tungsten nitride thin films on silicon using Mather-type plasma focus. Radiation Effects and Defects in Solids, 2015, 170, 557-566.	1.2	4
23	External circuit integration with electromagnetic particle in cell modeling of plasma focus devices. Physics of Plasmas, 2015, 22, 033514.	1.9	3
24	Laser Shadowgraphic Study of the Influence of Krypton-Seeding, Switch Synchronization and Electrode Geometry on Plasma Dynamic in Plasma Focus Device. Journal of Fusion Energy, 2015, 34, 794-801.	1.2	5
25	Comparison of Measured Neutron Yield Versus Pressure Curves for FMPF-3, NX2 and NX3 Plasma Focus Machines Against Computed Results Using the Lee Model Code. Journal of Fusion Energy, 2015, 34, 474-479.	1.2	21
26	X-ray lithography of SU8 photoresist using fast miniature plasma focus device and its characterization using FTIR spectroscopy. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 560-569.	2.1	5
27	Study of Structural and Mechanical Properties of WN/a-Si3N4 Hard Coatings Grown by Plasma Focus. Journal of Fusion Energy, 2015, 34, 435-442.	1.2	9
28	Current sheath formation dynamics and structure for different insulator lengths of plasma focus device. Physics of Plasmas, 2014, 21, 113508.	1.9	6
29	A model code for the radiative theta pinch. Physics of Plasmas, 2014, 21, .	1.9	5
30	Low-energy repetitive plasma focus based neon soft x-ray lithography source. Proceedings of SPIE, 2014, , .	0.8	0
31	Structural, elemental, optical and magnetic study of Fe doped ZnO and impurity phase formation. Progress in Natural Science: Materials International, 2014, 24, 142-149.	4.4	87
32	Tailoring out-of-plane magnetic properties of pulsed laser deposited FePt thin films by changing laser energy fluence. Applied Surface Science, 2014, 315, 37-44.	6.1	3
33	Potential medical applications of the plasma focus in the radioisotope production for PET imaging. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2168-2170.	2.1	13
34	High Performance High Repetition Rate Miniature Plasma Focus Device: Record Time Averaged Neutron Yield at 200Å with Enhanced Reproducibility. Journal of Fusion Energy, 2013, 32, 2-10.	1.2	28
35	Magnetic Reynolds Number and Neon Current Sheet Structure in the Axial Phase of a Plasma Focus. Journal of Fusion Energy, 2013, 32, 50-55.	1.2	13
36	Exciting Dilute Magnetic Semiconductor: Copper-Doped ZnO. Journal of Superconductivity and Novel Magnetism, 2013, 26, 187-195.	1.8	26

#	ARTICLE	IF	CITATIONS
37	Optimization of neon soft X-rays emission from 200 J fast miniature dense plasma focus device: A potential source for soft X-ray lithography. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 1290-1296.	2.1	26
38	Magnetic Probe Measurements in INTI Plasma Focus to Determine Dependence of Axial Speed with Pressure in Neon. <i>Journal of Fusion Energy</i> , 2012, 31, 411-417.	1.2	23
39	Coded aperture imaging of alpha source spatial distribution. <i>Radiation Measurements</i> , 2012, 47, 992-999.	1.4	5
40	Coded aperture imaging of fusion source in a plasma focus operated with pure D2 and a D2-Kr gas admixture. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	12
41	Alteration of Mn exchange coupling by oxygen interstitials in ZnO:Mn thin films. <i>Applied Surface Science</i> , 2012, 258, 6373-6378.	6.1	53
42	Effects of laser energy fluence on the onset and growth of the Rayleigh-Taylor instabilities and its influence on the topography of the Fe thin film grown in pulsed laser deposition facility. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	9
43	Imaging of Plasma Focus Fusion by Proton Coded Aperture Technique. <i>Journal of Fusion Energy</i> , 2012, 31, 234-241.	1.2	12
44	Measurement and Processing of Fast Pulsed Discharge Current in Plasma Focus Machines. <i>Journal of Fusion Energy</i> , 2012, 31, 198-204.	1.2	35
45	Oxygen rich <i>p</i> -type ZnO thin films using wet chemical route with enhanced carrier concentration by temperature-dependent tuning of acceptor defects. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	89
