

P C Deshmukh

List of Publications by Year in descending order

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61
papers

965
citations

471061

17
h-index

500791

28
g-index

62
all docs

62
docs citations

62
times ranked

411
citing authors

#	ARTICLE	IF	CITATIONS
1	Unusual behavior of Cooper minima of s subshells in high- Z atoms. <i>Physical Review A</i> , 2022, 105, .	1.0	3
2	Time delay in atomic and molecular collisions and photoionisation/photodetachment. <i>International Reviews in Physical Chemistry</i> , 2021, 40, 127-153.	0.9	11
3	Electronic structure and dynamics of confined atoms. <i>European Physical Journal D</i> , 2021, 75, 1.	0.6	15
4	Time delay in negative ion photodetachment. <i>Physica Scripta</i> , 2021, 96, 114005.	1.2	1
5	Relativistic and correlation effects in the photoionization dynamics of oganesson s subshell: Spin-orbit-interaction-activated interchannel coupling effects. <i>Physical Review A</i> , 2020, 102, .	1.0	4
6	Effect of SOIAC on photoionization time delay of the Xe 3d subshell. <i>Journal of Physics: Conference Series</i> , 2020, 1412, 152025.	0.3	0
7	Photoionization of superheavy atoms: correlation and relativistic effects. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 205203.	0.6	4
8	Spin-Orbit Interaction Features in Near-Threshold Photoionization Dynamics: An Energy- and Angle-Dependent Study. <i>Springer Proceedings in Physics</i> , 2019, , 74-85.	0.1	0
9	Wigner-Eisenbud-Smith photoionization time delay due to autoionization resonances. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 065008.	0.6	9
10	Intershell-correlation-induced time delay in atomic photoionization. <i>Physical Review A</i> , 2018, 98, .	1.0	15
11	Photoionization of atomic barium subshells in the d region using the relativistic multiconfiguration Tamm-Dancoff approximation. <i>Physical Review A</i> , 2017, 95, .	1.0	4
12	Wigner time delay and spin-orbit activated confinement resonances. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 175001.	0.6	15
13	Angle-resolved Wigner time delay in atomic photoionization: The d subshell of free and confined Xe. <i>Physical Review A</i> , 2017, 96, .	1.0	10
14	Attosecond time delay in the photoionization of Mn in the region of the p giant resonance. <i>Physical Review A</i> , 2015, 91, .	1.0	10
15	Photoabsorption studies of some closed-shell ions in the La isonuclear sequence. <i>Physical Review A</i> , 2015, 91, .	1.0	1
16	Dipole phase and photoelectron group delay in inner-shell photoionization. <i>Physical Review A</i> , 2015, 92, .	1.0	18
17	Autoionization resonances in the neon isoelectronic sequence using relativistic multichannel quantum-defect theory. <i>Physical Review A</i> , 2015, 91, .	1.0	12
18	Relativistic effects in photoionization time delay near the Cooper minimum of noble-gas atoms. <i>Physical Review A</i> , 2014, 90, .	1.0	34

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37	Krypton E2 photoionization cross-section and angular distribution of photoelectrons. Journal of Physics: Conference Series, 2007, 80, 012001.	0.3	3
38	Resonance-induced deviations of \hat{I}^2 from 2.0 for rare gas s-subshell photoionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, L335-L343.	0.6	16
39	The real effects of pseudo forces. Resonance, 2004, 9, 74-85.	0.2	3
40	Absolute photoionization cross sections and resonance structure of doubly ionized silicon in the region of the $2p\pi^*1$ threshold: Experiment and theory. Physical Review A, 2003, 68, .	1.0	15
41	Interchannel Coupling in Ionic Photoionization Far above Threshold: The Neon Isoelectronic Sequence. Astrophysical Journal, 2003, 595, 1307-1312.	1.6	4
42	Relativistic Dynamical Effects in Atomic Photoabsorption. , 2002, , 205-212.		0
43	Absolute Measurements and Theoretical Calculations of Photoionization Cross Sections along the Isonuclear Sequence of Multiply Charged Barium Ions. Physical Review Letters, 2001, 87, 273002.	2.9	36
44	Interchannel coupling in the photoionization of the M shell of Kr well above threshold: Experiment and theory. Physical Review A, 2001, 63, .	1.0	24
45	Dynamical Relativistic Effects in Photoionization: Spin-Orbit-Resolved Angular Distributions of Xenon 4d Photoelectrons near the Cooper Minimum. Physical Review Letters, 2001, 87, 123004.	2.9	18
46	Relativistic Effects in Atomic and Ionic Photoionization: "Anomalous" Behavior at the Low End of Isoelectronic Sequences. Astrophysical Journal, 2000, 537, 1094-1099.	1.6	7
47	Relativistic effects in the photoionization of atomic beryllium. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, 3383-3389.	0.6	17
48	Relativistic effects in the photoionization of Ne-like iron. Physical Review A, 1999, 60, 4577-4581.	1.0	13
49	Anomalous Behavior of the Near-Threshold Photoionization Cross Section of the Neon Isoelectronic Sequence: A Combined Experimental and Theoretical Study. Physical Review Letters, 1999, 83, 2151-2154.	2.9	27
50	Validity of the independent-particle approximation in x-ray photoemission: The exception, not the rule. Physical Review A, 1999, 60, R2641-R2644.	1.0	51
51	Photoionization of some closed shell atoms and ions. Pramana - Journal of Physics, 1998, 50, 607-615.	0.9	1
52	Beyond the dipole approximation: angular-distribution effects in valence photoemission. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, L727-L733.	0.6	98
53	Breakdown of the Independent Particle Approximation in High-Energy Photoionization. Physical Review Letters, 1997, 78, 4553-4556.	2.9	100
54	Generalized oscillator strength studies for electron-impact 2s ionization of some low- and intermediate-Z atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, 943-954.	0.6	1

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55	Calculations of generalized oscillator strength for electron-impact excitations of krypton and xenon using a relativistic local-density potential. <i>Physical Review A</i> , 1992, 46, 2513-2518.	1.0	8
56	Low- and intermediate-energy photoionisation of palladium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1990, 23, 61-76.	0.6	7
57	Xenon 4p photoionization near the 4d Cooper minimum: Interchannel coupling effects. <i>Physical Review A</i> , 1989, 40, 2400-2403.	1.0	16
58	Angle-resolved photoemission from the Ar 2p subshell. <i>Physical Review A</i> , 1988, 38, 2371-2374.	1.0	37
59	Near-threshold structure in the photoionization of krypton 3p. <i>Physical Review A</i> , 1988, 37, 1773-1774.	1.0	10
60	Photoionisation of K ⁺ ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1988, 21, L281-L283.	0.6	12
61	Eisenbudâ€™Wignerâ€™Smith time delay in atomâ€™laser interactions. <i>European Physical Journal: Special Topics</i> , 0, , 1.	1.2	11