

Julio C Aguiar

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

99
citations

1684188

5
h-index

1372567

10
g-index

16
all docs

16
docs citations

16
times ranked

81
citing authors

#	ARTICLE	IF	CITATIONS
1	Peak efficiency calibration for attenuation corrected cylindrical sources in gamma ray spectrometry by the use of a point source. <i>Applied Radiation and Isotopes</i> , 2006, 64, 1643-1647.	1.5	23
2	An analytical calculation of the peak efficiency for cylindrical sources perpendicular to the detector axis in gamma-ray spectrometry. <i>Applied Radiation and Isotopes</i> , 2008, 66, 1123-1127.	1.5	20
3	Electron momentum density and Compton profile by a semi-empirical approach. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 83, 64-69.	4.0	16
4	Stopping cross sections of TiO ₂ for H and He ions. <i>European Physical Journal D</i> , 2014, 68, 1.	1.3	10
5	Stopping and straggling of H and He in ZnO. <i>European Physical Journal D</i> , 2016, 70, 1.	1.3	10
6	The study of the 4s4p configuration of the Zn isoelectronic sequence using the relativistic jj-coupling approach. <i>European Physical Journal D</i> , 2013, 67, 1.	1.3	5
7	Experimental Compton profiles of Be, Al and Ti and comparisons to generalized gradient approximation calculations. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 1341-1348.	4.0	4
8	An examination of the consistency of the published levels of the p 2 , p 3 and p 4 isoelectronic sequences using jj-relativistic expressions. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 149, 1-7.	2.3	3
9	Experimental and theoretical Compton profiles of Be, C and Al. <i>Physica B: Condensed Matter</i> , 2011, 406, 354-357.	2.7	2
10	Full-energy peak determination from total efficiency and peak-to-total ratio calculations. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 990, 164980.	1.6	2
11	Self-consistent screened hydrogenic model based on the average-atom model: comparisons with atomic codes and plasma experiments. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	2
12	Theoretical Compton profile of diamond, boron nitride and carbon nitride. <i>Physica B: Condensed Matter</i> , 2017, 521, 361-364.	2.7	1
13	Some applications of perturbation theory in atomic physics. <i>European Journal of Physics</i> , 2021, 42, 065403.	0.6	1
14	Correspondence between atomic levels in LS and jj couplings. <i>Spectroscopy Letters</i> , 2019, 52, 175-182.	1.0	0
15	Compton profile and charge density reconstruction by the maximum entropy method. <i>Physica Scripta</i> , 2022, 97, 045818.	2.5	0
16	Spectral line shift of Balmer and Paschen ions by self-consistent methods. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2022, , 106425.	2.9	0