

# Shinichirou Minemoto

## List of Publications by Year in descending order

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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	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
2	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
3	Ultrafast X-ray photoelectron diffraction from free molecules: Simulations of diffraction profiles from transient intermediates in the elimination reaction of C <sub>2</sub> H <sub>4</sub> I <sub>2</sub> . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2022, 258, 147221.	1.7	0
4	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
5	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
6	X-ray Photoelectron Angular Distributions from Organic Molecules by Femtosecond Soft X-ray Free Electron Lasers at PAL-XFEL. , 2020, , .		0
7	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
8	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
9	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
10	Time-resolved photoelectron angular distributions from nonadiabatically aligned CO <sub>2</sub> molecules with SX-FEL at SACLA. <i>Journal of Physics Communications</i> , 2018, 2, 115015.	1.2	7
11	Photoelectron spectroscopy of Rydberg excited states in singly charged molecular ions CS <sub>2</sub> <sup>+</sup> by NIR laser pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 225601.	1.5	0
12	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
13	Orientation dependence in multichannel dissociative ionization of OCS molecules. <i>Physical Review A</i> , 2017, 96, .	2.5	11
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 three-dimensional molecular orientation. <i>Physical Review A</i> , 2016, 94, .	2.5	35
16	Photoelectron diffraction from laser-aligned molecules with X-ray free-electron laser pulses. <i>Scientific Reports</i> , 2015, 5, 14065.	3.3	44
17	Laser-field-free orientation of state-selected asymmetric top molecules. <i>Physical Review A</i> , 2014, 89, .	2.5	24
18	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

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19	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. Journal of the Physical Society of Japan, 2011, 80, 014301.	1.6	2
20	All-Optical Molecular Orientation. Physical Review Letters, 2010, 104, 213901.	7.8	109
21	Field-free molecular orientation by an intense nonresonant two-color laser field with a slow turn on and rapid turn off. Physical Review A, 2009, 79, .	2.5	89
22	Generation of high-order sum and difference frequencies by adding an intense parallel- and perpendicular-polarized infrared laser field. Physical Review A, 2009, 80, .	2.5	10
23	Laser-field-free molecular orientation with combined electrostatic and rapidly-turned-off laser fields. Physical Review A, 2008, 77, .	2.5	51
24	Retrieving photorecombination cross sections of atoms from high-order harmonic spectra. Physical Review A, 2008, 78, .	2.5	81
25	Laser-Field-Free Molecular Orientation. Physical Review Letters, 2008, 101, 013001.	7.8	137
26	Efficient generation of high-order sum and difference frequencies in the xuv region by combining a weak longer-wavelength field. Physical Review A, 2007, 75, .	2.5	7
27	Ellipticity Dependence of High-Order Harmonic Generation from Aligned Molecules. Physical Review Letters, 2007, 98, 053002.	7.8	110
28	Quantum interference during high-order harmonic generation from aligned molecules. The Review of Laser Engineering, 2006, 34, 86-87.	0.0	0
29	Quantum interference during high-order harmonic generation from aligned molecules. Nature, 2005, 435, 470-474.	27.8	705
30	Structural deformation of aligned triatomic molecules under an intense laser field. , 2005, , .		0
31	Three-dimensional molecular orientation with combined electrostatic and elliptically polarized laser fields. Physical Review A, 2005, 72, .	2.5	82
32	Ellipticity dependence of high-order harmonic generation from aligned molecules. , 2005, , .		0
33	Orientation of polar molecules with combined electrostatic and pulsed, nonresonant laser fields. European Physical Journal D, 2003, 26, 33-37.	1.3	8
34	Polarizability anisotropies of rare gas van der Waals dimers studied by laser-induced molecular alignment. Journal of Chemical Physics, 2003, 119, 7737-7740.	3.0	34
35	Observation of molecular orientation by the combination of electrostatic and nonresonant, pulsed laser fields. Journal of Chemical Physics, 2003, 118, 4052-4059.	3.0	68
36	Controlling the Orientation of Polar Molecules with Combined Electrostatic and Pulsed, Nonresonant Laser Fields. Physical Review Letters, 2003, 90, 083001.	7.8	236

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37	Optimal Control of Multiphoton Ionization Processes in I2 Molecules with Time-Dependent Polarization Pulses. The Review of Laser Engineering, 2003, 31, 762-769.	0.0	0
38	Quantum interference of electron de Broglie waves within a single molecule. , 0, , .		0