

Shinichirou Minemoto

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/415754/publications.pdf>

Version: 2024-02-01

38
papers

1,929
citations

567281

15
h-index

454955

30
g-index

38
all docs

38
docs citations

38
times ranked

942
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum interference during high-order harmonic generation from aligned molecules. <i>Nature</i> , 2005, 435, 470-474.	27.8	705
2	Controlling the Orientation of Polar Molecules with Combined Electrostatic and Pulsed, Nonresonant Laser Fields. <i>Physical Review Letters</i> , 2003, 90, 083001.	7.8	236
3	Laser-Field-Free Molecular Orientation. <i>Physical Review Letters</i> , 2008, 101, 013001.	7.8	137
4	Ellipticity Dependence of High-Order Harmonic Generation from Aligned Molecules. <i>Physical Review Letters</i> , 2007, 98, 053002.	7.8	110
5	All-Optical Molecular Orientation. <i>Physical Review Letters</i> , 2010, 104, 213901.	7.8	109
6	Field-free molecular orientation by an intense nonresonant two-color laser field with a slow turn on and rapid turn off. <i>Physical Review A</i> , 2009, 79, .	2.5	89
7	Three-dimensional molecular orientation with combined electrostatic and elliptically polarized laser fields. <i>Physical Review A</i> , 2005, 72, .	2.5	82
8	Retrieving photorecombination cross sections of atoms from high-order harmonic spectra. <i>Physical Review A</i> , 2008, 78, .	2.5	81
9	Observation of molecular orientation by the combination of electrostatic and nonresonant, pulsed laser fields. <i>Journal of Chemical Physics</i> , 2003, 118, 4052-4059.	3.0	68
10	Laser-field-free molecular orientation with combined electrostatic and rapidly-turned-off laser fields. <i>Physical Review A</i> , 2008, 77, .	2.5	51
11	Photoelectron diffraction from laser-aligned molecules with X-ray free-electron laser pulses. <i>Scientific Reports</i> , 2015, 5, 14065.	3.3	44
12	Laser-field-free three-dimensional molecular orientation. <i>Physical Review A</i> , 2016, 94, .	2.5	35
13	Polarizability anisotropies of rare gas van der Waals dimers studied by laser-induced molecular alignment. <i>Journal of Chemical Physics</i> , 2003, 119, 7737-7740.	3.0	34
14	Structure determination of molecules in an alignment laser field by femtosecond photoelectron diffraction using an X-ray free-electron laser. <i>Scientific Reports</i> , 2016, 6, 38654.	3.3	31
15	Laser-field-free orientation of state-selected asymmetric top molecules. <i>Physical Review A</i> , 2014, 89, .	2.5	24
16	Measuring polarizability anisotropies of rare gas diatomic molecules by laser-induced molecular alignment technique. <i>Journal of Chemical Physics</i> , 2011, 134, 214305.	3.0	11
17	Orientation dependence in multichannel dissociative ionization of OCS molecules. <i>Physical Review A</i> , 2017, 96, .	2.5	11
18	Generation of high-order sum and difference frequencies by adding an intense parallel- and perpendicular-polarized infrared laser field. <i>Physical Review A</i> , 2009, 80, .	2.5	10

#	ARTICLE	IF	CITATIONS
19	Stronger orientation of state-selected OCS molecules with relative-delay-adjusted nanosecond two-color laser pulses. <i>Journal of Chemical Physics</i> , 2022, 156, 041101.	3.0	9
20	Orientation of polar molecules with combined electrostatic and pulsed, nonresonant laser fields. <i>European Physical Journal D</i> , 2003, 26, 33-37.	1.3	8
21	Ar 3 <i>p</i> photoelectron sideband spectra in two-color XUV + NIR laser fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 075601.	1.5	8
22	Efficient generation of high-order sum and difference frequencies in the xuv region by combining a weak longer-wavelength field. <i>Physical Review A</i> , 2007, 75, .	2.5	7
23	Time-resolved photoelectron angular distributions from nonadiabatically aligned CO ₂ molecules with SX-FEL at SACLA. <i>Journal of Physics Communications</i> , 2018, 2, 115015.	1.2	7
24	Two- and three-photon double ionization of helium by soft x-ray free-electron laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 065602.	1.5	5
25	Development of a plasma shutter applicable to 100-mJ-class, 10-ns laser pulses and the characterization of its performance. <i>Optics Express</i> , 2019, 27, 19130.	3.4	5
26	Comparative studies of the degrees of orientation of CO molecules pumped by intense femtosecond two-color pulses based on high-order harmonic generation and Coulomb explosion imaging. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 235101.	1.5	4
27	Dependence of the Generation Efficiency of High-Order Sum and Difference Frequencies in the Extreme Ultraviolet Region on the Wavelength of an Added Tunable Laser Field. <i>Journal of the Physical Society of Japan</i> , 2011, 80, 014301.	1.6	2
28	Electron-wave-packet dynamics extracted from the ellipticity dependence of high-order harmonic generation in benzene molecules. <i>Physical Review A</i> , 2018, 98, .	2.5	2
29	Photoelectron angular distribution studies for two spin-orbit-split components of Xe 3d subshell: a critical comparison between theory and experiment. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021, 54, 105003.	1.5	2
30	Basic studies toward ultrafast soft x-ray photoelectron diffraction; its application to probing local structure in iodobenzene molecules. <i>Structural Dynamics</i> , 2022, 9, 024303.	2.3	2
31	Structural deformation of aligned triatomic molecules under an intense laser field. , 2005, , .		0
32	Ellipticity dependence of high-order harmonic generation from aligned molecules. , 2005, , .		0
33	Quantum interference of electron de Broglie waves within a single molecule. , 0, , .		0
34	Photoelectron spectroscopy of Rydberg excited states in singly charged molecular ions CS ₂ ⁺ by NIR laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 225601.	1.5	0
35	Optimal Control of Multiphoton Ionization Processes in I ₂ Molecules with Time-Dependent Polarization Pulses. <i>The Review of Laser Engineering</i> , 2003, 31, 762-769.	0.0	0
36	Quantum interference during high-order harmonic generation from aligned molecules. <i>The Review of Laser Engineering</i> , 2006, 34, 86-87.	0.0	0

#	ARTICLE	IF	CITATIONS
37	X-ray Photoelectron Angular Distributions from Organic Molecules by Femtosecond Soft X-ray Free Electron Lasers at PAL-XFEL. , 2020, , .		0
38	Ultrafast X-ray photoelectron diffraction from free molecules: Simulations of diffraction profiles from transient intermediates in the elimination reaction of C2H4I2. Journal of Electron Spectroscopy and Related Phenomena, 2022, 258, 147221.	1.7	0