

Fermã-n Castillo Mejã-a

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

478
citations

933447

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794594

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21
docs citations

21
times ranked

271
citing authors

#	ARTICLE	IF	CITATIONS
1	Failure Analysis of Austenitic Stainless Steel Implant Screws and Prospection of Chemical Composition Using Artificial Intelligence. World Journal of Engineering and Technology, 2022, 10, 98-118.	0.5	1
2	Surface modification of polyethylene terephthalate (PET) by corona discharge plasma. Journal of Nuclear Physics Material Sciences Radiation and Applications, 2021, 8, 129-134.	0.2	0
3	Mapping of Radon (^{220}Rn and ^{222}Rn) Concentration Distribution in a Microclimate Condition Cellar Using Nuclear Track Methodology. Journal of Environmental Protection, 2019, 10, 919-928.	0.7	0
4	Characterization of the axial plasma shock in a table top plasma focus after the pinch and its possible application to testing materials for fusion reactors. Physics of Plasmas, 2014, 21, .	1.9	51
5	Filamentary structures in dense plasma focus: Current filaments or vortex filaments?. Physics of Plasmas, 2014, 21, .	1.9	32
6	Fast neutron dosimetry using CR-39 track detectors with polyethylene as radiator. Radiation Measurements, 2013, 50, 71-73.	1.4	43
7	Small plasma focus as neutron pulsed source for nuclides identification. Review of Scientific Instruments, 2013, 84, 103501.	1.3	6
8	Langmuir Probe and Optical Emission Spectroscopy Studies of Low-Pressure Gas Mixture of CO_2 and N_2 . Plasma Science and Technology, 2010, 12, 314-319.	1.5	17
9	Neutron yield and pressure evolution during a dense plasma focus device shot series. Journal Physics D: Applied Physics, 2007, 40, 5902-5906.	2.8	3
10	Comparative study on the decomposition process of N-isopropylacrylamide in He, N_2 and air plasmas. Plasma Sources Science and Technology, 2007, 16, 427-433.	3.1	9
11	Optical and Electrical Characteristics of AC Glow-Discharge Plasma in N_2 . IEEE Transactions on Plasma Science, 2006, 34, 1497-1502.	1.3	9
12	Neutron Emission and Angular Distribution in Compact Plasma Focus Devices Operating at Hundreds of Joules. AIP Conference Proceedings, 2006, , .	0.4	1
13	Experimental studies on the formation of argon atoms in Ar^+ atoms collisions. International Journal of Mass Spectrometry, 2003, 228, 107-116.	1.5	12
14	Isotropic and anisotropic components of neutron emissions at the FN-II and PACO dense plasma focus devices. Plasma Physics and Controlled Fusion, 2003, 45, 289-300.	2.1	48
15	Neutron anisotropy and X-ray production of the FN-II dense plasma focus device. Brazilian Journal of Physics, 2002, 32, 3.	1.4	46
16	N^+ charge transfer in N_2 at low-keV collisions. International Journal of Mass Spectrometry, 2002, 218, 161-165.	1.5	3
17	Experimental investigation of the formation of N atoms in $\text{N} + \text{Ne}$, Kr , and Xe collisions. International Journal of Mass Spectrometry, 2001, 208, 81-88.	1.5	1
18	Small plasma focus studied as a source of hard X-ray. IEEE Transactions on Plasma Science, 2001, 29, 921-926.	1.3	70

#	ARTICLE	IF	CITATIONS
19	Experimental study of single-electron loss by Ar ⁺ ions in rare-gas atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 1485-1495.	1.5	6
20	Evidence of thermal and non-thermal mechanisms coexisting in dense plasma focus D-D nuclear reactions. Journal Physics D: Applied Physics, 2000, 33, 141-147.	2.8	73
21	Some experimental research on anisotropic effects in the neutron emission of dense plasma-focus devices. Journal Physics D: Applied Physics, 1997, 30, 1499-1506.	2.8	47