

Haruo Shiromaru

List of Publications by Year in descending order

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47
papers

1,271
citations

430874

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47
times ranked

794
citing authors

#	ARTICLE	IF	CITATIONS
1	NMR characterization of isomers of C ₇₈ , C ₈₂ and C ₈₄ fullerenes. Nature, 1992, 357, 142-145.	27.8	519
2	Cooling Dynamics of Photoexcited C_6 and C_7 . Journal of Chemical Physics, 1997, 106, 9954-9956.	7.8	62
3	Neutral carbon cluster distribution upon laser vaporization. Journal of Chemical Physics, 1997, 106, 9954-9956.	3.0	52
4	Towards the selective formation of specific isomers of fullerenes: T - and p -dependence in the yield of various isomers of fullerenes C ₆₀ –C ₈₄ . Zeitschrift für Physik D-Atoms Molecules and Clusters, 1997, 40, 414-417.	1.0	44
5	Detection of Recurrent Fluorescence Photons. Physical Review Letters, 2016, 117, 133004.	7.8	42
6	Near-Coulombic behavior in the dissociative ionization of CO ₂ due to impact by Ar ⁸⁺ . Physical Review A, 1999, 59, 4817-4820.	2.5	37
7	Direct observation of internal energy distributions of C ₅ ⁺ . Journal of Chemical Physics, 2013, 139, 054306.	3.0	36
8	Resonance-enhanced multiphoton electron detachment spectra of C ₇ ⁺ , C ₉ ⁺ , and C ₁₁ ⁺ . Journal of Chemical Physics, 1997, 106, 9992-9995.	3.0	33
9	Storage and mass-selective control of ions in an electrostatic ion storage ring. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 568-579.	1.6	33
10	Radiative cooling of C ₇ ⁺ . Journal of Chemical Physics, 2014, 140, 104311.	3.0	30
11	Inverse internal conversion in C ₄ ⁺ below the electron detachment threshold. Physical Chemistry Chemical Physics, 2015, 17, 24732-24737.	2.8	30
12	Interatomic Coulombic Decay as a New Source of Low Energy Electrons in Slow Ion-Dimer Collisions. Physical Review Letters, 2015, 114, 033201.	7.8	29
13	Multiple ionization and complete fragmentation of OCS by impact with highly charged ions Ar ⁴⁺ and Ar ⁸⁺ at 15 keV q ⁻¹ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 045205.	1.5	25
14	C ₂ -LOSS FRAGMENTATION OF HIGHER FULLERENES AND METALLOFULLERENES. Surface Review and Letters, 1996, 03, 793-798.	1.1	22
15	Absolute Cooling Rates of Freely Decaying Fullerenes. Physical Review Letters, 2009, 103, 143001.	7.8	21
16	Characterization of the lowest triplet states of linear form C _{2n+1} by anion photoelectron spectroscopy. Journal of Chemical Physics, 1999, 110, 3781-3784.	3.0	20
17	Dual pathway of carbon cluster formation in the laser vaporization. Journal of Chemical Physics, 1997, 107, 8927-8932.	3.0	19
18	Role of a Neighbor Ion in the Fragmentation Dynamics of Covalent Molecules. Physical Review Letters, 2017, 118, 233402.	7.8	18

