

Jayanta K Saha

List of Publications by Year in descending order

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59
papers

596
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623734

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62
all docs

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docs citations

62
times ranked

220
citing authors

#	ARTICLE	IF	CITATIONS
1	and states of two electron atoms under Debye plasma screening. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 675-688.	2.3	42
2	$2p_{1,3}P_e$ states of neutral He and Li^{+} ions under Debye plasma screening. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 245701.	1.5	41
3	Nonrelativistic structure calculations of two-electron ions in a strongly coupled plasma environment. Physical Review A, 2015, 91, .	2.5	41
4	Hyperpolarizability of hydrogen atom under spherically confined Debye plasma. European Physical Journal D, 2011, 62, 205-211.	1.3	38
5	Precise estimation of the energy levels of two-electron atoms under spherical confinement. Physica Scripta, 2013, 87, 065305.	2.5	36
6	Doubly excited bound and resonance $2p_{1,3}P_e$ of helium. Physical Review A, 2009, 80, 042501.	2.5	26
7	Occupation of $2p_{1,3}P_e$ of helium. Physical Review A, 2009, 80, 042501.		

#	ARTICLE	IF	CITATIONS
19	Effect of strongly coupled plasma on the doubly excited states of heliumlike ions. <i>European Physical Journal D</i> , 2012, 66, 1.	1.3	11
20	Effect of strongly coupled plasma on the magnetic dipolar and quadrupolar transitions of two-electron ions. <i>Physics of Plasmas</i> , 2013, 20, 042703.	1.9	11
21	Entanglement in helium atom confined in an impenetrable cavity. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	11
22	Ground-State Entanglement Properties of Helium Atom in a Finite Spherical Cavity. <i>Few-Body Systems</i> , 2015, 56, 645-649.	1.5	9
23	Structural and thermodynamic aspects of $\text{Li}_n @ \text{C}_x$ endohedral metallofullerenes: a DFT approach. <i>Theoretical Chemistry Accounts</i> , 2016, 135, 1.	1.4	9
24	Doubly excited $1s^2$ states of two-electron atoms. <i>Chemical Physics Letters</i> , 2009, 478, 292-294.	2.6	18
25	Metastable bound $D_{1,3\sigma}$ states below $N=3$ ionization threshold of He^+ . <i>Journal of Chemical Physics</i> , 2010, 132, 134107.	3.0	8
26	On the diagnosis of fluorescence active autoionizing states of helium. <i>Chemical Physics Letters</i> , 2011, 517, 223-226.	2.6	8
27	Electronic Structure of Helium Atom in a Quantum Dot. <i>Communications in Theoretical Physics</i> , 2016, 65, 347-353.	2.5	8
28	Investigation of Fermions in Non-commutative Space by Considering Kratzer Potential. <i>Communications in Theoretical Physics</i> , 2016, 65, 695-700.	2.5	8
29	Ritz variational method for the high-lying nonautoionizing doubly excited $1s^2$ states of two-electron atoms. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25577.	2.0	8
30	Critical stability and quantum phase transition of two-electron system under exponential-cosine-screened-Coulomb interaction. <i>European Physical Journal D</i> , 2020, 74, 1.	1.3	8
31	Precise energy eigenvalues of hydrogen-like ion moving in quantum plasmas. <i>Physics of Plasmas</i> , 2015, 22, 062103.	1.9	7
32	Extensive investigations for metastable bound and resonance $3F_e$ states of He atom. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25981.	2.0	7
33	Critical stability and structural properties of screened two-electron system in Feshbach resonance state. <i>European Physical Journal D</i> , 2019, 73, 1.	1.3	7
34	Ground and doubly excited states of He atom in non-ideal classical plasmas: structural, entanglement and information theoretical measures. <i>European Physical Journal Plus</i> , 2022, 137, 1.	2.6	7
35	Variational Method for Hydrogen Atom Embedded in Non-ideal Classical Plasmas. <i>Brazilian Journal of Physics</i> , 2021, 51, 927-943.	1.4	6
36	Three-body negative ions under Coulomb interaction. <i>Physica Scripta</i> , 2012, 85, 065305.	2.5	5

#	ARTICLE	IF	CITATIONS
55	Two-electron atoms under spherical confinement. Journal of Physics: Conference Series, 2014, 488, 152012.	0.4	0
56	Borromean states of exotic systems under screened coulomb interactions. Journal of Physics: Conference Series, 2014, 488, 152010.	0.4	0
57	Fluorescence active autoionizing states of highly stripped helium-like ions. Journal of Physics: Conference Series, 2014, 488, 152011.	0.4	0
58	Autoionizing states of Spatially Confined Helium Atom. Journal of Physics: Conference Series, 2015, 635, 092119.	0.4	0
59	Doublet and Quartet states of Li-like ions under hot plasma. Journal of Physics: Conference Series, 2015, 635, 092120.	0.4	0