46	Quenching of surface traps in Mn doped ZnO thin films for enhanced optical transparency. <i>Applied Surface Science</i> , 2011, 258, 890-897.	6.1	65
47	Correlation of Measured Soft X-Ray Pulses With Modeled Dynamics of the Plasma Focus. <i>IEEE Transactions on Plasma Science</i> , 2011, 39, 3196-3202.	1.3	26
48	Beryllium neutron activation detector for pulsed DD fusion sources. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 659, 361-367.	1.6	14
49	Nitrogen doping in pulsed laser deposited ZnO thin films using dense plasma focus. <i>Applied Surface Science</i> , 2011, 257, 1979-1985.	6.1	26
50	Filamentary Structure of Current Sheath in Miniature Plasma Focus. <i>IEEE Transactions on Plasma Science</i> , 2011, 39, 2432-2433.	1.3	7
51	Ferromagnetism in ZnCoO thin films deposited by PLD. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 101, 717-722.	2.3	13
52	Oriented growth of CoPt nanoparticles by pulsed laser deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 101, 609-613.	2.3	8
53	Material ablation and plasma plume expansion study from Fe and Graphite targets in Ar gas atmosphere. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 101, 695-699.	2.3	11
54	Plasma dynamics and determination of ablation parameters using the near-target magnified imaging during pulsed laser ablation. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 101, 701-705.	2.3	5

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55	Radiation Emission Correlated with the Evolution of Current Sheath from a Deuterium Plasma Focus. Journal of Fusion Energy, 2010, 29, 295-304.	1.2	6
56	Miniature plasma focus as a novel device for synthesis of soft magnetic FeCo thin films. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 1043-1048.	2.1	23
57	Structural, compositional and magnetic characterization of bulk V2O5 doped ZnO system. Applied Surface Science, 2010, 256, 2309-2314.	6.1	54
58	Miniature Plasma Focus Device as a Compact Hard X-Ray Source for Fast Radiography Applications. IEEE Transactions on Plasma Science, 2010, 38, 652-657.	1.3	22
59	Magnetic spectrometry of high energy deuteron beams from pulsed plasma system. Plasma Physics and Controlled Fusion, 2010, 52, 085007.	2.1	23
60	Direct Synthesis of L10-Phase Nanostructured CoPt Using Dense Plasma Focus Device Operating in Non-optimized Focus Mode. Materials Research Society Symposia Proceedings, 2010, 1250, 1.	0.1	0
61	Correlation Analysis of Intense and High-Energy Deuteron Beam, Pinch Images, and Neutron Yield. IEEE Transactions on Plasma Science, 2010, 38, 2434-2438.	1.3	4
62	Absolute measurements of fast neutrons using yttrium. Review of Scientific Instruments, 2010, 81, 083506.	1.3	5
63	On The Conceptual Understanding Of "Work Done"™ For Secondary One Students In Singapore. , 2010, , .		1
64	Ferromagnetic Cu and Al doped ZnO thin films by PLD. Journal of Physics: Conference Series, 2010, 200, 072045.	0.4	5
65	On the Conceptual Understanding of the Photoelectric Effect. , 2010, , .		2
66	Short-Lived PET Radioisotope Production in a Small Plasma Focus Device. IEEE Transactions on Plasma Science, 2010, 38, 3393-3397.	1.3	27
67	On the plume splitting of pulsed laser ablated Fe and Al plasmas. Physics of Plasmas, 2010, 17, .	1.9	38
68	Electronic, structural and magnetic characterization of bulk (ZnO) <sub>1-x</sub> (MnO <sub>2</sub> ) <sub>x</sub> system and their PLD synthesized thin films at room temperature. Journal of Physics: Conference Series, 2010, 200, 072044.	0.4	3
69	A datalogger demonstration of electromagnetic induction with a falling, oscillating and swinging magnet. Physics Education, 2010, 45, 394-401.	0.5	9
70	Investigation of plume expansion dynamics and estimation of ablation parameters of laser ablated Fe plasma. Journal Physics D: Applied Physics, 2009, 42, 135504.	2.8	21
71	Realization of enhancement in time averaged neutron yield by using repetitive miniature plasma focus device as pulsed neutron source. Journal Physics D: Applied Physics, 2009, 42, 235203.	2.8	17
