Takeshi Odagiri

List of Publications by Year
in descending order

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	Super-Coster-Kronig decay of Kr <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mi>p</mml:mi></mml:mrow></mm core-hole states studied by multielectron coincidence spectroscopy. Physical Review A, 2021, 103, .	2.5	6
2	Analytical expression for the angular correlation function of two Lyman- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> photons in the photodissociation of hydrogen molecules. Physical Review A, 2021, 103, .	2.5	0
3	Auger cascade initiated by the Costerâ€"Kronig transition from the Kr 3p core-hole states. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 185002.	1.5	3
4	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
5	Multiple Auger decays of core-excited states in N2. Journal of Chemical Physics, 2020, 152, 124301.	3.0	3
6	Breaking space-inversion symmetry in the dynamics of the doubly excited <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Q</mml:mi><mml:mn>2</mml:mn></mml:m width="0.16em" /><mml:msup><mml:mspace width="0.16em" /><mml:mn>1</mml:mn></mml:msup><mml:msub><mml:mi mathvariant="normal">Î</mml:mi><mml:mi>u</mml:mi></mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mn>1</mml:mn><mm state of HD. Physical Review A, 2019, 99, .	2.5	3
7	Entangled pairs of 2p atoms produced in photodissociation of H2 and D2. Physical Review A, 2019, 99, .	2.5	3
8	Formation of hot hydrogen atoms from superexcited states of acetylene. Journal of Chemical Physics, 2018, 149, 244302.	3.0	1
9	Electron correlation in double photoexcitation of H2S as studied by H(2p) formation: Comparison with H2O. Physical Review A, 2018, 98, .	2.5	1
10	Single, double, and triple Auger decays from 1s shake-up states of the oxygen molecule. Journal of Chemical Physics, 2017, 147, 104304.	3.0	8
11	Low-energy and very-low energy total cross sections for electron collisions with N2. European Physical Journal D, 2017, 71, 1.	1.3	16
12	Domination of dissociative double-electron excitation over dissociative single-electron excitation in electron collisions with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NH</mml:mi><mml:mn>3</mml:mn></mml:msub></mml Physical Review A, 2017, 96, .	2.5	1
13	4ã€€Interaction of Radiation Particles with Atoms or Molecules. Radioisotopes, 2017, 66, 417-424.	0.2	0
14	Dynamics of theQ2Îu1(1)state studied from the isotope effect on the cross sections for the formation of the2patom pair in the photoexcitation ofH2andD2. Physical Review A, 2016, 93, .	2.5	7
15	Photoelectron recapture and reemission process associated with double Auger decay in Ar. Physical Review A, 2016, 93, .	2.5	4
16	Total cross sections for electron scattering from He and Ne at very low energies. Physical Review A, 2014, 89, .	2.5	17
17	Angular correlation of a pair of Lyman-Î± photons produced in the photodissociation ofH2. Physical Review A, 2014, 90, .	2.5	10
18	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

#	Article	IF	Citations
19	Ultra-low-energy electron scattering cross section measurements of Ar, Kr and Xe employing the threshold photoelectron source. European Physical Journal D, 2012, 66, 1.	1.3	13
20	Doubly excited states of water as studied by electron energy loss spectroscopy in coincidence with detecting Lyman-Î± photons. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 175207.	1.5	7
21	High-resolution total-cross-section measurements for electron scattering from Ar, Kr, and Xe employing a threshold-photoelectron source. Physical Review A, 2011, 84, .	2.5	42
22	Formation of metastable atomic hydrogen in the 2sstate from symmetry-resolved doubly excited states of molecular hydrogen. Physical Review A, 2011, 84, .	2.5	9
23	Reply to â€œComment on â€˜Effect of entanglement on the decay dynamics of a pair of H(<mml:math) Tj ETQq1 1 0.784314 rgBT /Ove atoms due to spontaneous emissionâ€™ â€. Physical Review A, 2011, 83, .	2.5	3
24	Threshold photoelectron source for the study of low-energy electron scattering: Total cross section for electron scattering from krypton in the energy range from 14ÂmeV to 20ÂeV. Physical Review A, 2010, 82, .	2.5	16
25	Effect of entanglement on the decay dynamics of a pair of H(2p) atoms due to spontaneous emission. Physical Review A, 2010, 82, .	2.5	20
26	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
27	Doubly excited states resulting in H(2p) formation in the photoexcitation of water. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 215206.	1.5	6
28	Doubly excited states of ammonia produced by photon and electron interactions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 195204.	1.5	13
29	(Î³, 2Î³) studies on multiply excited states of H2 and N2 in the vacuum ultraviolet range. AIP Conference Proceedings, 2006, , .	0.4	3
30	Doubly excited states of methane produced by photon and electron interactions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 565-578.	1.5	21
31	Doubly excited states of water in the inner valence range. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 3127-3148.	1.5	23
32	Collisional deexcitation of the excited rare gas atoms in resonant states: The Watanabeâ€"Katsuura theory revisited. Journal of Chemical Physics, 2003, 118, 70-74.	3.0	5
33	Doubly excited states of ammonia in the vacuum ultraviolet range. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 3541-3554.	1.5	21
34	Single-hole one-electron superexcited states and doubly excited states of methane in the vacuum ultraviolet range as studied by dispersed fluorescence spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, 4383-4400.	1.5	32
35	Electron-ion recombination rate constants in dense gaseous argon and krypton: Effects of electric field strength and the addition of N2 or CH4. Journal of Chemical Physics, 2001, 114, 3554-3561.	3.0	5