

Paul Lee Choon Keat

List of Publications by Year in descending order

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times ranked

3055
citing authors

#	ARTICLE	IF	CITATIONS
1	A study of picosecond laser-solid interactions up to 10^{19} W/cm ² . Physics of Plasmas, 1997, 4, 447-457.	1.9	583
2	Efficient Extreme UV Harmonics Generated from Picosecond Laser Pulse Interactions with Solid Targets. Physical Review Letters, 1996, 76, 1832-1835.	7.8	302
3	Plasma Ion Emission from High Intensity Picosecond Laser Pulse Interactions with Solid Targets. Physical Review Letters, 1994, 73, 1801-1804.	7.8	191
4	High rep rate high performance plasma focus as a powerful radiation source. IEEE Transactions on Plasma Science, 1998, 26, 1119-1126.	1.3	175
5	Neutron production from picosecond laser irradiation of deuterated targets at intensities of. Plasma Physics and Controlled Fusion, 1998, 40, 175-182.	2.1	148
6	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
7	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
8	Room temperature deposition of titanium carbide thin films using dense plasma focus device. Surface and Coatings Technology, 2001, 138, 159-165.	4.8	100
9	Oxygen rich <i>p</i> -type ZnO thin films using wet chemical route with enhanced carrier concentration by temperature-dependent tuning of acceptor defects. Journal of Applied Physics, 2011, 110, .	2.5	89
10	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
11	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
12	Effect of energetic ion irradiation on CdTe films. Journal of Applied Physics, 2004, 95, 7725-7730.	2.5	84
13	Iridescence of a shell of mollusk Haliotis Glabra. Optics Express, 2004, 12, 4847.	3.4	84
14	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
15	Operation of $n \times 2$ 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
16	Optimizing UNU/ICTP PFF Plasma Focus for Neon Soft X-ray Operation. IEEE Transactions on Plasma Science, 2009, 37, 1276-1282.	1.3	71
17	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
18	Electron lithography using a compact plasma focus. Plasma Sources Science and Technology, 1997, 6, 343-348.	3.1	68

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19	A Powerful Soft X-ray Source for X-ray Lithography Based on Plasma Focusing. <i>Physica Scripta</i> , 1998, 57, 488-494.	2.5	68
20	Synthesis of nanocrystalline multiphase titanium oxycarbide (TiC _x O _y) thin films by UNU/ICTP and NX2 plasma focus devices. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 90, 669-677.	2.3	66
21	Computing plasma focus pinch current from total current measurement. <i>Applied Physics Letters</i> , 2008, 92, 111501.	3.3	65
22	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
23	Measurements of the hole boring velocity from Doppler shifted harmonic emission from solid targets. <i>Physics of Plasmas</i> , 1996, 3, 3242-3244.	1.9	61
24	Spectral study of the electron beam emitted from a 3â€‰%k plasma focus. <i>Plasma Sources Science and Technology</i> , 2005, 14, 549-560.	3.1	60
25	Numerical experiments on plasma focus pinch current limitation. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 065012.	2.1	60
26	Optical and x-ray observations of carbon and aluminium fibreZ-pinch plasmas. <i>Plasma Physics and Controlled Fusion</i> , 1997, 39, 1-25.	2.1	55
27	Nano-structured Fe thin film deposition using plasma focus device. <i>Applied Surface Science</i> , 2006, 253, 1611-1615.	6.1	54
28	Compact sub-kilojoule range fast miniature plasma focus as portable neutron source. <i>Plasma Sources Science and Technology</i> , 2008, 17, 045020.	3.1	54
29	Structural, compositional and magnetic characterization of bulk V2O5 doped ZnO system. <i>Applied Surface Science</i> , 2010, 256, 2309-2314.	6.1	54
30	Numerical experiments on plasma focus neon soft x-ray scaling. <i>Plasma Physics and Controlled Fusion</i> , 2009, 51, 105013.	2.1	53
31	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
32	Effect of deposition parameters on morphology and size of FeCo nanoparticles synthesized by pulsed laser ablation deposition. <i>Applied Surface Science</i> , 2006, 252, 2806-2816.	6.1	52
33	Nano-phase titanium dioxide thin film deposited by repetitive plasma focus: Ion irradiation and annealing based phase transformation and agglomeration. <i>Applied Surface Science</i> , 2008, 255, 2932-2941.	6.1	52
34	Structural, optical and magnetic properties of (ZnO) _{1-λ} (MnO ₂) _{λ} thin films deposited at room temperature. <i>Applied Surface Science</i> , 2008, 254, 7285-7289.	6.1	51
35	Current sheath curvature correlation with the neon soft x-ray emission from plasma focus device. <i>Plasma Sources Science and Technology</i> , 2005, 14, 368-374.	3.1	46
36	Effect of Anode Designs on Ion Emission Characteristics of a Plasma Focus Device. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 3039-3044.	1.5	45