72	Numerical experiments on plasma focus neon soft x-ray scaling. Plasma Physics and Controlled Fusion, 2009, 51, 105013.	2.1	53

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73	Intense deuteron beam investigation by activation yield-ratio technique. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 3771-3774.	2.1	7
74	X-ray Emission from Plasma Focus: Envisioned by Various Competitive Detectors. Journal of Fusion Energy, 2009, 28, 124-129.	1.2	2
75	Nanostructuring of FePt thin films by plasma focus device: pulsed ion irradiation dependent phase transition and magnetic properties. Applied Physics A: Materials Science and Processing, 2009, 96, 1027-1033.	2.3	19
76	Dense plasma focus ion-based titanium nitride coating on titanium. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 1911-1917.	1.4	32
77	Lowering of L10 phase transition temperature of FePt thin films by single shot H+ ion exposure using plasma focus device. Thin Solid Films, 2009, 517, 2753-2757.	1.8	27
78	Nuclear activation measurements of High energy deuterons from a small plasma focus. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 851-855.	2.1	25
79	Self-organized transformation to polyaniline nanowires by pulsed energetic electron irradiation in a plasma focus device. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 1962-1966.	2.1	18
80	Effect of cathode structure on neutron yield performance of a miniature plasma focus device. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 2568-2571.	2.1	30
81	Ferrofluidic masking of solid state nuclear track detectors during etching. Radiation Measurements, 2009, 44, 173-175.	1.4	4
82	Effects of target-substrate geometry and ambient gas pressure on FePt nanoparticles synthesized by pulsed laser deposition. Applied Surface Science, 2009, 255, 4372-4377.	6.1	23
83	Investigation of impurity phase formation for (ZnO) $_{1-x}$ (TMO) $_x$ bulk samples formed by ball milling. Applied Surface Science, 2009, 255, 4814-4820.	6.1	15
84	Experimental study of neutron emission characteristics in a compact sub-kilojoule range miniature plasma focus device. Plasma Physics and Controlled Fusion, 2009, 51, 075008.	2.1	33
85	Optimizing UNU/ICTP PFF Plasma Focus for Neon Soft X-ray Operation. IEEE Transactions on Plasma Science, 2009, 37, 1276-1282.	1.3	71
86	Nanostructured magnetic CoPt thin films synthesis using dense plasma focus device operating at sub-kilojoule range. Journal Physics D: Applied Physics, 2009, 42, 175001.	2.8	15
87	Neutron and high energy deuteron anisotropy investigations in plasma focus device. Physics of Plasmas, 2009, 16, 053301.	1.9	18
88	Ambient room temperature dense plasma focus deposition of nano phase TiO <sub>2</sub> thin films on polymeric materials. , 2009, , .		0
89	Backward high energy ion beams from plasma focus. Physics of Plasmas, 2009, 16, .	1.9	17
90	Miniature plasma focus device as a portable hard x-ray source for fast radiography applications. , 2009, , .		0

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91	Preliminary result of Coded Aperture Imaging on NX2 Plasma Focus. , 2009, , .		0
92	Magnetic spectrometry of deuteron spectra in NX2 plasma focus. , 2009, , .		0
93	Synthesis of nanocrystalline multiphase titanium oxycarbide (TiC <sub>x</sub> O <sub>y</sub> ) thin films by UNU/ICTP and NX2 plasma focus devices. Applied Physics A: Materials Science and Processing, 2008, 90, 669-677.	2.3	66
94	Synthesis of FeCo nanoparticles by pulsed laser deposition in a diffusion cloud chamber. Applied Surface Science, 2008, 254, 1909-1914.	6.1	41
95	Structural, optical and magnetic properties of (ZnO) <sub>1-x</sub> (MnO <sub>2</sub> ) <sub>x</sub> thin films deposited at room temperature. Applied Surface Science, 2008, 254, 7285-7289.	6.1	51
96	Impact of laser produced X-rays on the surface of gold. Applied Surface Science, 2008, 254, 7505-7511.	6.1	9
97	High energy ions and energetic plasma irradiation effects on aluminum in a Filippov-type plasma focus. Applied Surface Science, 2008, 255, 2461-2465.	6.1	30
