

# Prasanta K Mukherjee

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

92  
citations

1683934

5  
h-index

1372474

10  
g-index

12  
all docs

12  
docs citations

12  
times ranked

50  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Hyperpolarizability of two electron atoms under exponential cosine screened coulomb potential. <i>Physics of Plasmas</i> , 2015, 22, 123120.	0.7	12
4	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
5	A confinement induced spectroscopic study of noble gas atoms using equation of motion architecture: Encapsulation within fullerene's voids. <i>Journal of Chemical Physics</i> , 2017, 147, 034111.	1.2	7
6	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
7	Spectroscopy of low lying transitions of He confined in a fullerene cage. <i>European Physical Journal D</i> , 2016, 70, 1.	0.6	6
8	Nonlinear response properties of atomic hydrogen under quantum plasma environment: A time-dependent variation perturbation study on hyperpolarizability and two-photon excitations. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26422.	1.0	5
9	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
10	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
11	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
12	Equation of motion approach for describing allowed transitions in Ne and Al <sup>3+</sup> under classical and quantum plasmas. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	2