

Takeshi Odagiri

List of Publications by Year in descending order

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35
papers

330
citations

840776

11
h-index

888059

17
g-index

35
all docs

35
docs citations

35
times ranked

206
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution total-cross-section measurements for electron scattering from Ar, Kr, and Xe employing a threshold-photoelectron source. <i>Physical Review A</i> , 2011, 84, .	2.5	42
2	Single-hole one-electron superexcited states and doubly excited states of methane in the vacuum ultraviolet range as studied by dispersed fluorescence spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002, 35, 4383-4400.	1.5	32
3	Doubly excited states of water in the inner valence range. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, 3127-3148.	1.5	23
4	Doubly excited states of ammonia in the vacuum ultraviolet range. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 3541-3554.	1.5	21
5	Doubly excited states of methane produced by photon and electron interactions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 565-578.	1.5	21
6	Effect of entanglement on the decay dynamics of a pair of H(2p) atoms due to spontaneous emission. <i>Physical Review A</i> , 2010, 82, .	2.5	20
7	Total cross sections for electron scattering from He and Ne at very low energies. <i>Physical Review A</i> , 2014, 89, .	2.5	17
8	Threshold photoelectron source for the study of low-energy electron scattering: Total cross section for electron scattering from krypton in the energy range from 14 eV to 20 eV. <i>Physical Review A</i> , 2010, 82, .	2.5	16
9	Low-energy and very-low energy total cross sections for electron collisions with N ₂ . <i>European Physical Journal D</i> , 2017, 71, 1.	1.3	16
10	Doubly excited states of ammonia produced by photon and electron interactions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 195204.	1.5	13
11	Ultra-low-energy electron scattering cross section measurements of Ar, Kr and Xe employing the threshold photoelectron source. <i>European Physical Journal D</i> , 2012, 66, 1.	1.3	13
12	Angular correlation of a pair of Lyman- α photons produced in the photodissociation of H ₂ . <i>Physical Review A</i> , 2014, 90, .	2.5	10
13	Formation of metastable atomic hydrogen in the 2s state from symmetry-resolved doubly excited states of molecular hydrogen. <i>Physical Review A</i> , 2011, 84, .	2.5	9
14	Single, double, and triple Auger decays from 1s shake-up states of the oxygen molecule. <i>Journal of Chemical Physics</i> , 2017, 147, 104304.	3.0	8
15	Doubly excited states of water as studied by electron energy loss spectroscopy in coincidence with detecting Lyman- α photons. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 175207.	1.5	7
16	Dynamics of the Q ² u ¹ (1) state studied from the isotope effect on the cross sections for the formation of the 2p atom pair in the photoexcitation of H ₂ and D ₂ . <i>Physical Review A</i> , 2016, 93, .	2.5	7
17	Doubly excited states resulting in H(2p) formation in the photoexcitation of water. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 215206.	1.5	6
18	Super-Coster-Kronig decay of Kr core-hole states studied by multielectron coincidence spectroscopy. <i>Physical Review A</i> , 2021, 103, .	2.5	5

#	ARTICLE	IF	CITATIONS
19	Electron-ion recombination rate constants in dense gaseous argon and krypton: Effects of electric field strength and the addition of N ₂ or CH ₄ . Journal of Chemical Physics, 2001, 114, 3554-3561.	3.0	5
20	Collisional deexcitation of the excited rare gas atoms in resonant states: The Watanabe-Katsuura theory revisited. Journal of Chemical Physics, 2003, 118, 70-74.	3.0	5
21	Photoelectron recapture and reemission process associated with double Auger decay in Ar. Physical Review A, 2016, 93, .	2.5	4
22	(\hat{I}^3 , $2\hat{I}^3$) studies on multiply excited states of H ₂ and N ₂ in the vacuum ultraviolet range. AIP Conference Proceedings, 2006, .	0.4	3
23	A new spectroscopic method for resolving the electronic symmetry properties of the highly excited molecules produced in photoexcitation. Review of Scientific Instruments, 2010, 81, 063108.	1.3	3
24	Reply to "Comment on "Effect of entanglement on the decay dynamics of a pair of H atoms due to spontaneous emission". Physical Review A, 2011, 83, .	2.5	3
25	Entangled pairs of 2p atoms produced in photodissociation of H ₂ and D ₂ . Physical Review A, 2019, 99, .	2.5	3
26	Entangled pairs of 2p atoms produced in photodissociation of H ₂ and D ₂ . Physical Review A, 2019, 99, .	2.5	3
27	Development of pulse selectors for the synchrotron radiation pulses from the Photon Factory 2.5 GeV ring to study multiple photoionization. Journal of Physics: Conference Series, 2020, 1412, 152092.	0.4	3
28	Multiple Auger decays of core-excited states in N ₂ . Journal of Chemical Physics, 2020, 152, 124301.	3.0	3
29	Auger cascade initiated by the Coster-Kronig transition from the Kr 3p core-hole states. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 185002.	1.5	3
30	Cross sections for the formation of H(n = 2) atom via superexcited states in photoexcitation of methane and ammonia. Journal of Chemical Physics, 2013, 139, 164307.	3.0	2
31	Domination of dissociative double-electron excitation over dissociative single-electron excitation in electron collisions with NH ₃ . Physical Review A, 2017, 96, .	2.5	1
32	Formation of hot hydrogen atoms from superexcited states of acetylene. Journal of Chemical Physics, 2018, 149, 244302.	3.0	1
33	Electron correlation in double photoexcitation of H ₂ S as studied by H(2p) formation: Comparison with H ₂ O. Physical Review A, 2018, 98, .	2.5	1
34	Interaction of Radiation Particles with Atoms or Molecules. Radioisotopes, 2017, 66, 417-424.	0.2	0
35	Analytical expression for the angular correlation function of two Lyman- α photons in the photodissociation of hydrogen molecules. Physical Review A, 2021, 103, .	2.5	0