

MohammadAli Mohammadi

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

157
citations

1307594

7
h-index

1125743

13
g-index

20
all docs

20
docs citations

20
times ranked

85
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of anode shape on neon soft x-ray emissions and current sheath configuration in plasma focus device. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 045203.	2.8	40
2	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
3	Increasing of Hardness of Titanium Using Energetic Nitrogen Ions from Sahand as a Filippov Type Plasma Focus Facility. <i>Journal of Fusion Energy</i> , 2012, 31, 65-72.	1.2	22
4	Current Sheath Dynamics and its Evolution Studies in Sahand Filippov Type Plasma Focus. <i>Journal of Fusion Energy</i> , 2009, 28, 371-376.	1.2	17
5	Surface modified Fe ₃ O ₄ nanoparticles: A cross-linked polyethylene glycol coating using plasma treatment. <i>Surfaces and Interfaces</i> , 2021, 25, 101271.	3.0	12
6	Measurement of the Energy of Nitrogen Ions Produced in Filippov Type Plasma Focus Used for the Nitriding of Titanium. <i>Journal of Fusion Energy</i> , 2012, 31, 595-602.	1.2	8
7	Experimental investigation of the effect of insulator sleeve length on the time to pinch and multipinch formation in the plasma focus facility. <i>Iranian Physical Journal</i> , 2017, 11, 59-62.	1.2	7
8	Preliminary measurements in Sahand plasma-focus emphasizing on the temporal characteristics of hard and soft X-rays. <i>European Physical Journal D</i> , 2006, 56, B389-B395.	0.4	6
9	Effects of non-thermal electron distribution and positron density on solitary waves in electron-positron-ion plasmas. <i>European Physical Journal D</i> , 2004, 54, C516-C526.	0.4	5
10	Energy spectrum of argon ions emitted from Filippov type Sahand plasma focus. <i>Review of Scientific Instruments</i> , 2013, 84, 073505.	1.3	5
11	Study of Current Sheath Velocity and Its Distribution Using Tridimensional Magnetic Probe in Sahand Plasma Focus. <i>Plasma Science and Technology</i> , 2015, 17, 353-357.	1.5	3
12	Sahand Plasma Focus Emitted More Than 35Å in Yield Neon Soft X-ray. <i>Journal of Fusion Energy</i> , 2017, 36, 240-245.	1.2	3
13	Particle acceleration in three-dimensional reconnection of flux-tube disconnection. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	1.4	2
14	On the structure of guide magnetic field in the inertia-driven magnetic reconnection with the presence of shear flow. <i>Physics of Plasmas</i> , 2013, 20, 114501.	1.9	1
15	The scaling of collisionless magnetic reconnection in an electron-positron plasma with non-scalar pressure. <i>Journal of Plasma Physics</i> , 2013, 79, 473-477.	2.1	1
16	Proton acceleration in three-dimensional non-null magnetic reconnection. <i>Journal of Plasma Physics</i> , 2016, 82, .	2.1	1
17	Study of the 190Hg Nucleus: Testing the Existence of U(5) Symmetry. <i>Brazilian Journal of Physics</i> , 2018, 48, 266-280.	1.4	1
18	Experimental Study of the Effect of External Inductance on Pinch Characteristics and Neon Soft X-Ray Yield in Filippov-Type Plasma Focus Device. <i>Plasma Physics Reports</i> , 2020, 46, 696-702.	0.9	1

#	ARTICLE	IF	CITATIONS
19	The effect of helium impurity addition on current sheath speed in argon-operated plasma focus using a tridimensional magnetic probe. Journal of Plasma Physics, 2013, 79, 867-871.	2.1	0
20	Experimental study of neon soft X-ray at Sahand plasma focus. , 2015, , .		0