

Mokhtar K Inal

List of Publications by Year in descending order

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33
papers

717
citations

686830

13
h-index

525886

27
g-index

35
all docs

35
docs citations

35
times ranked

162
citing authors

#	ARTICLE	IF	CITATIONS
1	Computations of the multipole cross sections for directional excitation of ions by electron impact. Physical Review A, 2021, 104, .	1.0	1
2	Multipole cross sections for collisional excitation of highly charged ions by isotropic electrons. X-Ray Spectrometry, 2020, 49, 65-68.	0.9	2
3	Density dependence of intensity ratios of the 3d $\hat{1}^{\circ}$ 2p x-ray anisotropic emission from electron-beam excited Ar13+ ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 185701.	0.6	2
4	Collisional-radiative calculations for the $J=0 \rightarrow 1$ lasing line of neon-like germanium under anisotropic excitation conditions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 035701.	0.6	6
5	Kinetic equations for cylindrically symmetric plasmas including atomic coherence and Coulomb potential effects. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 095701.	0.6	0
6	The creation, destruction, and transfer of multipole moments in electron-ion three-body recombination using the Gell-Mann-Goldberger-Watson method. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 055202.	0.6	0
7	Comment on "Hyperfine-induced modifications to the angular distribution of the $K\alpha$ emission". Physical Review A, 2015, 91, .	0.6	0
8	Partial cross sections for radiative recombination of bare ions : effects of relativity and radiation multipoles. Journal of Physics: Conference Series, 2015, 635, 042004.	0.3	0
9	Collisional-radiative calculations for the 3p1S0 $\hat{1}^{\circ}$ 3s3P1 lasing line of neonlike germanium under anisotropic collision conditions. Journal of Physics: Conference Series, 2015, 635, 052031.	0.3	0
10	The creation, destruction and transfer of multipole moments in electron-ion three-body recombination. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 035001.	0.6	0
11	Polarization of the Lyman line emission following radiative recombination of bare ions: effects of relativity and radiation multipoles. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 105205.	0.6	7
12	The creation, destruction, and transfer of multipole moments in electron- and proton-impact ionization of atoms and ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 245202.	0.6	1
13	Ne IX line G-ratio in a non-Maxwellian and anisotropic plasma. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 085701.	0.6	8
14	Creation, destruction, and transfer of atomic multipole moments by electron scattering: Liouville-space formulation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 085202.	0.6	2
15	The creation, destruction and transfer of multipole moments in electron scattering by ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 105202.	0.6	10
16	Effects of the radiative recombination on the intensity and polarization of the Ly- $\hat{1}^{\circ}$ emission of hydrogen-like ions. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 3509-3516.	0.6	4
17	Polarization transfer in the inner-shell photoionization of sodiumlike ions. Physical Review A, 2010, 81, .	1.0	26
18	Effect of directional energetic electrons on the density diagnostic of hot plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 055701.	0.6	15

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19	Density dependence of the intensity ratio of He-like triplet lines emitted from anisotropic non-Maxwellian plasmas. <i>Journal of Physics: Conference Series</i> , 2009, 194, 062010.	0.3	0
20	Polarization of line radiation due to mixed E1 \leftrightarrow M2 transitions. Application to hyperfine components of the heliumlike 1s2p3P2 \leftrightarrow 1s21S0line. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 4131-4146.	0.6	22
21	Density dependence of the polarization of the 23P1 \leftrightarrow 11S0intercombination line emitted by helium-like neon excited by an electron beam. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 547-563.	0.6	13
22	Linear polarization of the 2p53s \leftrightarrow 2p6lines following the inner-shell photoionization of sodiumlike ions. <i>Physical Review A</i> , 2005, 72, .	1.0	29
23	Effect of inner-shell ionization on the circular polarization of the Fe24+ \leftrightarrow (1s2s)1 \leftrightarrow (1s2)0line produced by collisions with a longitudinally polarized electron beam. <i>Physical Review A</i> , 2002, 65, .	1.0	18
24	Theoretical predictions for the polarization of X-ray laser lines in the presence of a directed beam of hot electrons. <i>European Physical Journal Special Topics</i> , 2001, 11, Pr2-277-Pr2-283.	0.2	4
25	Ionization to specific magnetic sublevels by an electron beam: Application to the effect of inner-shell ionization on the polarization of Se24+lines. <i>Physical Review A</i> , 2001, 63, .	1.0	11
26	Effects of hyperfine interaction on the circular polarization of the Sc XX x-ray lines. <i>Physica Scripta</i> , 1997, 55, 170-180.	1.2	22
27	Polarization measurements on a magnetic quadrupole line in Ne-like barium. <i>Physical Review A</i> , 1996, 54, 1342-1350.	1.0	99
28	Diagnostics of the anisotropy of the electron distribution from the analysis of x-ray line polarization. <i>Physica Scripta</i> , 1996, T65, 179-182.	1.2	13
29	Polarization of Fe xxv 1s2-1s2llines: Collisional resonances and radiative cascade contributions to 1s2lmagnetic-sublevel excitation rates. <i>Physical Review A</i> , 1993, 47, 4794-4806.	1.0	34
30	X-ray-line polarization spectroscopy in laser-produced plasmas. <i>Physical Review E</i> , 1993, 48, 4648-4658.	0.8	101
31	Circular polarization of the Fe xxv x-ray lines following collisional excitation by longitudinally polarized electrons. <i>Physical Review A</i> , 1992, 46, 2449-2461.	1.0	27
32	Polarisation of dielectronic recombination satellite lines. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1989, 22, 3329-3341.	0.6	79
33	Theory of excitation of He-like and Li-like atomic sublevels by directive electrons: application to X-ray line polarisation. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1987, 20, 4221-4239.	1.6	149