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37	Soft X-ray Imaging using a Neon Filled Plasma Focus X-ray Source. Journal of Fusion Energy, 2004, 23, 49-53.	1.2	44
38	Shadowgraphic Studies of DLC Film Deposition Process in Dense Plasma Focus Device. IEEE Transactions on Plasma Science, 2004, 32, 448-455.	1.3	42
39	Synthesis of FeCo nanoparticles by pulsed laser deposition in a diffusion cloud chamber. Applied Surface Science, 2008, 254, 1909-1914.	6.1	41
40	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
41	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
42	Effect of argon ion irradiation on Sb ₂ Te ₃ films in a dense plasma focus device. Materials Research Bulletin, 2000, 35, 477-486.	5.2	39
43	On the plume splitting of pulsed laser ablated Fe and Al plasmas. Physics of Plasmas, 2010, 17, .	1.9	38
44	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
45	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
46	Pinching evidences in a miniature plasma focus with fast pseudospark switch. Plasma Sources Science and Technology, 2006, 15, 614-619.	3.1	36
47	Characteristics of FeCo nano-particles synthesized using plasma focus. Journal Physics D: Applied Physics, 2006, 39, 2212-2219.	2.8	35
48	Measurement and Processing of Fast Pulsed Discharge Current in Plasma Focus Machines. Journal of Fusion Energy, 2012, 31, 198-204.	1.2	35
49	A Magnetic Electron Analyzer for Plasma Focus Electron Energy Distribution Studies. Journal of Fusion Energy, 2006, 25, 57-66.	1.2	34
50	Observation of plasma confinement in picosecond laser-plasma interactions. Physical Review E, 1993, 48, 2087-2093.	2.1	33
51	Study of a Chemically Amplified Resist for X-Ray Lithography by Fourier Transform Infrared Spectroscopy. Applied Spectroscopy, 2004, 58, 1288-1294.	2.2	33
52	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
53	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
54	Dense plasma focus ion-based titanium nitride coating on titanium. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 1911-1917.	1.4	32

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55	FePt nanoparticle formation with lower phase transition temperature by single shot plasma focus ion irradiation. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 135213.	2.8	31
56	High energy ions and energetic plasma irradiation effects on aluminum in a Filippov-type plasma focus. <i>Applied Surface Science</i> , 2008, 255, 2461-2465.	6.1	30
57	Effect of cathode structure on neutron yield performance of a miniature plasma focus device. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 2568-2571.	2.1	30
58	Drive Parameter as a Design Consideration for Mather and Filippov Types of Plasma Focus. <i>IEEE Transactions on Plasma Science</i> , 2006, 34, 2356-2362.	1.3	28
59	High Performance High Repetition Rate Miniature Plasma Focus Device: Record Time Averaged Neutron Yield at 200AJ with Enhanced Reproducibility. <i>Journal of Fusion Energy</i> , 2013, 32, 2-10.	1.2	28
60	Lowering of L10 phase transition temperature of FePt thin films by single shot H ⁺ ion exposure using plasma focus device. <i>Thin Solid Films</i> , 2009, 517, 2753-2757.	1.8	27
61	Short-Lived PET Radioisotope Production in a Small Plasma Focus Device. <i>IEEE Transactions on Plasma Science</i> , 2010, 38, 3393-3397.	1.3	27
62	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
63	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
64	Exciting Dilute Magnetic Semiconductor: Copper-Doped ZnO. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 187-195.	1.8	26
65	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
66	Nuclear activation measurements of High energy deuterons from a small plasma focus. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 851-855.	2.1	25
67	Characterization of chemically amplified resist for X-ray lithography by Fourier transform infrared spectroscopy. <i>Thin Solid Films</i> , 2006, 504, 113-116.	1.8	23
68	Effects of targetâ€™s substrate geometry and ambient gas pressure on FePt nanoparticles synthesized by pulsed laser deposition. <i>Applied Surface Science</i> , 2009, 255, 4372-4377.	6.1	23
69	Miniature plasma focus as a novel device for synthesis of soft magnetic FeCo thin films. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 1043-1048.	2.1	23
70	Magnetic spectrometry of high energy deuteron beams from pulsed plasma system. <i>Plasma Physics and Controlled Fusion</i> , 2010, 52, 085007.	2.1	23
71	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
72	Neon soft x-ray emission studies from the UNU-ICTP plasma focus operated with longer than optimal anode length. <i>Plasma Sources Science and Technology</i> , 2007, 16, 785-790.	3.1	22