98	Nano-phase titanium dioxide thin film deposited by repetitive plasma focus: Ion irradiation and annealing based phase transformation and agglomeration. Applied Surface Science, 2008, 255, 2932-2941.	6.1	52
99	An effective configuration for interferometric measurement of pulsed laser-induced plasma densities. Optik, 2008, 119, 733-737.	2.9	2
100	High repetition rate pseudospark trigger generator. Review of Scientific Instruments, 2008, 79, 086103.	1.3	9
101	Compact sub-kilojoule range fast miniature plasma focus as portable neutron source. Plasma Sources Science and Technology, 2008, 17, 045020.	3.1	54
102	Order of magnitude enhancement in x-ray yield at low pressure deuterium-krypton admixture operation in miniature plasma focus device. Applied Physics Letters, 2008, 92, .	3.3	21
103	SYNTHESIS OF ZIRCONIUM OXYNITRIDE (ZrON) NANOCOMPOSITE FILMS ON ZIRCONIUM SUBSTRATE BY DENSE PLASMA FOCUS DEVICE. International Journal of Modern Physics B, 2008, 22, 3941-3955.	2.0	22
104	Numerical experiments on plasma focus pinch current limitation. Plasma Physics and Controlled Fusion, 2008, 50, 065012.	2.1	60
105	FePt/Al <sub>2</sub> O <sub>3</sub> nanocomposite thin films synthesized by magnetic trapping assisted pulsed laser deposition with reduced intergranular exchange coupling. Journal Physics D: Applied Physics, 2008, 41, 095001.	2.8	13
106	Investigation of laser produced Fe plasma plume dynamics using time resolved imaging and snow plow model. Proceedings of SPIE, 2008, , .	0.8	1
107	FePt nanoparticle formation with lower phase transition temperature by single shot plasma focus ion irradiation. Journal Physics D: Applied Physics, 2008, 41, 135213.	2.8	31
108	Computing plasma focus pinch current from total current measurement. Applied Physics Letters, 2008, 92, 111501.	3.3	65

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109	Optimization of a plasma focus device as an electron beam source for thin film deposition. Plasma Sources Science and Technology, 2007, 16, 250-256.	3.1	37
110	Study of energy transfer in table-top X-pinch driven by a water line. Physica Scripta, 2007, 76, 134-138.	2.5	6
111	Backward plume deposition as a novel technique for high deposition rate Fe nanoclusters synthesis. Nanotechnology, 2007, 18, 115617.	2.6	15
112	Comparison of sensitivities of Moiré deflectometry and interferometry to measure electron densities in z-pinch plasmas. Journal Physics D: Applied Physics, 2007, 40, 2026-2032.	2.8	32
113	Synthesis of Fe <sub>3</sub> O <sub>4</sub> nanostructures by backward plume deposition and influence of ambient gas pressure on their morphology. Journal Physics D: Applied Physics, 2007, 40, 2548-2554.	2.8	14
114	Magnetic trapping induced low temperature phase transition from fcc to fct in pulsed laser deposition of FePt:Al <sub>2</sub> O <sub>3</sub> nanocomposite thin films. Applied Physics Letters, 2007, 91, 063120.	3.3	15
115	Neon soft x-ray emission studies from the UNU-ICTP plasma focus operated with longer than optimal anode length. Plasma Sources Science and Technology, 2007, 16, 785-790.	3.1	22
116	Effect of anode shapes on neutron emission from a repetitive plasma focus device. , 2007, , .		1
117	An improved radiative plasma focus model calibrated for neon-filled NX2 using a tapered anode. Plasma Sources Science and Technology, 2007, 16, 116-123.	3.1	40
118	Shadowgraphic and euv emission studies of low energy miniature plasma focus device. , 2007, , .		0
119	Effect of Anode Designs on Ion Emission Characteristics of a Plasma Focus Device. Japanese Journal of Applied Physics, 2007, 46, 3039-3044.	1.5	45
120	High performance thyratron driver with low jitter. Review of Scientific Instruments, 2007, 78, 086107.	1.3	5
121	Laser irradiation effects on gold. Laser Physics, 2007, 17, 1382-1388.	1.2	20
122	Pinching evidences in a miniature plasma focus with fast pseudospark switch. Plasma Sources Science and Technology, 2006, 15, 614-619.	3.1	36
