

Mizuho Fushitani

List of Publications by Year in descending order

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75
papers

1,282
citations

361388

20
h-index

377849

34
g-index

77
all docs

77
docs citations

77
times ranked

1132
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic relaxation and dissociation dynamics in formaldehyde: pump wavelength dependence. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 1779-1786.	2.8	5
2	On the measurement of statistical dynamics using the method of Coulomb explosion imaging. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	0
3	Time-resolved photoelectron imaging of complex resonances in molecular nitrogen. <i>Journal of Chemical Physics</i> , 2021, 154, 144305.	3.0	8
4	Time-resolved shot-by-shot photoelectron spectroscopy of autoionizing Xe states by EUV free-electron-laser and near-IR laser pulses. <i>Physical Review A</i> , 2021, 104, .	0.0	0
5	Capturing roaming molecular fragments in real time. <i>Science</i> , 2020, 370, 1072-1077.	12.6	61
6	Ultrafast Reaction Imaging and Control by Ultrashort Intense Laser Pulses. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 1293-1304.	3.2	16
7	Multielectron-Ion Coincidence Spectroscopy of Xe in Extreme Ultraviolet Laser Fields: Nonlinear Multiple Ionization via Double Core-Hole States. <i>Physical Review Letters</i> , 2020, 124, 193201.	7.8	7
8	Characterization of soft X-ray FEL pulse duration with two-color photoelectron spectroscopy. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 1362-1365.	2.4	11
9	Capturing Roaming Fragments in Real Time: A Molecular Road Movie. , 2020, , .		0
10	Angle dependence of dissociative tunneling ionization of NO in asymmetric two-color intense laser fields. <i>Physical Review A</i> , 2019, 100, .	2.5	17
11	Probing Rydberg-Rydberg interactions in N ₂ by ultrafast EUV-NIR photoelectron spectroscopy. <i>Optics Express</i> , 2019, 27, 19702.	3.4	5
12	Coincidence momentum imaging of four- and three-body Coulomb explosion of formaldehyde in ultrashort intense laser fields. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2018, 228, 25-30.	1.7	8
13	Selective bond breaking of CO ₂ in phase-locked two-color intense laser fields: laser field intensity dependence. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 3550-3556.	2.8	26
14	Ultrafast Multiphoton Manipulation of Quantum States by Intense Laser Pulses. <i>The Review of Laser Engineering</i> , 2017, 45, 493.	0.0	0
15	Single-order laser high harmonics in XUV for ultrafast photoelectron spectroscopy of molecular wavepacket dynamics. <i>Structural Dynamics</i> , 2016, 3, 062602.	2.3	9
16	Imaging Electronic Excitation of NO by Ultrafast Laser Tunneling Ionization. <i>Physical Review Letters</i> , 2016, 116, 163002.	7.8	39
17	Coincidence momentum imaging of asymmetric Coulomb explosion of CO ₂ in phase-locked two-color intense laser fields. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2016, 207, 50-54.	1.7	12
18	Photoelectron sidebands induced by a chirped laser field for shot-by-shot temporal characterization of FEL pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 034005.	1.5	0

