

Kouichi Hosaka

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8308741/publications.pdf>

Version: 2024-02-01

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	All-optical control and visualization of ultrafast two-dimensional atomic motions in a single crystal of bismuth. <i>Nature Communications</i> , 2013, 4, .	12.8	57
2	Ultrafast Fourier Transform with a Femtosecond-Laser-Driven Molecule. <i>Physical Review Letters</i> , 2010, 104, 180501.	7.8	44
3	Coincidence Velocity Imaging Apparatus for Study of Angular Correlations between Photoelectrons and Photofragments. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 1841-1849.	1.5	43
4	Shape-Resonance-Enhanced Vibrational Effects in the Angular Distributions of C1sPhotoelectrons from Fixed-in-Space CO Molecules. <i>Physical Review Letters</i> , 2003, 91, 163001.	7.8	42
5	Photoelectron angular distributions from fixed-in-space molecules. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 142, 295-312.	1.7	42
6	Photoelectronâ€“photoionâ€“photoion momentum spectroscopy as a direct probe of the core-hole localization in C 1s photoionization of C₂H₂. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, F285-F291.	1.5	39
7	Read and write amplitude and phase information by using high-precision molecular wave-packet interferometry. <i>Physical Review A</i> , 2007, 76, .	2.5	36
8	Non-dipole effects in the angular distribution of photoelectrons from the K-shell of N2molecule. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, L25-L34.	1.5	25
9	Implementation of quantum gate operations in molecules with weak laser fields. <i>Journal of Chemical Physics</i> , 2006, 124, 114110.	3.0	22
10	Correlation between a photoelectron and a fragment ion in dissociative ionization of ethanol in intense near-infrared laser fields. <i>Journal of Chemical Physics</i> , 2013, 138, 204301.	3.0	18
11	N 1s photoionization cross sections of nitric oxide molecules in the shape resonance region. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 4617-4629.	1.5	17
12	Multiplet-specific N 1s photoelectron angular distributions from the fixed-in-space NO molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, L49-L55.	1.5	17
13	Nondipole effects in the angular distribution of photoelectrons from the CKshell of the CO molecule. <i>Physical Review A</i> , 2006, 73, .	2.5	17
14	New approach for a complete experiment: C1s photoionization in CO₂molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, F241-F250.	1.5	16
15	Low-energy and very-low energy total cross sections for electron collisions with N2. <i>European Physical Journal D</i> , 2017, 71, 1.	1.3	16
16	Photoelectronâ€“photoion coincidence momentum imaging for dissociative ionization of ethanol in intense laser fields. <i>Chemical Physics Letters</i> , 2009, 475, 19-23.	2.6	14
17	Separation of ionization and subsequent electronic excitation for formation of electronically excited ethanol cation in intense laser fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 191002.	1.5	13
18	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. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2004, 137-140, 243-248.	1.7	11

#	ARTICLE	IF	CITATIONS
19	Angular correlation of a pair of Lyman- $\hat{1}\pm$ photons produced in the photodissociation of H ₂ . Physical Review A, 2014, 90, .	2.5	10
20	Doubly excited states of water as studied by electron energy loss spectroscopy in coincidence with detecting Lyman- $\hat{1}\pm$ photons. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 175207.	1.5	7
21	Dynamics of the Q ₂ $\hat{1}u_1(1)$ 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 . Physical Review A, 2016, 93, .	2.5	7
22	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
23	Breaking space-inversion symmetry in the dynamics of the doubly excited state of HD. Physical Review A, 2019, 99, .	2.5	3
24	Entangled pairs of 2p atoms produced in photodissociation of H ₂ and D ₂ . Physical Review A, 2019, 99, .	2.5	3
25	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
26	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
27	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
28	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
29	Formation of hot hydrogen atoms from superexcited states of acetylene. Journal of Chemical Physics, 2018, 149, 244302.	3.0	1
30	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
31	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
32	Angular correlation measurements of a pair of Lyman- $\hat{1}\pm$ photons emitted in the photodissociation of H ₂ . Journal of Physics: Conference Series, 2015, 635, 112016.	0.4	0
33	Cross sections for ultra-low-energy electron scattering from atoms and molecules. AIP Conference Proceedings, 2016, .	0.4	0
34	A space-charge-effect-compensated electron monochromator for electron-impact multi-coincidence measurements. Journal of Physics: Conference Series, 2017, 875, 062021.	0.4	0
35	The observation of the pair of Lyman- $\hat{1}\pm$ and Lyman- $\hat{1}^2$ photons produced in the photodissociation of H ₂ . Journal of Physics: Conference Series, 2017, 875, 032002.	0.4	0
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	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