

Kouichi Hosaka

List of Publications by Year in descending order

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38
papers

532
citations

567281

15
h-index

642732

23
g-index

38
all docs

38
docs citations

38
times ranked

501
citing authors

#	ARTICLE	IF	CITATIONS
1	Photon-excitation photon-emission maps (PhexPhem maps) with rovibronic resolution as a data base for theory and astrophysics part I: method and first results for H ₂ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 034001.	1.5	1
2	Analytical expression for the angular correlation function of two Lyman- \hat{I}_{\pm} photons in the photodissociation of hydrogen molecules. Physical Review A, 2021, 103, .	2.5	0
3	Q_{21}^{21} state of HD. Physical Review A, 2019, 99, .	2.5	3
4	Entangled pairs of 2p atoms produced in photodissociation of H ₂ and D ₂ . Physical Review A, 2019, 99, .	2.5	3
5	Total cross-section for low-energy and very low-energy electron collisions with O ₂ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 035201.	1.5	5
6	Formation of hot hydrogen atoms from superexcited states of acetylene. Journal of Chemical Physics, 2018, 149, 244302.	3.0	1
7	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
8	Low-energy and very-low energy total cross sections for electron collisions with N ₂ . European Physical Journal D, 2017, 71, 1.	1.3	16
9	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
10	A space-charge-effect-compensated electron monochromator for electron-impact multi-coincidence measurements. Journal of Physics: Conference Series, 2017, 875, 062021.	0.4	0
11	The observation of the pair of Lyman- \hat{I}_{\pm} and Lyman- \hat{I}^2 photons produced in the photodissociation of H ₂ . Journal of Physics: Conference Series, 2017, 875, 032002.	0.4	0
12	Cross sections for the formation of H(2p) atom via doubly excited states in photoexcitation of rotationally cold H ₂ . Journal of Physics: Conference Series, 2017, 875, 032037.	0.4	0
13	Cross sections for ultra-low-energy electron scattering from atoms and molecules. AIP Conference Proceedings, 2016, , .	0.4	0
14	Dynamics of the Q ₂ $\hat{I}_{1}(1)$ 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 . Physical Review A, 2016, 93, .	2.5	7
15	Total cross sections for electron scattering from noble-gas atoms in near- and below-thermal energy collisions. Journal of Physics: Conference Series, 2015, 635, 012030.	0.4	1
16	Excitation-energy resolved fluorescence spectra of hydrogen molecules in the regime of singly excited molecular states. Journal of Physics: Conference Series, 2015, 635, 112130.	0.4	1
17	Angular correlation measurements of a pair of Lyman- \hat{I}_{\pm} photons emitted in the photodissociation of H ₂ . Journal of Physics: Conference Series, 2015, 635, 112016.	0.4	0
18	Electron and Ion Coincidence Momentum Imaging of Multichannel Dissociative Ionization of Ethanol in Intense Laser Fields. Springer Series in Chemical Physics, 2015, , 23-42.	0.2	0

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19	Angular correlation of a pair of Lyman- $\hat{\pm}$ photons produced in the photodissociation of H ₂ . Physical Review A, 2014, 90, .	2.5	10
20	All-optical control and visualization of ultrafast two-dimensional atomic motions in a single crystal of bismuth. Nature Communications, 2013, 4, .	12.8	57
21	Correlation between a photoelectron and a fragment ion in dissociative ionization of ethanol in intense near-infrared laser fields. Journal of Chemical Physics, 2013, 138, 204301.	3.0	18
22	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
23	Separation of ionization and subsequent electronic excitation for formation of electronically excited ethanol cation in intense laser fields. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 191002.	1.5	13
24	Doubly excited states of water as studied by electron energy loss spectroscopy in coincidence with detecting Lyman- $\hat{\pm}$ photons. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 175207.	1.5	7
25	Ultrafast Fourier Transform with a Femtosecond-Laser-Driven Molecule. Physical Review Letters, 2010, 104, 180501.	7.8	44
26	Photoelectron-photoion coincidence momentum imaging for dissociative ionization of ethanol in intense laser fields. Chemical Physics Letters, 2009, 475, 19-23.	2.6	14
27	Read and write amplitude and phase information by using high-precision molecular wave-packet interferometry. Physical Review A, 2007, 76, .	2.5	36
28	New approach for a complete experiment: C1s photoionization in CO ₂ molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, F241-F250.	1.5	16
29	Photoelectron-photoion-photoion momentum spectroscopy as a direct probe of the core-hole localization in C 1s photoionization of C ₂ H ₂ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, F285-F291.	1.5	39
30	Implementation of quantum gate operations in molecules with weak laser fields. Journal of Chemical Physics, 2006, 124, 114110.	3.0	22
31	Non-dipole effects in the angular distribution of photoelectrons from the K-shell of N ₂ molecule. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, L25-L34.	1.5	25
32	Nondipole effects in the angular distribution of photoelectrons from the K-shell of the CO molecule. Physical Review A, 2006, 73, .	2.5	17
33	Coincidence Velocity Imaging Apparatus for Study of Angular Correlations between Photoelectrons and Photofragments. Japanese Journal of Applied Physics, 2006, 45, 1841-1849.	1.5	43
34	Photoelectron angular distributions from fixed-in-space molecules. Journal of Electron Spectroscopy and Related Phenomena, 2005, 142, 295-312.	1.7	42
35	Multiplet-specific N 1s photoelectron angular distributions from the fixed-in-space NO molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, L49-L55.	1.5	17
36	Angular distributions of vibrationally-resolved C 1s photoelectrons from fixed-in-space CO molecules: vibrational effect in the shape-resonant C 1s photoionization of CO. Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 243-248.	1.7	11

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37	Shape-Resonance-Enhanced Vibrational Effects in the Angular Distributions of C1sPhotoelectrons from Fixed-in-Space CO Molecules. Physical Review Letters, 2003, 91, 163001.	7.8	42
38	N 1s photoionization cross sections of nitric oxide molecules in the shape resonance region. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 4617-4629.	1.5	17