

Mokhtar K Inal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5266100/publications.pdf>

Version: 2024-02-01

33
papers

717
citations

687363
13
h-index

526287
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, .	2.5	1
2	Multipole cross sections for collisional excitation of highly charged ions by isotropic electrons. X-Ray Spectrometry, 2020, 49, 65-68.	1.4	2
3	Density dependence of intensity ratios of the 3d \rightarrow 2p x-ray anisotropic emission from electron-beam excited Ar ¹³⁺ ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 185701.	1.5	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.	1.5	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.	1.5	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.	1.5	0
7	Comment on "Hyperfine-induced modifications to the angular distribution of the $K\alpha$ emission". Physical Review A, 2015, 91, .	1.5	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.	0.4	0
9	Collisional-radiative calculations for the 3p ¹ S ⁰ \rightarrow 3s ³ P ¹ lasing line of neonlike germanium under anisotropic collision conditions. Journal of Physics: Conference Series, 2015, 635, 052031.	0.4	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.	1.5	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.	1.5	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.	1.5	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.	1.5	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.	1.5	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.	1.5	10
16	Effects of the radiative recombination on the intensity and polarization of the Ly- β emission of hydrogen-like ions. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 3509-3516.	1.4	4
17	Polarization transfer in the inner-shell photoionization of sodiumlike ions. Physical Review A, 2010, 81, .	2.5	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.	1.5	15

#	ARTICLE	IF	CITATIONS
19	Density dependence of the intensity ratio of He-like triplet lines emitted from anisotropic non-Maxwellian plasmas. Journal of Physics: Conference Series, 2009, 194, 062010.	0.4	0
20	Polarization of line radiation due to mixed E1+E2 transitions. Application to hyperfine components of the heliumlike 1s2p3P ^o 1s21S ^o line. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 4131-4146.	1.5	22
21	Density dependence of the polarization of the 23P1 ^o 11S ^o intercombination line emitted by helium-like neon excited by an electron beam. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 547-563.	1.5	13
22	Linear polarization of the 2p53s ^o 2p6 lines following the inner-shell photoionization of sodiumlike ions. Physical Review A, 2005, 72, .	2.5	29
23	Effect of inner-shell ionization on the circular polarization of the Fe24+ ϵ , (1s2s)1 ^o (1s2)0 line produced by collisions with a longitudinally polarized electron beam. Physical Review A, 2002, 65, .	2.5	18
24	Theoretical predictions for the polarization of X-ray laser lines in the presence of a directed beam of hot electrons. European Physical Journal Special Topics, 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. Physical Review A, 2001, 63, .	2.5	11
26	Effects of hyperfine interaction on the circular polarization of the Sc XX x-ray lines. Physica Scripta, 1997, 55, 170-180.	2.5	22
27	Polarization measurements on a magnetic quadrupole line in Ne-like barium. Physical Review A, 1996, 54, 1342-1350.	2.5	99
28	Diagnostics of the anisotropy of the electron distribution from the analysis of x-ray line polarization. Physica Scripta, 1996, T65, 179-182.	2.5	13
29	Polarization of Fe xxv 1s2-1s2 lines: Collisional resonances and radiative cascade contributions to 1s2 magnetic-sublevel excitation rates. Physical Review A, 1993, 47, 4794-4806.	2.5	34
30	X-ray-line polarization spectroscopy in laser-produced plasmas. Physical Review E, 1993, 48, 4648-4658.	2.1	101
31	Circular polarization of the Fe xxv x-ray lines following collisional excitation by longitudinally polarized electrons. Physical Review A, 1992, 46, 2449-2461.	2.5	27
32	Polarisation of dielectronic recombination satellite lines. Journal of Physics B: Atomic, Molecular and Optical Physics, 1989, 22, 3329-3341.	1.5	79
33	Theory of excitation of He-like and Li-like atomic sublevels by directive electrons: application to X-ray line polarisation. Journal of Physics B: Atomic and Molecular Physics, 1987, 20, 4221-4239.	1.6	149