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73	SYNTHESIS OF ZIRCONIUM OXYNITRIDE (ZrON) NANOCOMPOSITE FILMS ON ZIRCONIUM SUBSTRATE BY DENSE PLASMA FOCUS DEVICE. <i>International Journal of Modern Physics B</i> , 2008, 22, 3941-3955.	2.0	22
74	Miniature Plasma Focus Device as a Compact Hard X-Ray Source for Fast Radiography Applications. <i>IEEE Transactions on Plasma Science</i> , 2010, 38, 652-657.	1.3	22
75	Damage Study of Irradiated Tungsten using fast focus mode of a 2.2 kJ plasma focus. <i>Vacuum</i> , 2017, 144, 14-20.	3.5	22
76	Order of magnitude enhancement in x-ray yield at low pressure deuterium-krypton admixture operation in miniature plasma focus device. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	21
77	Investigation of plume expansion dynamics and estimation of ablation parameters of laser ablated Fe plasma. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 135504.	2.8	21
78	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. <i>Journal of Fusion Energy</i> , 2015, 34, 474-479.	1.2	21
79	Laser irradiation effects on gold. <i>Laser Physics</i> , 2007, 17, 1382-1388.	1.2	20
80	Nanostructuring of FePt thin films by plasma focus device: pulsed ion irradiation dependent phase transition and magnetic properties. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 96, 1027-1033.	2.3	19
81	Enhanced and reproducible X-ray emission in a low-energy plasma focus. <i>Europhysics Letters</i> , 2006, 73, 42-48.	2.0	18
82	Self-organized transformation to polyaniline nanowires by pulsed energetic electron irradiation in a plasma focus device. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 1962-1966.	2.1	18
83	Neutron and high energy deuteron anisotropy investigations in plasma focus device. <i>Physics of Plasmas</i> , 2009, 16, 053301.	1.9	18
84	Pseudosparks in the nanosecond range of operation: firing, jitter, and current disruption. <i>Journal Physics D: Applied Physics</i> , 2004, 37, 2107-2111.	2.8	17
85	The effect of pre-ionization by a shunt resistor on the reproducibility of plasma focus x-ray emission. <i>Plasma Sources Science and Technology</i> , 2006, 15, 314-321.	3.1	17
86	Realization of enhancement in time averaged neutron yield by using repetitive miniature plasma focus device as pulsed neutron source. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 235203.	2.8	17
87	Backward high energy ion beams from plasma focus. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	17
88	Backward plume deposition as a novel technique for high deposition rate Fe nanoclusters synthesis. <i>Nanotechnology</i> , 2007, 18, 115617.	2.6	15
89	Magnetic trapping induced low temperature phase transition from fcc to fct in pulsed laser deposition of FePt:Al ₂ O ₃ nanocomposite thin films. <i>Applied Physics Letters</i> , 2007, 91, 063120.	3.3	15
90	Investigation of impurity phase formation for (ZnO) _{1-x} (TMO) _x bulk samples formed by ball milling. <i>Applied Surface Science</i> , 2009, 255, 4814-4820.	6.1	15

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91	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
92	Synthesis and characterization of polythiophenes with liquid crystalline azobenzene as side chains. Thin Solid Films, 2005, 477, 88-94.	1.8	14
93	Synthesis of Fe ₃ O ₄ 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
94	Beryllium neutron activation detector for pulsed DD fusion sources. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 659, 361-367.	1.6	14
95	Novel fast-neutron activation counter for high repetition rate measurements. Review of Scientific Instruments, 2006, 77, 10E713.	1.3	13
96	FePt/Al ₂ O ₃ 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
97	Ferromagnetism in ZnCoO thin films deposited by PLD. Applied Physics A: Materials Science and Processing, 2010, 101, 717-722.	2.3	13
98	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
99	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
100	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
101	Study of X-ray lithographic conditions for SU-8 by Fourier transform infrared spectroscopy. Microelectronic Engineering, 2006, 83, 1912-1917.	2.4	12
102	Coded aperture imaging of fusion source in a plasma focus operated with pure D ₂ and a D ₂ -Kr gas admixture. Applied Physics Letters, 2012, 101, .	3.3	12
103	Imaging of Plasma Focus Fusion by Proton Coded Aperture Technique. Journal of Fusion Energy, 2012, 31, 234-241.	1.2	12
104	Material ablation and plasma plume expansion study from Fe and graphite targets in Ar gas atmosphere. Applied Physics A: Materials Science and Processing, 2010, 101, 695-699.	2.3	11
105	Impact of laser produced X-rays on the surface of gold. Applied Surface Science, 2008, 254, 7505-7511.	6.1	9
106	High repetition rate pseudospark trigger generator. Review of Scientific Instruments, 2008, 79, 086103.	1.3	9
107	A datalogger demonstration of electromagnetic induction with a falling, oscillating and swinging magnet. Physics Education, 2010, 45, 394-401.	0.5	9
108	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. Physics of Plasmas, 2012, 19, .	1.9	9

