Kanti M Aggarwal

List of Publications by Year
in descending order

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69	757	516710 16	642732 23
papers	citations	h-index	g-index

69	69	69	415
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Energy levels and radiative rates for transitions in Mg-like iron, cobalt and nickel. Atomic Data and Nuclear Data Tables, 2007, 93, 615-710.	2.4	77
2	Resolving the Soft X-Ray Ultrafast Outflow in PDS 456. Astrophysical Journal, 2020, 895, 37.	4.5	42
3	Energy levels and radiative rates for transitions in B-like to F-like Kr ions (Kr XXXIIâ€“XXVIII). Atomic Data and Nuclear Data Tables, 2008, 94, 323-559.	2.4	41
4	Oscillator Strengths for Transitions in Câ€like Ne, Mg, Si, and S Ions. Astrophysical Journal, Supplement Series, 1998, 118, 589-602.	7.7	32
5	Energy levels and radiative rates for transitions in Ni XIIIâ€“Ni XVI. Atomic Data and Nuclear Data Tables, 2003, 85, 453-494.	2.4	27
6	Energy levels and radiative rates for transitions in B-like to F-like Xe ions (Xe Lâ€“XLVI). Atomic Data and Nuclear Data Tables, 2010, 96, 123-270.	2.4	25
7	Energy levels, radiative rates, and electron impact excitation rates for transitions in Li-like ions with 21â‰Zâ‰28. Atomic Data and Nuclear Data Tables, 2012, 98, 1003-1095.	2.4	22
8	Energy levels, radiative rates, and electron impact excitation rates for transitions in Li-like ions with. Atomic Data and Nuclear Data Tables, 2013, 99, 156-248.	2.4	22
9	Radiative rates for E1, E2, M1, and M2 transitions in S-like to F-like tungsten ions (WÂLIX to WÂLXVI). Atomic Data and Nuclear Data Tables, 2016, 111-112, 187-279.	2.4	22
10	Energy levels, radiative rates and electron impact excitation rates for transitions in Feâ€‰xiv. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2015-2027.	4.4	20
11	Energy levels, radiative rates and electron impact excitation rates for transitions in Siâ€‰ii. Monthly Notices of the Royal Astronomical Society, 2014, 442, 388-400.	4.4	20
12	Assessment of Atomic Data: Problems and Solutions. Fusion Science and Technology, 2013, 63, 363-371.	1.1	18
13	Energy levels, radiative rates, and lifetimes for transitions in W XL. Atomic Data and Nuclear Data Tables, 2014, 100, 1399-1518.	2.4	18
14	Electron impact excitation of Be-like ions: a comparison of darc and icft results. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3849-3855.	4.4	18
15	Effective collision strengths for optically allowed transitions among degenerate levels of hydrogenic ions with. Atomic Data and Nuclear Data Tables, 2010, 96, 481-530.	2.4	17
16	Energy levels, radiative rates and electron impact excitation rates for transitions in Si XII, Si XIII and Si XIV. Physica Scripta, 2010, 82, 065302.	2.5	16
17	Energy levels, radiative rates and electron impact excitation rates for transitions in He-like Cl XVI, K XVIII, Ca XIX and Sc XX. Physica Scripta, 2012, 85, 025306.	2.5	13
18	Energy levels, radiative rates and electron impact excitation rates for transitions in He-like Mg XI, Al XII, P XIV and S XV. Physica Scripta, 2012, 85, 025305.	2.5	13

