

Prasanta K Mukherjee

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

92
citations

1683934

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h-index

1372474

10
g-index

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all docs

12
docs citations

12
times ranked

50
citing authors

#	ARTICLE	IF	CITATIONS
1	Time dependent variation perturbation calculation of two-photon transition probability and hyperfine shift in hydrogen atom under plasma environment. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 402, 127343.	0.9	4
2	Frequency dependent hyperpolarizability and two photon excitations in hydrogen atom confined under classical plasma environment. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126115.	0.9	9
3	Nonlinear response properties of atomic hydrogen under quantum plasma environment: A timeâ€dependent variation perturbation study on hyperpolarizability and twoâ€photon excitations. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26422.	1.0	5
4	Equation of motion approach for describing allowed transitions in Ne and Al ³⁺ under classical and quantum plasmas. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	2
5	Atomic structure under external confinement: effect of plasma on the spin orbit splitting, relativistic mass correction and Darwin term for hydrogen-like ions. <i>European Physical Journal D</i> , 2017, 71, 1.	0.6	18
6	A confinement induced spectroscopic study of noble gas atoms using equation of motion architecture: Encapsulation within fullereneâ€™s voids. <i>Journal of Chemical Physics</i> , 2017, 147, 034111.	1.2	7
7	Dynamic polarizability and electric multipolar transitions in two electron atoms under exponential cosine screened coulomb potential. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	16
8	A simple model for a theoretical study of the spectral line shifts of alkali atoms attached to helium nanodroplets. <i>Chemical Physics Letters</i> , 2016, 644, 142-146.	1.2	3
9	Spectroscopy of low lying transitions of He confined in a fullerene cage. <i>European Physical Journal D</i> , 2016, 70, 1.	0.6	6
10	Theoretical study of the spectral shift of the absorption line of Rb and Cs in liquid helium. <i>Chemical Physics Letters</i> , 2015, 633, 256-260.	1.2	4
11	Hyperpolarizability of two electron atoms under exponential cosine screened coulomb potential. <i>Physics of Plasmas</i> , 2015, 22, 123120.	0.7	12
12	Magnetic dipolar and quadrupolar transitions in two-electron atoms under exponential-cosine-screened Coulomb potential. <i>Physics of Plasmas</i> , 2015, 22, 032902.	0.7	6