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19	Femtosecond two-photon Rabi oscillations in excited He driven by ultrashort intense laser fields. Nature Photonics, 2016, 10, 102-105.	31.4	50
20	Correlation between photoelectron and photoion in ultrafast multichannel photoionization of Ar. AIP Conference Proceedings, 2015, , .	0.4	0
21	Ultrafast two-photon Rabi oscillations in excited He driven by femtosecond intense laser fields. Journal of Physics: Conference Series, 2015, 635, 092082.	0.4	0
22	Fragment anisotropy on dissociative ionization of NO in two-color intense laser fields. Journal of Physics: Conference Series, 2015, 635, 112027.	0.4	0
23	Ion-coincidence momentum imaging of three-body Coulomb explosion of formaldehyde in ultrashort intense laser fields. AIP Conference Proceedings, 2015, , .	0.4	0
24	Ultrafast Photoelectron Spectroscopy of Molecular Wavepacket Dynamics by Laser High-Order Harmonics. The Review of Laser Engineering, 2015, 43, 818.	0.0	0
25	Determination of Absolute Cross-Sections of Nonresonant EUV-UV Two-Color Two-Photon Ionization of He. Springer Proceedings in Physics, 2015, , 109-112.	0.2	0
26	Ultrafast Coulomb Explosion of Formaldehyde in 7 and 35 fs Intense Laser Fields Studied by Triple Ion-Coincidence Momentum Imaging. , 2014, , .		0
27	Five-photon sequential double ionization of He in intense extreme-ultraviolet free-electron laser fields. Physical Review A, 2014, 90, .	2.5	7
28	Photoelectron-photoion correlation in ultrafast multichannel photoionization of Ar. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 195602.	1.5	3
29	Dissociative ionization of NO in few-cycle intense laser fields: Effects of $\tilde{\epsilon} \leftarrow \tilde{f}$ electronic transition. Journal of Physics: Conference Series, 2014, 488, 032025.	0.4	1
30	Determination of Absolute Cross-Sections of Nonresonant EUV-UV Two-Color Two-Photon Ionization of He. , 2014, , .		1
31	Ultrafast Photoelectron Spectroscopy of Electron-photoion Wave Packets in Rydberg N ₂ . , 2014, , .		0
32	Shot-by-Shot Photoelectron Spectroscopy of Rare Gas Atoms in Ultrashort Intense EUV Free-Electron Laser Fields. Springer Series in Chemical Physics, 2013, , 151-163.	0.2	0
33	Nonresonant EUV-UV two-color two-photon ionization of He studied by single-shot photoelectron spectroscopy. Physical Review A, 2013, 88, .	2.5	12
34	Resonances in three-photon double ionization of Ar in intense extreme-ultraviolet free-electron laser fields studied by shot-by-shot photoelectron spectroscopy. Physical Review A, 2013, 88, .	2.5	4
35	Time-resolved Four-body Coulomb Explosion Imaging of Correlated Dynamics of Hydrogen Atoms in Acetylene Dication. EPJ Web of Conferences, 2013, 41, 02013.	0.3	0
36	Ultrafast Nonlinear Double Excitations of He in Intense EUV FEL Fields. EPJ Web of Conferences, 2013, 41, 02009.	0.3	0

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37	EUV and soft X-ray photoelectron spectroscopy of isolated atoms and molecules using single-order laser high-harmonics at 42eV and 91eV. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2012, 184, 561-568.	1.7	9
38	Visualizing Correlated Dynamics of Hydrogen Atoms in Acetylene Dication by Time-Resolved Four-Body Coulomb Explosion Imaging. <i>Springer Proceedings in Physics</i> , 2012, , 317-322.	0.2	3
39	Visualizing hydrogen atoms migrating in acetylene dication by time-resolved three-body and four-body Coulomb explosion imaging. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 8697.	2.8	43
40	Time-resolved EUV photoelectron spectroscopy of dissociating I ₂ by laser harmonics at 80 nm. <i>Optics Express</i> , 2011, 19, 9600.	3.4	16
41	Infrared spectroscopy of rovibrational transitions of methyl radicals (CH ₃ , CD ₃) in solid parahydrogen. <i>Journal of Molecular Spectroscopy</i> , 2011, 268, 164-172.	1.2	12
42	Enhanced Nonlinear Double Excitation of He in Intense Extreme Ultraviolet Laser Fields. <i>Physical Review Letters</i> , 2011, 107, 243003.	7.8	40
43	A magnetic-bottle multi-electron-ion coincidence spectrometer. <i>Review of Scientific Instruments</i> , 2011, 82, 103105.	1.3	20
44	Multiphoton Double Ionization of Ar in Intense Extreme Ultraviolet Laser Fields Studied by Shot-by-Shot Photoelectron Spectroscopy. <i>Physical Review Letters</i> , 2010, 105, 133001.	7.8	53
45	Electron-ion coincidence momentum imaging of molecular dissociative ionization in intense laser fields: Application to CS ₂ . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009, 169, 97-101.	1.7	10
46	Multiple Explosion Pathways of the Deuterated Benzene Trication in 9-fs Intense Laser Fields. <i>Journal of Physical Chemistry A</i> , 2009, 113, 2254-2260.	2.5	27
47	Phase Sensitive Control of Vibronic Guest-Host Interaction: Br ₂ in Ar Matrix. <i>Journal of Physical Chemistry A</i> , 2009, 113, 7439-7450.	2.5	8
48	Time-resolved reaction imaging by intense few-cycle laser pulses and laser high-order harmonics. <i>Journal of Physics: Conference Series</i> , 2009, 185, 012009.	0.4	1
49	Femtosecond pump-probe 2D optical Kerr effect spectroscopy of molecular hydrogen crystals. <i>Chemical Physics Letters</i> , 2008, 458, 303-307.	2.6	10
50	Applications of pump-probe spectroscopy. <i>Annual Reports on the Progress of Chemistry Section C</i> , 2008, 104, 272.	4.4	33
51	Nuclear spin conversion of methane in solid parahydrogen. <i>Journal of Chemical Physics</i> , 2008, 128, 114502.	3.0	45
52	Control of chromophore-to-bath coupling by interferometry: Cl ₂ vibrational wave packets in solid Ar. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 074013.	1.5	9
53	Acetylene-vinylidene isomerization in ultrashort intense laser fields studied by triple ion-coincidence momentum imaging. <i>Journal of Chemical Physics</i> , 2008, 128, 084302.	3.0	41
54	Visualizing Recurrently Migrating Hydrogen in Acetylene Dication by Intense Ultrashort Laser Pulses. <i>Physical Review Letters</i> , 2007, 99, 258302.	7.8	130