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109	Study of Structural and Mechanical Properties of WN/a-Si ₃ N ₄ Hard Coatings Grown by Plasma Focus. Journal of Fusion Energy, 2015, 34, 435-442.	1.2	9
110	Ferromagnetic signature in vanadium doped ZnO thin films grown by pulsed laser deposition. Journal of Materials Research, 2016, 31, 3223-3229.	2.6	9
111	Temperature-dependent stoichiometric alteration in ZnO:Mn nanostructured thin films for enhanced ferromagnetic response. Applied Surface Science, 2016, 387, 461-468.	6.1	9
112	Characteristics of Fast ion beam in Neon and Argon filled plasma focus correlated with Lee Model Code. Vacuum, 2019, 169, 108916.	3.5	9
113	Oriented growth of CoPt nanoparticles by pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2010, 101, 609-613.	2.3	8
114	Maximizing kinetic energy transfer in one-dimensional many-body collisions. European Journal of Physics, 2015, 36, 025013.	0.6	8
115	Neutron Yield Scaling With Inductance in Plasma Focus. IEEE Transactions on Plasma Science, 2015, 43, 2155-2159.	1.3	8
116	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
117	<title>Preliminary results on x-ray lithography using a compact plasma focus</title>. , 1997, , .		7
118	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
119	Filamentary Structure of Current Sheath in Miniature Plasma Focus. IEEE Transactions on Plasma Science, 2011, 39, 2432-2433.	1.3	7
120	Plasma processed tungsten for fusion reactor first-wall material. Journal of Materials Science, 2021, 56, 10494-10509.	3.7	7
121	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
122	<title>Dense plasma focus radiation source for microlithography and micromachining</title>. , 2000, 4226, 151.		6
123	Study of energy transfer in table-top X-pinch driven by a water line. Physica Scripta, 2007, 76, 134-138.	2.5	6
124	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
125	Current sheath formation dynamics and structure for different insulator lengths of plasma focus device. Physics of Plasmas, 2014, 21, 113508.	1.9	6
126	Simulations of laser-produced plasma dynamics in an ambient gas. Laser and Particle Beams, 1998, 16, 317-325.	1.0	5

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127	Imaging of Fusion Protons from a 3 kJ Deuterium Plasma Focus. Japanese Journal of Applied Physics, 2005, 44, 4117-4121.	1.5	5
128	High performance thyratron driver with low jitter. Review of Scientific Instruments, 2007, 78, 086107.	1.3	5
129	Plasma dynamics and determination of ablation parameters using the near-target magnified imaging during pulsed laser ablation. Applied Physics A: Materials Science and Processing, 2010, 101, 701-705.	2.3	5
130	Absolute measurements of fast neutrons using yttrium. Review of Scientific Instruments, 2010, 81, 083506.	1.3	5
131	Ferromagnetic Cu and Al doped ZnO thin films by PLD. Journal of Physics: Conference Series, 2010, 200, 072045.	0.4	5
132	Coded aperture imaging of alpha source spatial distribution. Radiation Measurements, 2012, 47, 992-999.	1.4	5
133	A model code for the radiative theta pinch. Physics of Plasmas, 2014, 21, .	1.9	5
134	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
135	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
136	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
137	Comparative numerical study of the dynamics, ion beam and flow energetics of fast and slow focus modes in a 2 kJ plasma focus operated in various gases. Vacuum, 2019, 165, 337-342.	3.5	5
138	Plasma focus neutron energy and anisotropy measurements using zirconium-beryllium pair activation detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 988, 164830.	1.6	5
139	Ferrofluidic masking of solid state nuclear track detectors during etching. Radiation Measurements, 2009, 44, 173-175.	1.4	4
140	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
141	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
142	Broad-energy oxygen ion implantation controlled magnetization dynamics in CoFeTaZr. Journal of Alloys and Compounds, 2021, 872, 159685.	5.5	4
143	<title>Single-shot wavefront measurement of sub-ps laser pulses</title> . , 1995, , .		3
144	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

