

Zhongwen Wu

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

272
citations

840776

11
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996975

15
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all docs

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docs citations

35
times ranked

138
citing authors

#	ARTICLE	IF	CITATIONS
1	Degrees of polarization of the two strongest γ lines following electron-impact excitation and dielectronic recombination processes of Cu-like to Se-like tungsten. Physical Review A, 2019, 86.	2.5	30
2	Hyperfine-induced modifications to the angular distribution of the K_{α} emission. Physical Review A, 2014, 89, .	2.4	26
3	Electron Impact Excitation and Dielectronic Recombination of Highly Charged Tungsten Ions. Atoms, 2015, 3, 474-494.	1.6	23
4	Determination of small level splittings in highly charged ions via angle-resolved measurements of characteristic x rays. Physical Review A, 2014, 90, .	2.5	18
5	Linear polarization of the characteristic x-ray lines following inner-shell photoionization of tungsten. Physical Review A, 2016, 93, .	2.5	17
6	Dielectronic recombination rate coefficients of initially rubidium-like tungsten. European Physical Journal D, 2015, 69, 1.	1.3	13
7	Influence of the Breit interaction on linear polarization of radiation lines following electron-impact excitation of the boron isoelectronic sequence. Physical Review A, 2018, 98, .	2.5	13
8	Polarization of the $n\ell$ $3d$ ($n=4, 5, 6$) x-rays from tungsten ions following electron-impact excitation and dielectronic recombination processes. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 141, 31-39.	2.3	12
9	Effect of the Breit interaction on inner-shell electron-impact excitation and subsequent radiative decay of highly charged berylliumlike ions. Physical Review A, 2020, 101, .	2.5	12
10	Level sequence and splitting identification of closely spaced energy levels by angle-resolved analysis of fluorescence light. Physical Review A, 2016, 93, .	2.5	11
11	Angle-resolved x-ray spectroscopic scheme to determine overlapping hyperfine splittings in highly charged heliumlike ions. Physical Review A, 2017, 96, .	2.5	11
12	Hyperfine-induced effects on angular emission of the magnetic-quadrupole line $1s2p^2$ 3P_2 of Fe-like ions. Physical Review A, 2020, 102, .	2.5	11
13	Angular Distribution and Polarization of the $3C$ and $3D$ Lines Following Electron-impact Excitation of Fe^{16+} Ions. Astrophysical Journal, 2021, 910, 142.	4.5	9
14	Tune-out wavelengths of the hyperfine components of the ground level of Cs^{133} atoms. Physical Review A, 2020, 102, .	2.5	7
15	Reply to "Comment on "Hyperfine-induced modifications to the angular distribution of the K_{α} emission". Physical Review A, 2015, 91, .	2.4	6
16	Nuclear magnetic dipole moment effect on the angular distribution of the K_{α} lines. Physica Scripta, 2015, T166, 014029.	2.5	6
17	Angle-dependent magic wavelengths for the $4s$ $^2S_{1/2}$ \rightarrow $4p$ $^2P_{1/2}$ transitions of Ca^{25+} . Physical Review A, 2019, 99, .	2.5	5
18	Anisotropy and polarization of x-ray line emissions in the dielectronic recombination of hydrogenlike Fe^{25+} ions. Physical Review A, 2021, 104, .	2.5	5

#	ARTICLE	IF	CITATIONS
19	State-selective nonradiative electron capture in collisions of 95e^{-} 197Xe ions. <i>Physical Review A</i> , 2022, 105, .	2.5	5
20	Hyperfine-induced effects on the angular distribution following electron-impact excitation of heliumlike spin- $\frac{1}{2}$ ions. <i>Physical Review A</i> , 2022, 105, .	2.5	5
21	Angular and polarization properties of the Lyman- α line of Ti^{17+} ions. <i>Physical Review A</i> , 2022, 105, .	2.5	5
22	Calculations of Dielectronic Recombination and Electron-impact Excitation Rate Coefficients of Highly Charged Sulfur Ions. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 22.	7.7	4
23	Revisiting the emission behavior of the characteristic line P_{11} of P^{11+} ions. <i>Physical Review A</i> , 2022, 105, .	2.5	4
24	Effect of the Breit interaction on the angular distribution of Auger electrons following electron-impact excitation of highly charged Be-like ions. <i>Physical Review A</i> , 2022, 105, .	2.5	4
25	Tune-out and magic wavelengths of Ba^{37+} ions. <i>Physical Review A</i> , 2021, 103, .	2.5	4
26	Relativistic R-matrix calculations of the photoionization of W^{63+} ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021, 54, 065001.	1.5	2
27	Apparent change of the 3C/3D line intensity ratio in neonlike ions. <i>Optics Express</i> , 2022, 30, 25326.	3.4	2
28	Energy levels, absorption oscillator strengths, transition probabilities, polarizabilities, and factors of Ar^{17+} ions. <i>Physical Review A</i> , 2022, 106, .	2.5	2
29	Linear polarization of x-rays emitted in the decay of highly-charged ions via overlapping resonances. <i>Journal of Physics: Conference Series</i> , 2015, 635, 012020.	0.4	1
30	Theoretical study on electron impact excitation and recombination of highly charged ions. <i>Journal of Physics: Conference Series</i> , 2012, 388, 012004.	0.4	0
31	The linear polarization of emission lines from EIE and DR of highly charged tungsten ions. <i>Journal of Physics: Conference Series</i> , 2012, 388, 062008.	0.4	0
32	Polarization of the strongest $n\text{f}\hat{1}^{\prime}3d$ ($n = 4, 5, 6$) radiative lines emitted from tungsten ions following EIE and DR processes. <i>Journal of Physics: Conference Series</i> , 2014, 488, 062021.	0.4	0
33	Theoretical study of inner-shell electron-impact excitation of highly charged ions: Alignment and angular distribution of electron emission. <i>Journal of Physics: Conference Series</i> , 2014, 488, 062020.	0.4	0
34	Resonance contribution to electron-impact excitation rate coefficients of helium-like S^{14+} ions. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 132017.	0.4	0
35	K-shell electron-impact excitation and polarization of x-ray emission of Fe^{20+} ion. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 132019.	0.4	0