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55	Visualizing recurrently migrating hydrogen by few-cycle intense laser pulses. Journal of Physics: Conference Series, 2007, 88, 012056.	0.4	0
56	Coherence and control of molecular dynamics in rare gas matrices. , 2007, , 257-385.		7
57	Ultrafast dynamics of halogens in rare gas solids. Physical Chemistry Chemical Physics, 2007, 9, 779-801.	2.8	47
58	In Situ Photolysis of CD3I in Solid Orthodeuterium. Journal of Physical Chemistry A, 2007, 111, 12629-12634.	2.5	9
59	Coherent Phonons in the Zone Boundary Region of Solid Ar Doped with Cl2. Springer Series in Chemical Physics, 2007, , 618-620.	0.2	0
60	Correlation between Nuclear Spin Ratio of Cyclic C3H2 and Chemical Evolution in TMC Cores. Astrophysical Journal, 2006, 642, 954-965.	4.5	12
61	Cage motions induced by electronic and vibrational excitations: Cl2 in Ar. Journal of Chemical Physics, 2006, 124, 024505.	3.0	24
62	Coherent Phonons in the Zone-Boundary Region of Solid Ar doped with Cl2. , 2006, , .		0
63	Search for CCH ⁻ , NCO ⁻ , and NCS ⁻ Negative Ions in Molecular Clouds. Publication of the Astronomical Society of Japan, 2005, 57, 325-334.	2.5	18
64	Pump-probe spectroscopy with phase-locked pulses in the condensed phase: decoherence and control of vibrational wavepackets. Physical Chemistry Chemical Physics, 2005, 7, 3143.	2.8	51
65	Chemical reactions in quantum crystals. International Reviews in Physical Chemistry, 2005, 24, 533-552.	2.3	73
66	Tunneling chemical reactions in solid parahydrogen: Direct measurement of the rate constants of R+H2→RH+H (R=CD3,CD2H,CDH2,CH3) at 5 K. Journal of Chemical Physics, 2004, 120, 3706-3715.	3.0	24
67	High-resolution spectroscopy and the analysis of ro-vibrational transitions of molecules in solid parahydrogen. Vibrational Spectroscopy, 2004, 34, 95-108.	2.2	67
68	Generation of infrared radiation by stimulated Raman scattering in para-hydrogen crystal at 5 K. Optics Letters, 2003, 28, 37.	3.3	5
69	Stimulated Stokes downconversion in liquid and solid parahydrogen. Applied Physics Letters, 2003, 82, 1350-1352.	3.3	9
70	Quantum property of solid hydrogen as revealed by high-resolution laser spectroscopy. Low Temperature Physics, 2003, 29, 832-837.	0.6	10
71	A study on diffusion of H atoms in solid parahydrogen. Low Temperature Physics, 2003, 29, 740-743.	0.6	35
72	Nuclear spin selection rule in the photochemical reaction of CH3 in solid parahydrogen. Journal of Chemical Physics, 2002, 116, 10739-10743.	3.0	19

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73	The $2P_{1/2} \rightarrow 2P_{3/2}$ transition of the iodine atom photoproduced from alkyl iodides in solid parahydrogen: detection of new absorptions. <i>Chemical Physics Letters</i> , 2002, 356, 375-382.	2.6	18
74	UV-Photolysis of HI- \cdot -CO ₂ Complexes in Solid Parahydrogen: Formation of CO and H ₂ O. <i>Journal of Physical Chemistry A</i> , 2000, 104, 3635-3641.	2.5	17
75	Photoinduced reactions of methyl radical in solid parahydrogen. <i>Journal of Chemical Physics</i> , 1998, 109, 6346-6350.	3.0	25