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145	Fusion reactions in a plasma focus operated with 3He-D_2 and 4He-D_2 gas mixtures. <i>Physica Scripta</i> , 2006, T123, 124-130.	2.5	3
146	Electron Beam Emission Characteristics from Plasma Focus Devices. <i>AIP Conference Proceedings</i> , 2006, , ,	0.4	3
147	Time resolved emission spectroscopy investigations of pulsed laser ablated plasmas of ZrO_2 and Al_2O_3 . <i>Journal of Physics: Conference Series</i> , 2006, 28, 100-104.	0.4	3
148	Electronic, structural and magnetic characterization of bulk $(\text{ZnO})_{1-x}(\text{MnO}_2)_x$ system and their PLD synthesized thin films at room temperature. <i>Journal of Physics: Conference Series</i> , 2010, 200, 072044.	0.4	3
149	Tailoring out-of-plane magnetic properties of pulsed laser deposited FePt thin films by changing laser energy fluence. <i>Applied Surface Science</i> , 2014, 315, 37-44.	6.1	3
150	Note: A novel trigger generator for a pseudospark switch. <i>Review of Scientific Instruments</i> , 2015, 86, 016108.	1.3	3
151	External circuit integration with electromagnetic particle in cell modeling of plasma focus devices. <i>Physics of Plasmas</i> , 2015, 22, 033514.	1.9	3
152	Correlation of Characteristic Ne SXR Signal Pulse With Computed Plasma Focus Dynamics in the Ne (97.5%) Kr (2.5%) Admixtures of the INTI PF Machine at 12 kV. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 1297-1301.	1.3	3
153	X-ray emission from plasmas generated by 450 femtosecond excimer laser pulses. <i>Physica Scripta</i> , 1997, 55, 651-653.	2.5	2
154	An effective configuration for interferometric measurement of pulsed laser-induced plasma densities. <i>Optik</i> , 2008, 119, 733-737.	2.9	2
155	X-ray Emission from Plasma Focus: Envisioned by Various Competitive Detectors. <i>Journal of Fusion Energy</i> , 2009, 28, 124-129.	1.2	2
156	On the Conceptual Understanding of the Photoelectric Effect. , 2010, , ,		2
157	PMT-scintillator system set up for D-D neutron TOF measurements in INTI plasma focus device. <i>AIP Conference Proceedings</i> , 2017, , ,	0.4	2
158	Which bulb is brighter? It depends on connection! Strategies for illuminating electrical concepts using light bulbs. <i>Physics Education</i> , 2017, 52, 065008.	0.5	2
159	<title>Compact plasma focus soft x-ray source with high repetition rate and high intensity</title>. , 1997, , ,		1
160	<title>Lithography using a compact plasma focus electron source</title>. , 1997, , ,		1
161	Optical Emission Spectroscopy to study FeCo thin film deposition using plasma focus. <i>AIP Conference Proceedings</i> , 2006, , ,	0.4	1
162	Repetitive Operation of A Dense Plasma Soft X-ray Source for Micromachining. <i>AIP Conference Proceedings</i> , 2006, , ,	0.4	1

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163	Effect of anode shapes on neutron emission from a repetitive plasma focus device. , 2007, , .		1
164	Investigation of laser produced Fe plasma plume dynamics using time resolved imaging and snow plow model. Proceedings of SPIE, 2008, , .	0.8	1
165	On The Conceptual Understanding Of "Work Done"™ For Secondary One Students In Singapore. , 2010, , .		1
166	Detection of pulsed neutrons with solid-state electronics. International Journal of Modern Physics Conference Series, 2016, 44, 1660229.	0.7	1
167	Shadowgraphic and euv emission studies of low energy miniature plasma focus device. , 2007, , .		0
168	Ambient room temperature dense plasma focus deposition of nano phase TiO ₂ thin films on polymeric materials. , 2009, , .		0
169	Miniature plasma focus device as a portable hard x-ray source for fast radiography applications. , 2009, , .		0
170	Preliminary result of Coded Aperture Imaging on NX2 Plasma Focus. , 2009, , .		0
171	Magnetic spectrometry of deuteron spectra in NX2 plasma focus. , 2009, , .		0
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