

Cesar H Moreno

List of Publications by Year in descending order

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29
papers

719
citations

687363

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642732

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g-index

29
all docs

29
docs citations

29
times ranked

387
citing authors

#	ARTICLE	IF	CITATIONS
1	Demonstration of a High Average Power Tabletop Soft X-Ray Laser. <i>Physical Review Letters</i> , 1998, 81, 5804-5807.	7.8	257
2	Conceptual engineering of plasma-focus thermonuclear pulsors. <i>IEEE Transactions on Plasma Science</i> , 2000, 28, 1735-1741.	1.3	65
3	Soft-x-ray laser interferometry of a plasma with a tabletop laser and a Lloyd's mirror. <i>Optics Letters</i> , 1999, 24, 420.	3.3	64
4	A plasma focus driven by a capacitor bank of tens of joules. <i>Review of Scientific Instruments</i> , 2002, 73, 2583-2587.	1.3	55
5	Two-dimensional near-field and far-field imaging of a Ne-like Ar capillary discharge table-top soft-x-ray laser. <i>Physical Review A</i> , 1998, 58, 1509-1514.	2.5	41
6	Soft-x-ray laser interferometry of a pinch discharge using a tabletop laser. <i>Physical Review E</i> , 1999, 60, 911-917.	2.1	28
7	Dynamics of a microcapillary discharge plasma using a soft x-ray laser backlighter. <i>Physical Review E</i> , 2000, 62, 7209-7218.	2.1	26
8	Experimental study and two-dimensional modelling of the plasma dynamics of magnetically driven shock waves in a coaxial tube. <i>Plasma Physics and Controlled Fusion</i> , 2003, 45, 1989-1999.	2.1	23
9	Finite-elements numerical model of the current-sheet movement and shaping in coaxial discharges. <i>Plasma Physics and Controlled Fusion</i> , 2005, 47, 1239-1250.	2.1	20
10	Measurements of current sheets in plasmas with a finite-sized magnetic probe. <i>Measurement Science and Technology</i> , 1991, 2, 1195-1200.	2.6	16
11	Effective hard x-ray spectrum of a tabletop Mather-type plasma focus optimized for flash radiography of metallic objects. <i>Journal of Applied Physics</i> , 2007, 102, 123303.	2.5	16
12	The effect of transmission lines and switching action on the electrical signals in a powerful capacitive discharge. <i>IEEE Transactions on Plasma Science</i> , 1990, 18, 689-694.	1.3	15
13	Parameters' variances of a least-squares determined straight line with errors in both coordinates. <i>Measurement Science and Technology</i> , 1993, 4, 635-636.	2.6	15
14	When errors in both coordinates make a difference in the fitting of straight lines by least squares. <i>Measurement Science and Technology</i> , 1998, 9, 2007-2011.	2.6	13
15	Plasma focus based flash hard X-ray source in the 100 keV region with reproducible spectrum. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 4675-4677.	2.1	11
16	A least-squares-based method for determining the ratio between two measured quantities. <i>Measurement Science and Technology</i> , 1996, 7, 137-141.	2.6	10
17	Radiographic method for measuring the continuum hard X-ray output spectrum of a Plasma Focus device. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 3659-3662.	2.1	10
18	Shadowgrams of a dense micro-capillary plasma obtained with a table-top soft X-ray laser. <i>IEEE Transactions on Plasma Science</i> , 1999, 27, 6-7.	1.3	9

#	ARTICLE	IF	CITATIONS
19	<title>Lasing in Ne-like S and other new developments in capillary discharge ultrashort wavelength lasers</title>. , 1997, , .		6
20	Particle simulations of divergent and convergent radial electron flows in cylindrical Pierce diodes. Physics of Plasmas, 1997, 4, 3049-3063.	1.9	5
21	Design and construction of a very small plasma focus in the limit of low energy. , 2001, , .		5
22	Temporal Variation of the Current Sheet Inductance from PACO Plasma Focus Device. Journal of Fusion Energy, 2016, 35, 561-566.	1.2	3
23	Measurement of the time-evolution of averaged impedances in a small atmospheric pressure spark-gap. Measurement Science and Technology, 1993, 4, 952-956.	2.6	2
24	Compact Repetitive Plasma Focus as a Powerful Source for Hard-X-Ray and Neutron Scanning. , 2005, , .		2
25	Solution of Laplace's equation in plane single-connected regions bounded by arbitrary single curves. Journal of Mathematical Physics, 1990, 31, 1914-1918.	1.1	1
26	Nonlinear dynamics of electron flows with density gradient in spherical diodes. Physics of Plasmas, 2000, 7, 2798-2809.	1.9	1
27	<title>Spatial coherence of a capillary discharge soft x-ray amplifier</title>. , 1997, , .		0
28	A least-squares-based method for determining the ratio between two measured quantities. Measurement Science and Technology, 1997, 8, 951-951.	2.6	0
29	<title>Tabletop soft x-ray lasers by fast discharge excitation</title>. , 1998, 3343, 138.		0