

Jayanta K Saha

List of Publications by Year in descending order

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59
papers

596
citations

623734

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21
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62
all docs

62
docs citations

62
times ranked

220
citing authors

#	ARTICLE	IF	CITATIONS
19	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
20	Explicitly correlated variational estimates of the energy levels of negative hydrogen ion under spatial confinement. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25597.	2.0	15
21	Ritz variational method for the high-lying nonautoionizing doubly excited $1,3F^e$ states of two-electron atoms. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25577.	2.0	8
22	(Ps^{\sim}) and (H^+_{-2}) Ions under Spatial Confinement. <i>Journal of Atomic Molecular Condensate and Nano Physics</i> , 2018, 5, .	0.2	2
23	Mechanistic Insight into the Enhancement of Reactivity of C60^+ in Comparison with Neutral C60 and EMFs towards Different Fundamental Reactions: A DFT Approach. <i>ChemistrySelect</i> , 2017, 2, 4039-4053.	1.5	3
24	Two-electron atoms under spatially compressed Debye plasma. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	17
25	Structural properties of lithium atom under weakly coupled plasma environment. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	12
26	Doubly Excited Resonance States of Helium Atom: Complex Entropies. <i>Few-Body Systems</i> , 2016, 57, 1147-1153.	1.5	4
27	Electronic Structure of Helium Atom in a Quantum Dot. <i>Communications in Theoretical Physics</i> , 2016, 65, 347-353.	2.5	8
28	Ritz variational calculation for the singly excited states of compressed two-electron atoms. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 1802-1813.	2.0	15
29	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
30	Investigation of Fermions in Non-commutative Space by Considering Kratzer Potential. <i>Communications in Theoretical Physics</i> , 2016, 65, 695-700.	2.5	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	Double KK excited states in highly charged sulphur. <i>Journal of Physics: Conference Series</i> , 2015, 635, 022071.	0.4	1
33	Ground-State Entanglement Properties of Helium Atom in a Finite Spherical Cavity. <i>Few-Body Systems</i> , 2015, 56, 645-649.	1.5	9
34	Entanglement in helium atom confined in an impenetrable cavity. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	11
35	Nonrelativistic structure calculations of two-electron ions in a strongly coupled plasma environment. <i>Physical Review A</i> , 2015, 91, .	2.5	41
36	Autoionizing states of Spatially Confined Helium Atom. <i>Journal of Physics: Conference Series</i> , 2015, 635, 092119.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Doublet and Quartet states of Li-like ions under hot plasma. Journal of Physics: Conference Series, 2015, 635, 092120.	0.4	0
38	Two-electron atoms under spherical confinement. Journal of Physics: Conference Series, 2014, 488, 152012.	0.4	0
39	Exotic systems under screened Coulomb interactions: a study on Borromean windows. Physica Scripta, 2014, 89, 015401.	2.5	15
40	Borromean states of exotic systems under screened coulomb interactions. Journal of Physics: Conference Series, 2014, 488, 152010.	0.4	0
41	High-resolution x-ray spectra from highly charged Si, S and Cl ions showing evidence of fluorescence active resonant states. Journal of Physics: Conference Series, 2014, 488, 132027.	0.4	1
42	Fluorescence active autoionizing states of highly stripped helium-like ions. Journal of Physics: Conference Series, 2014, 488, 152011.	0.4	0
43	Precise estimation of the energy levels of two-electron atoms under spherical confinement. Physica Scripta, 2013, 87, 065305.	2.5	36
44	Effect of strongly coupled plasma on the magnetic dipolar and quadrupolar transitions of two-electron ions. Physics of Plasmas, 2013, 20, 042703.	1.9	11
45	Observation of $2p \rightarrow 3d$ transitions in Li^{2+} ions under hot plasma. http://www.ias.ac.in/article/fulltext/prpl/2015/01/010101		

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55	$2p_{1,3}P_e$ 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
56	The effect of a 2s vacancy on two-electron one-photon lines: Relativistic approach. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 252-255.	2.1	11
57	Doubly excited $1s^2 2s^2 2p^6$ states of two-electron atoms. Chemical Physics Letters, 2009, 478, 292-294.	2.6	8
58	Borromean states of three-particle exotic systems with screened Coulomb interactions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 215701.	1.5	20
59	Ritz variational calculation for two-electron one-photon transitions in helium. Physical Review A, 2008, 78, .	2.5	13