MohammadAli Mohammadi

List of Publications by Year
in descending order

20	157	1307594 7	1125743 13
papers	citations	h-index	g-index

20	20	20	85
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface modified Fe3O4 nanoparticles: A cross-linked polyethylene glycol coating using plasma treatment. Surfaces and Interfaces, 2021, 25, 101271.	3.0	12
2	Experimental Study of the Effect of External Inductance on Pinch Characteristics and Neon Soft X-Ray Yield in Filippov-Type Plasma Focus Device. Plasma Physics Reports, 2020, 46, 696-702.	0.9	1
3	Study of the 190Hg Nucleus: Testing the Existence of U(5) Symmetry. Brazilian Journal of Physics, 2018, 48, 266-280.	1.4	1
4	Experimental investigation of the effect of insulator sleeve length on the time to pinch and multipinch formation in the plasma focus facility. Iranian Physical Journal, 2017, 11, 59-62.	1.2	7
5	Sahand Plasma Focus Emitted More Than 35ÂJ in Yield Neon Soft X-ray. Journal of Fusion Energy, 2017, 36, 240-245.	1.2	3
6	Proton acceleration in three-dimensional non-null magnetic reconnection. Journal of Plasma Physics, 2016, 82, .	2.1	1
7	Particle acceleration in three-dimensional reconnection of flux-tube disconnection. Astrophysics and Space Science, 2016, 361, 1.	1.4	2
8	Experimental study of neon soft X-ray at Sahand plasma focus. , 2015, , .		0
9	Study of Current Sheath Velocity and Its Distribution Using Tridimensional Magnetic Probe in Sahand Plasma Focus. Plasma Science and Technology, 2015, 17, 353-357.	1.5	3
10	Energy spectrum of argon ions emitted from Filippov type Sahand plasma focus. Review of Scientific Instruments, 2013, 84, 073505.	1.3	5
11	On the structure of guide magnetic field in the inertia-driven magnetic reconnection with the presence of shear flow. Physics of Plasmas, 2013, 20, 114501.	1.9	1
12	The scaling of collisionless magnetic reconnection in an electronâ€“positron plasma with non-scalar pressure. Journal of Plasma Physics, 2013, 79, 473-477.	2.1	1
13	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
14	Measurement of the Energy of Nitrogen Ions Produced in Filippov Type Plasma Focus Used for the Nitriding of Titanium. Journal of Fusion Energy, 2012, 31, 595-602.	1.2	8
15	Increasing of Hardness of Titanium Using Energetic Nitrogen Ions from Sahand as a Filippov Type Plasma Focus Facility. Journal of Fusion Energy, 2012, 31, 65-72.	1.2	22
16	The effect of anode shape on neon soft x-ray emissions and current sheath configuration in plasma focus device. Journal Physics D: Applied Physics, 2009, 42, 045203.	2.8	40
17	Current Sheath Dynamics and its Evolution Studies in Sahand Filippov Type Plasma Focus. Journal of Fusion Energy, 2009, 28, 371-376.	1.2	17
18	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

#	Article	IF	Citations
19	Preliminary measurements in Sahand plasma-focus emphasizing on the temporal characteristics of hard and soft X-rays. European Physical Journal D, 2006, 56, B389-B395.	0.4	6
20	Effects of non-thermal electron distribution and positron density on solitary waves in electron-positron-ion plasmas. European Physical Journal D, 2004, 54, C516-C526.	0.4	5