

P K Mukherjee

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Energy levels and structural properties of compressed hydrogen atom under Debye screening. <i>Astronomy and Astrophysics</i> , 2002, 396, 337-344.	5.1	133
2	Dynamic polarizabilities and Rydberg states of the sodium isoelectronic sequence. <i>Physical Review A</i> , 1986, 34, 62-70.	2.5	45
3	Hyperpolarizability of hydrogen atom under spherically confined Debye plasma. <i>European Physical Journal D</i> , 2011, 62, 205-211.	1.3	38
4	Effect of Debye plasma on the doubly excited states of highly stripped ions. <i>International Journal of Quantum Chemistry</i> , 2005, 102, 1061-1068.	2.0	32
5	Coupled Hartree-Fock calculation of static dipole polarizations of open-shell ions. <i>International Journal of Quantum Chemistry</i> , 1977, 12, 1-9.	2.0	31
6	Magnetic multipole transitions of a stripped carbon ion in a variety of Debye plasmas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998, 31, 3479-3488.	1.5	31
7	Dynamic polarizabilities and Rydberg states of the sodium isoelectronic sequence. II. <i>Physical Review A</i> , 1987, 35, 980-986.	2.5	24
8	Time-dependent Hartree-Fock calculations for the excited 2S states of lithium isoelectronic sequence. <i>Theoretica Chimica Acta</i> , 1984, 66, 173-181.	0.8	22
9	Frequency-dependent polarizability of open-shell atomic systems. <i>International Journal of Quantum Chemistry</i> , 1975, 9, 75-81.	2.0	20
10	Dynamic polarizabilities and Rydberg states of open shell atomic systems. <i>Theoretica Chimica Acta</i> , 1988, 74, 431-444.	0.8	19
11	Effect of dense plasma on the spectral properties of hydrogenic ions. <i>International Journal of Quantum Chemistry</i> , 2005, 104, 903-910.	2.0	19
12	Coupled hartree-fock calculation of static and shielding factors for open shell atomic systems. <i>International Journal of Quantum Chemistry</i> , 1975, 9, 1-8.	2.0	18
13	Dynamic polarizabilities and Rydberg states of the argon isoelectronic sequence. <i>Physical Review A</i> , 1993, 48, 2686-2695.	2.5	17
14	Static dipole polarizabilities of open-shell negative ions. <i>Theoretica Chimica Acta</i> , 1992, 82, 223-227.	0.8	16
15	Frequency-dependent polarisabilities and Rydberg transitions of the magnesium isoelectronic sequence. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1989, 22, 2103-2113.	1.5	15
16	Spectral properties of helium-like ions under strongly coupled plasma conditions. <i>International Journal of Quantum Chemistry</i> , 2006, 106, 465-477.	2.0	15
17	Dynamic polarizabilities and Rydberg states of silicon, phosphorous, and sulfur. <i>Physical Review A</i> , 1989, 40, 1753-1759.	2.5	14
18	1S resonance States of two electron atoms by stabilization method. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 1819-1823.	2.0	14

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19	Atomic structure under external confinements: Effect of plasma. International Journal of Quantum Chemistry, 2007, 107, 2708-2715.	2.0	12
20	Coupled Hartree-Fock calculation of the dynamic polarisabilities of the beryllium sequence. Journal of Physics B: Atomic and Molecular Physics, 1978, 11, 2813-2820.	1.6	11
21	Magnetic quadrupolar (M2) transition probabilities and triplet excited Rydberg states of helium-like ions. Physica Scripta, 1989, 39, 722-724.	2.5	11
22	Effect of strongly coupled plasma on the doubly excited states of heliumlike ions. European Physical Journal D, 2012, 66, 1.	1.3	11
23	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
24	Spectroscopy of sodium atom in liquid helium cluster: a symmetry adapted cluster-configuration interaction (SAC-CI) study. Theoretical Chemistry Accounts, 2007, 118, 437-441.	1.4	10
25	Exotic affinities under Debye plasma. Physics of Plasmas, 2007, 14, 024503.	1.9	9
26	Radial and angular correlation in heliumlike ions. International Journal of Quantum Chemistry, 2003, 92, 413-418.	2.0	8
27	A variation perturbation calculation to study the excited-state wavefunctions of atoms. Journal of Physics B: Atomic and Molecular Physics, 1981, 14, 3007-3017.	1.6	7
28	Calculation of rydberg states of lithium isoelectronic sequence. Theoretica Chimica Acta, 1986, 69, 51-62.	0.8	7
29	Dynamic multipole polarizabilities and Rydberg states of the beryllium isoelectronic sequence. Physical Review A, 1988, 37, 1095-1104.	2.5	7
30	Doubly excited triplet states of the helium isoelectronic sequence. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 28, 97-103.	1.0	7
31	Radiative transitions in highly-stripped carbon-like ions. Physica Scripta, 1995, 51, 81-85.	2.5	7
32	Electron affinity of exotic systems under Debye plasma. International Journal of Quantum Chemistry, 2007, 107, 946-951.	2.0	7
33	Magnetic quadrupole transition rates and Rydberg states of the magnesium isoelectronic sequence. Astrophysical Journal, 1989, 346, 1045.	4.5	7
34	Use of coupled-cluster based linear response theory and multireference hermitian MBPT to IP calculations of HF. International Journal of Quantum Chemistry, 1986, 29, 205-210.	2.0	5
35	Rydberg states and spin-forbidden transitions of the beryllium isoelectronic sequence. Journal of Physics B: Atomic, Molecular and Optical Physics, 1988, 21, 3191-3202.	1.5	5
36	Allowed transitions in silicon isoelectronic ions. International Journal of Quantum Chemistry, 2003, 91, 626-632.	2.0	5

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37	Singly excited bound states in continuum: a time-dependent perturbation approach. <i>Theoretica Chimica Acta</i> , 1993, 85, 371-377.	0.8	3
38	Doubly excited states of highly stripped ions: a time dependent perturbation approach. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1997, 39, 195-199.	1.0	3
39	Radial and angular correlations in doubly excited states: A time-dependent perturbation approach. <i>International Journal of Quantum Chemistry</i> , 2000, 76, 99-104.	2.0	3
40	On the interpretation of two electron-one photon transitions in slow collisions between fully stripped ions and solid target. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1995, 33, 7-9.	1.0	1
41	Atomic data of medium-Z ions. <i>Physica Scripta</i> , 1997, 55, 273-276.	2.5	1
42	Energy levels of two interacting particles in an anharmonic potential. <i>International Journal of Quantum Chemistry</i> , 2005, 102, 158-164.	2.0	0