Chen zhanbin

List of Publications by Year
in descending order

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42	440	687363 13	752698 20
papers	citations	h-index	g-index

42	42	42	104
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Theoretical energies, transition rates, lifetimes, hyperfine interaction constants and Land<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si5.gif" overflow="scroll"><mml:mover accent="true"><mml:mi>e</mml:mi><mml:mo>Â´</mml:mo></mml:mover></mml:math>g -factors for the Se XXVII spectrum of fusion interest. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 206, 213-232.	2.3	52
2	Influence of dense plasma on the energy levels and transition properties in highly charged ions. Physics of Plasmas, 2018, 25, .	1.9	39
3	Relativistic effects on the energy levels and radiative properties of He-like ions immersed in Debye plasmas. Physics of Plasmas, 2018, 25, 072120.	1.9	32
4	Theoretical determination of energies, wavelengths, and transition probabilities for EUV and SXR spectral lines in Rb XXXIV, Sr XXXV, Zr XXXVII, and Nb XXXVIII. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 225, 76-83.	2.3	31
5	Dominance of the Breit interaction in the cross section and circular polarization of x-ray radiation following longitudinally-polarized-electron-impact excitation of highly charged ions. Physical Review A, 2014, 90, .	2.5	28
6	Application of relativistic distorted-wave method to electron-impact excitation of highly charged Fe XXIV ion embedded in weakly coupled plasmas. Physics of Plasmas, 2018, 25, .	1.9	26
7	Calculation of the energies and oscillator strengths of Cl<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msup><mml:mrow /><mml:mrow><mml:mn>15</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math> in hot dense plasmas. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 237, 106615.	2.3	25
8	Study of relativistic excitation energies and transition data for EUV and SXR spectral lines in Ge XXIX and Kr XXXIII of fusion interest. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 234, 90-97.	2.3	20
9	Angular distribution and polarization of X-ray radiation in highly charged He-like ions: hyperfine-induced transition. European Physical Journal D, 2018, 72, 1.	1.3	19
10	Influence of electron correlation on the cross section and linear polarization of radiation emitted by electron-impact excitation of Ca+ and Ba+ ions. European Physical Journal D, 2018, 72, 1.	1.3	17
11	Study of energies and radiative properties of He-like ions within a dense plasma. Physics of Plasmas, 2019, 26, 082101.	1.9	16
12	Study of energies and oscillator strengths of Fe XXI including plasma shielding effects. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 236, 106584.	2.3	16
13	Systematic investigations of level delocalization and spectroscopy of hydrogen atom subjected to a plasma environment using various statically screened potentials. Physics of Plasmas, 2020, 27, 072105.	1.9	16
14	Practical theoretical expressions for ions embedded in Debye and quantum plasmas. Physics of Plasmas, 2019, 26, 082115.	1.9	12
15	Single-photon photoionization of highly charged ions under warm- and hot-dense plasmas using a unified description of screening. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 253, 107170.	2.3	12
16	Density and temperature dependence of the cross sections after excitation of Ar XVIII by electron impact. Physics of Plasmas, 2021, 28, .	1.9	10
17	Relativistic effects on the linear polarization and angular distribution of x-ray radiation emitted by inner-shell photoionization of atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 225202.	1.5	8
18	Polarization of fluorescence radiation following electron impact excitation of ions immersed in strongly coupled plasmas. Physics of Plasmas, 2019, 26, 112111.	1.9	7

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19	Photoionization of H-like C<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msup><mml:mrow /><mml:mrow><mml:mn>5</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math> ion in the presence of a strongly coupled plasma environment. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 245, 106847.	2.3	7
20	Development of various methods to the investigation of the spectral properties and collision dynamics of Hâ€like ions taking place in dense and hot plasma environments. International Journal of Quantum Chemistry, 2022, 122, e26842.	2.0	7
21	Polarization transfer in x-ray transitions due to photoionization in highly charged copper-like ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 045203.	1.5	6
22	Determination of the atomic structure and radiative transition properties of atoms or ions under the dense and solid density magnetized plasmas. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 277, 107999.	2.3	5
23	Electron-impact ionization of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Ne</mml:mi><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Ar</mml:mi><mml:mo>(</mml:mo><mml:mn>3</mml:mn><mml:mi>p intermediate energies: Role of the postcollision interaction. Physical Review A, 2017, 96, .	2.5	4
24	Dominance of the density effects in the magnetic sublevel population and circular polarization of x-ray radiation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 215202.	1.5	4
25	Spectroscopy characteristics and decay properties of plasma-embedded atoms in external electric and magnetic fields. Physics of Plasmas, 2022, 29, .	1.9	4
26	Theoretical study on the nondipole asymmetries of Kr 1s1/2 and 4p3/2 photoelectrons. Journal of Electron Spectroscopy and Related Phenomena, 2018, 228, 1-7.	1.7	3
27	Theoretical evaluation of excitation cross section and fluorescence polarization of a solid-density Si plasma. Physics of Plasmas, 2022, 29, 022106.	1.9	3
28	Influence of plasma screening on the energies and transition properties of the Al9+ ion using Debye and ion-sphere models. Journal of Electron Spectroscopy and Related Phenomena, 2019, 236, 12-17.	1.7	2
29	Local time dependence of the magnetic sublevel population and polarization of fluorescence radiation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 015202.	1.5	2
30	Theoretical determination of level delocalizations, plasma shifts and radiative properties of fusion relevant Ni XXII in finite temperature dense plasmas using a generalized analytical b-potential. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 266, 107570.	2.3	2
31	Influence of multipole effects on the cross section and alignment following inner-shell ionization of atoms by a linearly polarized photon. Journal of Electron Spectroscopy and Related Phenomena, 2019, 235, 60-67.	1.7	1
32	Plasma effects on the energies and oscillator strengths for the 3C and 3D lines of Ne-like Fe16+ ion. Journal of Electron Spectroscopy and Related Phenomena, 2019, 237, 146894.	1.7	1
33	State-selective quantum interference studied in the photo-recombination of Ar17+ ion. Journal of Electron Spectroscopy and Related Phenomena, 2019, 232, 29-34.	1.7	1
34	Ab initio calculations of atomic parameters of Mo XVIII of fusion interest. Atomic Data and Nuclear Data Tables, 2020, 132, 101321.	2.4	1
35	Accurate line strengths, transition rates and lifetimes of 2s2p2(4P)3s in N II. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1
36	Extended calculations for energies and EUV transition data of W LIII. Radiation Physics and Chemistry, 2019, 165, 108432.	2.8	0

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37	Theoretical energies and radiative transition parameters of W L. Radiation Physics and Chemistry, 2019, 161, 9-22.	2.8	0
38	Angular distribution of Auger electron following photoionization in Xe atom. Journal of Electron Spectroscopy and Related Phenomena, 2020, 244, 146980.	1.7	0
39	Atomic Radiation in Dense Magnetized Plasma. Few-Body Systems, 2021, 62, 1.	1.5	0
40	Relaxation effects on the magnetic cross section and fluorescence radiation polarization after 4d inner-shell photoionization of Ba-like ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 025201.	1.5	0
41	Electron-impact ionization of hydrogen and hydrogen-like ions within a magnetized quantum plasma. Journal of Electron Spectroscopy and Related Phenomena, 2022, 254, 147155.	1.7	0
42	Influence of external magnetic field on the electronic structures and radiative properties in plasma-embedded multi-electron atomic systems. Journal of Electron Spectroscopy and Related Phenomena, 2022, 258, 147223.	1.7	0