

Jon Grumer

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

445
citations

687363

13
h-index

752698

20
g-index

32
all docs

32
docs citations

32
times ranked

341
citing authors

#	ARTICLE	IF	CITATIONS
1	http://www.w3.org/1998/Math/MathML and Mg^+	7.8	7
2	On the validity of steady-state for nebular phase kilonovae. Monthly Notices of the Royal Astronomical Society, 2022, 510, 3806-3837.	4.4	23
3	NLTE effects on kilonova expansion opacities. Monthly Notices of the Royal Astronomical Society, 2022, 513, 5174-5197.	4.4	21
4	Storage-ring study of the mutual neutralization of N^+ with O^- . Physical Review A, 2022, 105.	2.5	4
5	Mutual Neutralization in Li^+ and Na^+ Non-LTE Modeling of Stellar Spectra. Astrophysical Journal, 2021, 908, 245.	4.5	11
6	Final-state-resolved mutual neutralization of Na^+ and D^- . Physical Review A, 2021, 103, .	2.5	13
7	Experimental and theoretical studies of excited states in Ir^+ . Physical Review A, 2021, 103, .	2.5	13
8	Mutual neutralisation of O^+ with O^- : investigation of the role of metastable ions in a combined experimental and theoretical study. Physical Chemistry Chemical Physics, 2021, 23, 24607-24616.	2.8	5
9	Excitation and charge transfer in low-energy hydrogen atom collisions with neutral manganese and titanium. Astronomy and Astrophysics, 2020, 637, A28.	5.1	6
10	Negative ion relaxation and reactions in a cryogenic storage ring. Journal of Physics: Conference Series, 2020, 1412, 062006.	0.4	1
11	Cryogenic merged-ion-beam experiments in DESIREE: Final-state-resolved mutual neutralization of Li^+ and D^- . Physical Review A, 2020, 102, .	2.5	18
12	Hfszeeman95A program for computing weak and intermediate magnetic-field- and hyperfine-induced transition rates. Computer Physics Communications, 2020, 253, 107211.	7.5	18
13	The 3D non-LTE solar nitrogen abundance from atomic lines. Astronomy and Astrophysics, 2020, 636, A120.	5.1	15
14	Carbon monoxide formation and cooling in supernovae. Astronomy and Astrophysics, 2020, 642, A135.	5.1	11
15	A First Spectroscopic Measurement of the Magnetic-field Strength for an Active Region of the Solar Corona. Astrophysical Journal Letters, 2020, 898, L34.	8.3	26
16	Resolving a discrepancy between experimental and theoretical lifetimes in atomic negative ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 025001.	1.5	10
17	ATOMIC-LEVEL PSEUDO-DEGENERACY OF ATOMIC LEVELS GIVING TRANSITIONS INDUCED BY MAGNETIC FIELDS, OF IMPORTANCE FOR DETERMINING THE FIELD STRENGTHS IN THE SOLAR CORONA. Astrophysical Journal, 2016, 826, 219.	4.5	35
18	Analysis of the competition between forbidden and hyperfine-induced transitions in Ne-like ions. Physical Review A, 2016, 93, .	2.5	7

#	ARTICLE	IF	CITATIONS
19	Energy levels and radiative data for Kr-like W^{38+} from MCDHF and RMBPT calculations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 135003.	1.5	13
20	A NOVEL METHOD TO DETERMINE MAGNETIC FIELDS IN LOW-DENSITY PLASMA FACILITATED THROUGH ACCIDENTAL DEGENERACY OF QUANTUM STATES IN Fe^{9+} . Astrophysical Journal, 2015, 807, 69.	4.5	37
21	HYPERFINE-DEPENDENT g_f -VALUES OF Mn I LINES IN THE 1.49-1.80 μ m H BAND. Astrophysical Journal, Supplement Series, 2015, 216, 2.	7.7	6
22	Magnetic field induced transition rates in Ne- and Be-like ions for plasma diagnostics and E1M1 two-photon decay rate determination. Journal of Physics: Conference Series, 2014, 488, 152005.	0.4	1
23	Coronal lines and the importance of deep-core valence correlation in Ag-like ions. Physical Review A, 2014, 89, .	2.5	20
24	Forbidden-line spectroscopy of the ground-state configuration of Cd-like W. Physical Review A, 2014, 90, .	2.5	32
25	Unexpected transitions induced by spin-dependent, hyperfine and external magnetic-field interactions. Physica Scripta, 2014, 89, 114002.	2.5	20
26	The M1 ground state fine structure transition in Ag-like Yb. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 185004.	1.5	5
27	Theoretical investigation of magnetic field induced $\frac{M^2}{P^5}$	2.5	16
28	Effect of an external magnetic field on the determination of E1M1 two-photon decay rates in Be-like ions. Physical Review A, 2013, 88, .	2.5	18
29	A spectral study of Te V from MCDHF calculations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 095001.	1.5	1
30	Experimental and theoretical study of the ground-state M^2 transition in Ag-like tungsten. Physical Review A, 2012, 86, .	2.5	34
31	Hyperfine induced intensity redistribution in In $h\nu$. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 074012.	1.5	5