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19	Emission Line Ratios of FE III as Astrophysical Plasma Diagnostics. Astrophysical Journal, 2017, 841, 3.	4.5	13
20	Energy levels, radiative rates and electron impact excitation rates for transitions in He-like Fe XXV, Co XXVI, Ni XXVII, Cu XXVIII and Zn XXIX. Physica Scripta, 2013, 87, 055302.	2.5	12
21	Energy levels, radiative rates and electron impact excitation rates for transitions in Câ€‰iii. Monthly Notices of the Royal Astronomical Society, 2015, 450, 1151-1163.	4.4	12
22	Radiative rates for E1, E2, M1, and M2 transitions in F-like ions with <mml:math altimg="si3321.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xm. At	2.4	12
23	Discrepancies in Atomic Data and Suggestions for Their Resolutions. Atoms, 2017, 5, 37.	1.6	12
24	Electron Impact Excitation of O VI. Physica Scripta, 2004, 70, 222-234.	2.5	11
25	Energy levels, radiative rates and electron impact excitation rates for transitions in Be-like Ti XIX. Physica Scripta, 2012, 86, 055301.	2.5	11
26	Energy levels, radiative rates, and lifetimes for transitions in W LVIII. Atomic Data and Nuclear Data Tables, 2014, 100, 1603-1767.	2.4	11
27	Energy levels and radiative rates for transitions in Cr-like Co IV and Ni V. Atomic Data and Nuclear Data Tables, 2016, 107, 140-220.	2.4	11
28	Energy levels, radiative rates and electron impact excitation rates for transitions in Alâ€‰xâ˜…. Monthly Notices of the Royal Astronomical Society, 2013, 438, 1223-1232.	4.4	10
29	Comment on â€œMulticonfiguration Diracâ€“Fock energy levels and radiative rates for Br-like tungstenâ€• by S. Aggarwal, A.K.S. Jha, and M. Mohan [Can. J. Phys. 91, 394 (2013)]. Canadian Journal of Physics, 2014, 92, 545-550.	1.1	9
30	Electron Impact Excitation of F-Like W LXVI. Atoms, 2016, 4, 24.	1.6	9
31	Electron Impact Excitation of Mo XXXIV. Physica Scripta, 2004, 69, 176-188.	2.5	8
32	Energy levels, radiative rates and electron impact excitation rates for transitions in Be-like Cl XIV, K XVI and Ge XXIX. Physica Scripta, 2014, 89, 125401.	2.5	8
33	Comment on â€œAtomic structure calculations for F-like tungstenâ€•by S. Aggarwal [Chin. Phys B 23 (2014) 093203]. Chinese Physics B, 2016, 25, 043201.	1.4	8
34	Electron impact excitation rates for transitions in Mg V. Canadian Journal of Physics, 2017, 95, 9-20.	1.1	8
35	Electron impact excitation of Kr XXXII. Atomic Data and Nuclear Data Tables, 2009, 95, 607-750.	2.4	7
36	Energy levels, radiative rates and electron impact excitation rates for transitions in He-like Ti XXI, V XXII, Cr XXIII and Mn XXIV. Physica Scripta, 2012, 85, 065301.	2.5	7

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37	Energy levels, radiative rates and lifetimes for transitions in Br-like ions with 38 â©½ Z â©½ 42. Physica Scripta, 2014, 89, 125404.	2.5	7
38	ULTRAVIOLET EMISSION LINES OF Si ii IN QUASARSâ€”INVESTIGATING THE â€œSi ii DISASTERâ€• Astrophysical Journal, 2016, 825, 28.	4.5	7
39	Energy levels, radiative rates and electron impact excitation rates for transitions in He-like Kr XXXV. Physica Scripta, 2012, 86, 035302.	2.5	6
40	Energy levels and radiative rates for transitions in Ti X. Physica Scripta, 2013, 88, 025303.	2.5	6
41	Energy levels and radiative rates for transitions in Cr-like KrÂXIII, TcÂXX and XeÂXXXI. Atomic Data and Nuclear Data Tables, 2018, 120, 263-292.	2.4	6
42	Energy levels, radiative rates and electron impact excitation rates for transitions in He-like Ga XXX, Ge XXXI, As XXXII, Se XXXIII and Br XXXIV. Physica Scripta, 2013, 87, 045304.	2.5	5
43	Energy levels and radiative rates for Cr-like Cu VI and Zn VII. Atomic Data and Nuclear Data Tables, 2016, 111-112, 280-345.	2.4	5
44	Ultraviolet emission lines of Siâ€‰ii in cool star and solar spectra. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3405-3412.	4.4	5
45	Radiative rates for E1, E2, M1, and M2 transitions in F-like ions with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml10420" display="inline" overflow="scroll" altimg="si6.gif"><mml:mn>55</mml:mn><mml:mo>â‰¤</mml:mo><mml:mi>Z</mml:mi><mml:mo>â‰¤</mml:mo><mml:mn>73</mml:mn></m Atomic Data and Nuclear Data Tables, 2018, 123-124, 168-299.	2.4	5
46	Radiative rates for E1, E2, M1, and M2 transitions in F-like ions with 12 â‰¤ Z â‰¤ 23. Atomic Data and Nuclear Data Tables, 2019, 127-128, 22-130.	2.4	5
47	Energy levels and radiative rates for transitions in S-like ScÂVI, V VIII, Cr IX, and MnÂX. Atomic Data and Nuclear Data Tables, 2020, 131, 101284.	2.4	5
48	Radiative rates for E1, E2, M1, and M2 transitions among the 3s23p5, 3s3p6, and 3s23p43d configurations of Cl-like W LVIII. Canadian Journal of Physics, 2014, 92, 1166-1177.	1.1	4
49	Comment on â€œAtomic structure calculations and identification of EUV and SXR spectral lines in Sr XXXâ€•by A. Goyal, I. Khatri, S. Aggarwal, A.K. Singh, M. Mohan [J Quant Spectrosc Radiat Transf 2015;161:157]. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 166, 108.	2.3	4
50	Radiative rates for E1, E2, M1, and M2 transitions in the Br-like ions Sr IV, Y V, Zr VI, Nb VII, and Mo VIII. Atomic Data and Nuclear Data Tables, 2015, 105-106, 9-104.	2.4	4
51	Energy levels and radiative rates for transitions in Fe V, Co VI and Ni VII. Atomic Data and Nuclear Data Tables, 2017, 114, 1-60.	2.4	4
52	Energy levels, radiative rates and electron impact excitation rates for transitions in SiÂIII. Atomic Data and Nuclear Data Tables, 2017, 117-118, 320-424.	2.4	4
53	Radiative Rates and Electron Impact Excitation Rates for Transitions in He II. Atoms, 2017, 5, 19.	1.6	4
54	Radiative rates for E1, E2, M1, and M2 transitions in Ne-like Hf LXIII, Ta LXIV and Re LXVI. Atomic Data and Nuclear Data Tables, 2019, 125, 261-286.	2.4	4