123	Optical Emission Spectroscopy to study FeCo thin film deposition using plasma focus. AIP Conference Proceedings, 2006, , .	0.4	1
124	Repetitive Operation of A Dense Plasma Soft X-ray Source for Micromachining. AIP Conference Proceedings, 2006, , .	0.4	1
125	Fusion reactions in a plasma focus operated with <sup>3</sup> He-D <sub>2</sub> and <sup>4</sup> He-D <sub>2</sub> gas mixtures. Physica Scripta, 2006, T123, 124-130.	2.5	3
126	Electron Beam Emission Characteristics from Plasma Focus Devices. AIP Conference Proceedings, 2006, , .	0.4	3



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127	Time resolved emission spectroscopy investigations of pulsed laser ablated plasmas of ZrO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> . Journal of Physics: Conference Series, 2006, 28, 100-104.	0.4	3
128	Effect of deposition parameters on morphology and size of FeCo nanoparticles synthesized by pulsed laser ablation deposition. Applied Surface Science, 2006, 252, 2806-2816.	6.1	52
129	Nano-structured Fe thin film deposition using plasma focus device. Applied Surface Science, 2006, 253, 1611-1615.	6.1	54
130	Study of X-ray lithographic conditions for SU-8 by Fourier transform infrared spectroscopy. Microelectronic Engineering, 2006, 83, 1912-1917.	2.4	12
131	Energetic ion irradiation of American diamond in a plasma focus device and characterization of irradiated material. Nuclear Instruments & Methods in Physics Research B, 2006, 243, 113-118.	1.4	37
132	Characterization of chemically amplified resist for X-ray lithography by Fourier transform infrared spectroscopy. Thin Solid Films, 2006, 504, 113-116.	1.8	23
133	A Magnetic Electron Analyzer for Plasma Focus Electron Energy Distribution Studies. Journal of Fusion Energy, 2006, 25, 57-66.	1.2	34
134	Enhanced and reproducible X-ray emission in a low-energy plasma focus. Europhysics Letters, 2006, 73, 42-48.	2.0	18
135	Characteristics of FeCo nano-particles synthesized using plasma focus. Journal Physics D: Applied Physics, 2006, 39, 2212-2219.	2.8	35
136	The effect of pre-ionization by a shunt resistor on the reproducibility of plasma focus x-ray emission. Plasma Sources Science and Technology, 2006, 15, 314-321.	3.1	17
137	Drive Parameter as a Design Consideration for Mather and Filippov Types of Plasma Focus. IEEE Transactions on Plasma Science, 2006, 34, 2356-2362.	1.3	28
138	Novel fast-neutron activation counter for high repetition rate measurements. Review of Scientific Instruments, 2006, 77, 10E713.	1.3	13
139	Synthesis and characterization of polythiophenes with liquid crystalline azobenzene as side chains. Thin Solid Films, 2005, 477, 88-94.	1.8	14
140	Current sheath curvature correlation with the neon soft x-ray emission from plasma focus device. Plasma Sources Science and Technology, 2005, 14, 368-374.	3.1	46
141	Spectral study of the electron beam emitted from a 3 kJ plasma focus. Plasma Sources Science and Technology, 2005, 14, 549-560.	3.1	60
142	Optimization of the high pressure operation regime for enhanced neutron yield in a plasma focus device. Plasma Sources Science and Technology, 2005, 14, 12-18.	3.1	81
143	Imaging of Fusion Protons from a 3 kJ Deuterium Plasma Focus. Japanese Journal of Applied Physics, 2005, 44, 4117-4121.	1.5	5
144	Pseudosparks in the nanosecond range of operation: firing, jitter, and current disruption. Journal Physics D: Applied Physics, 2004, 37, 2107-2111.	2.8	17

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145	Shadowgraphic Studies of DLC Film Deposition Process in Dense Plasma Focus Device. IEEE Transactions on Plasma Science, 2004, 32, 448-455.	1.3	42
146	Soft X-ray Optimization Studies on a Dense Plasma Focus Device Operated in Neon and Argon in Repetitive Mode. IEEE Transactions on Plasma Science, 2004, 32, 2227-2235.	1.3	85
147	Soft X-ray Imaging using a Neon Filled Plasma Focus X-ray Source. Journal of Fusion Energy, 2004, 23, 49-53.	1.2	44
148	Effect of insulator sleeve length on soft x-ray emission from a neon-filled plasma focus device. Plasma Sources Science and Technology, 2004, 13, 569-575.	3.1	69
149	Effect of energetic ion irradiation on CdI <sub>2</sub> films. Journal of Applied Physics, 2004, 95, 7725-7730.	2.5	84
150	Iridescence of a shell of mollusk Haliotis Glabra. Optics Express, 2004, 12, 4847.	3.4	84
151	Study of a Chemically Amplified Resist for X-Ray Lithography by Fourier Transform Infrared Spectroscopy. Applied Spectroscopy, 2004, 58, 1288-1294.	2.2	33
152	Deposition of titanium nitride thin films on stainless steel "AISI 304 substrates using a plasma focus device. Surface and Coatings Technology, 2003, 173, 276-284.	4.8	113
153	Operation of nx <sup>2</sup> dense plasma focus device with argon filling as a possible radiation source for micro-machining. IEEE Transactions on Plasma Science, 2002, 30, 1331-1338.	1.3	79
154	Room temperature deposition of titanium carbide thin films using dense plasma focus device. Surface and Coatings Technology, 2001, 138, 159-165.	4.8	100
155	<title>Dense plasma focus radiation source for microlithography and micromachining</title>. , 2000, 4226, 151.		6
156	Effect of argon ion irradiation on Sb <sub>2</sub> Te <sub>3</sub> films in a dense plasma focus device. Materials Research Bulletin, 2000, 35, 477-486.	5.2	39
157	Studies of the fast ignition route to inertial confinement fusion at the Rutherford Appleton Laboratory. Fusion Engineering and Design, 1999, 44, 239-243.	1.9	3
158	High rep rate high performance plasma focus as a powerful radiation source. IEEE Transactions on Plasma Science, 1998, 26, 1119-1126.	1.3	175
159	A Powerful Soft X-ray Source for X-ray Lithography Based on Plasma Focusing. Physica Scripta, 1998, 57, 488-494.	2.5	68
160	X-ray emission from plasmas formed using an excimer laser with various pulse lengths. Journal Physics D: Applied Physics, 1998, 31, 2777-2782.	2.8	6
161	Neutron production from picosecond laser irradiation of deuterated targets at intensities of. Plasma Physics and Controlled Fusion, 1998, 40, 175-182.	2.1	148
162	Plasma Formation on the Front and Rear of Plastic Targets due to High-Intensity Laser-Generated Fast Electrons. Physical Review Letters, 1998, 81, 999-1002.	7.8	127

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163	Simulations of laser-produced plasma dynamics in an ambient gas. Laser and Particle Beams, 1998, 16, 317-325.	1.0	5
164	X-ray emission from plasmas generated by 450 femtosecond excimer laser pulses. Physica Scripta, 1997, 55, 651-653.	2.5	2
165	Optical and x-ray observations of carbon and aluminium fibreZ-pinch plasmas. Plasma Physics and Controlled Fusion, 1997, 39, 1-25.	2.1	55
166	<title>Preliminary results on x-ray lithography using a compact plasma focus</title>. , 1997, , .		7
167	Electron lithography using a compact plasma focus. Plasma Sources Science and Technology, 1997, 6, 343-348.	3.1	68
168	<title>Compact plasma focus soft x-ray source with high repetition rate and high intensity</title>. , 1997, , .		1
169	<title>Lithography using a compact plasma focus electron source</title>. , 1997, , .		1
170	A study of picosecond laser-solid interactions up to $10^{19} \text{ W cm}^{-2}$ . Physics of Plasmas, 1997, 4, 447-457.	1.9	583
171	Efficient Extreme UV Harmonics Generated from Picosecond Laser Pulse Interactions with Solid Targets. Physical Review Letters, 1996, 76, 1832-1835.	7.8	302
172	Measurements of the hole boring velocity from Doppler shifted harmonic emission from solid targets. Physics of Plasmas, 1996, 3, 3242-3244.	1.9	61
173	Coherence and bandwidth measurements of harmonics generated from solid surfaces irradiated by intense picosecond laser pulses. Physical Review A, 1996, 54, 1597-1603.	2.5	40
174	<title>Single-shot wavefront measurement of sub-ps laser pulses</title>. , 1995, , .		3
175	Plasma Ion Emission from High Intensity Picosecond Laser Pulse Interactions with Solid Targets. Physical Review Letters, 1994, 73, 1801-1804.	7.8	191
176	Observation of plasma confinement in picosecond laser-plasma interactions. Physical Review E, 1993, 48, 2087-2093.	2.1	33