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55	Comment on â€œElectron impact excitation and ionization cross section of tungsten ions, W<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si6.gif" overflow="scroll"><mml:msup><mml:mrow /><mml:mrow><mml:mn>44</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>â€• by El-Maaref etÂal.Â [J. Quant. Spectrosc. Radiat. Transfer 2019, 224:147]. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 231, 136-139.	2.3	4
56	Electron impact excitation of Kr XXVIII. Atomic Data and Nuclear Data Tables, 2011, 97, 225-344.	2.4	3
57	Comment on â€œRelativistic atomic data for W XLVIIâ€•by S. Aggarwal et al. [Chin. Phys. B 24 (2015) 053201]. Chinese Physics B, 2015, 24, 123201.	1.4	3
58	Energy levels and radiative rates for transitions in Ti VII. Physica Scripta, 2013, 88, 065304.	2.5	2
59	Energy Levels and Radiative Rates for Transitions in F-like Sc XIII and Ne-like Sc XII and Y XXX. Atoms, 2018, 6, 25.	1.6	2
60	Collision Strengths and Effective Collision Strengths for Allowed Transitions among the n â‰¤ 5 Degenerate Levels of Atomic Hydrogen. Atoms, 2018, 6, 37.	1.6	2
61	Comment on â€œCollision strength and effective collision strength for Ba XLVIIIâ€•by Mohan et al. [Can. J. Phys. 95, 173 (2017)]. Canadian Journal of Physics, 2018, 96, 1155-1157.	1.1	2
62	Radiative rates for E1, E2, M1, and M2 transitions in Ne-like Cu XX, Zn XXI and Ga XXII. Atomic Data and Nuclear Data Tables, 2019, 125, 226-260.	2.4	2
63	Radiative rates for E1, E2, M1, and M2 transitions in Br-like ions with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si17146.gif" display="inline" overflow="scroll"><mml:mn>43</mml:mn><mml:mo>â‰¤</mml:mo><mml:mi>Z</mml:mi><mml:mo>â‰¤</mml:mo><mml:mn>50</mml:mn></mml:math> Atomic Data and Nuclear Data Tables, 2016, 107, 221-366.	2.4	1
64	Comment on â€œCollision strength and effective collision strength for Br XXVIIâ€•by Goyal et al. [Can. J. Phys. 95, 1127 (2017)]. Canadian Journal of Physics, 2018, 96, 1158-1161.	1.1	1
65	Comment on â€œConfiguration interaction calculations and excitation rates of X-ray and EUV transitions in sulfurlike manganeseâ€•by El-Maaref et al. [J. Elect. Spectrosc. Related Phen. 215 (2017) 22]. Journal of Electron Spectroscopy and Related Phenomena, 2019, 235, 46-50.	1.7	1
66	Population modelling of the He II energy levels in tokamak plasmas: I. Collisional excitation model. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 045001.	1.5	1
67	Comment on â€œEnergy levels, oscillator strengths, and transition probabilities for sulfur-like scandium, ScÂVIâ€•by El-Maaref et al.Â [Indian J. Phys. 91 1029 (2017)]. Indian Journal of Physics, 2021, 95, 797-800.	1.8	1
68	Electron impact excitation of Astrophysically Important C III Ion. Proceedings of the International Astronomical Union, 2015, 11, .	0.0	0
69	Electron Impact Excitation of S III: An Assessment. Atoms, 2019, 7, 78.	1.6	0