#	ARTICLE	IF	CITATIONS
19	Ring-stacking consideration on higher fullerene growth. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 26, 258-260.	1.0	17
20	Resonance-Enhanced Multiphoton Electron Detachment (REMPED) Study of Carbon Anions up to C ₂₁ ⁻ . Journal of Physical Chemistry A, 2000, 104, 8622-8626.	2.5	17
21	Present Status of Highly Charged Ion Experiments with an ECR Ion Source at TMU. Journal of the Chinese Chemical Society, 2001, 48, 389-394.	1.4	17
22	Atomic Site-Sensitive Processes in Low Energy Ion-Dimer Collisions. Physical Review Letters, 2014, 113, 143201.	7.8	17
23	Evidence of linear chain form C ₁₀ ⁻ carbon negative ion clusters revealed by mass selected photodetachment spectroscopy. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1991, 19, 427-429.	1.0	14
24	Preferential formation of C ₁₀ ⁺ upon tandem irradiation of graphite with IR and UV laser pulses. Journal of Chemical Physics, 1997, 107, 1152-1155.	3.0	14
25	Collision-induced electron detachment of carbon clusters. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1996, 37, 169-174.	1.0	13
26	Photoionization/fragmentation of endohedral fullerenes. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1997, 40, 410-413.	1.0	13
27	HPLC analysis for fullerenes up to C ₉₆ and the use of the laser furnace technique to study fullerene formation process. European Physical Journal D, 1999, 9, 355-358.	1.3	13
28	Dissociation of methanol dications produced by electron capture with and without transfer ionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 075207.	1.5	8
29	Reactions of carbon cluster ions stored in an RF trap. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 26, 252-254.	1.0	7
30	Radiative cooling of cationic carbon clusters, C _N ⁺ , N = 8, 10, 13-16. Physical Chemistry Chemical Physics, 2019, 21, 1587-1596.	2.8	7
31	IR-photon quenching of delayed electron detachment from hot pentacene anions. Physical Review A, 2021, 104, .	2.5	7
32	Comparing Coulomb explosion dynamics of multiply charged triatomic molecules after ionization by highly charged ion impact and few cycle femtosecond laser pulses. Physica Scripta, 2013, T156, 014068.	2.5	6
33	Coulomb over-the-barrier Monte Carlo simulation to probe ion-dimer collision dynamics. Physical Review A, 2018, 98, .	2.5	6
34	Note: Absolute detection efficiency of a tapered microchannel plate for Ne ⁺ ions. Review of Scientific Instruments, 2014, 85, 086105.	1.3	4
35	State-Selective Observation of Radiative Cooling of Vibrationally Excited C ₂ ⁺ . Journal of Physical Chemistry Letters, 2020, 11, 10526-10531.	4.6	4
36	Dynamics of cluster-surface interaction: Evidence of structural isomers of C ₆₀ . Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 26, 320-322.	1.0	3

#	ARTICLE	IF	CITATIONS
37	Ultraviolet photoelectron spectroscopy of C60- produced by three different generation methods. European Physical Journal D, 1999, 9, 359-362.	1.3	3
38	APPLICATION OF A SINGLE-ACCELERATING TOF METHOD TO COLLISION EXPERIMENTS OF CLUSTER IONS WITH SOLID SURFACES. Surface Review and Letters, 1996, 03, 869-873.	1.1	2
39	Charge-sharing in fragmentation of nitrogen molecules in collision with highly charged ions. Journal of Physics: Conference Series, 2015, 583, 012016.	0.4	2
40	Threshold electron spectra of semiconductor cluster ions. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 26, 216-218.	1.0	1
41	REACTIONS OF CARBON-SILICON BINARY CLUSTER IONS. Surface Review and Letters, 1996, 03, 661-665.	1.1	1
42	Microhydration of the methylene blue cation in an electrospray ion source. European Physical Journal D, 2011, 63, 189-194.	1.3	1
43	Correlated formation of the excited states of recoil and scattered ions in multiple electron capture collision of Ar ⁸⁺ with CO ₂ and OCS. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 035202.	1.5	1
44	Phosphorescence of Hydrogen-Capped Linear Polyene Molecules C ₈ H ₂ , C ₁₀ H ₂ and C ₁₂ H ₂ in Solid Hexane Matrices at 20 K. Photochem, 2022, 2, 181-201.	2.2	1
45	Two dimensional detection of size selected and focused neutral carbon clusters using image intensified charge coupled device (ICCD) system. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 26, 317-319.	1.0	0
46	Rotationally Resolved Excitation Spectra Measured by Slow Electron Detachment from Si ²⁺ . Journal of Physical Chemistry Letters, 2020, 11, 5199-5203.	4.6	0
47	VECTOR CORRELATION OF FRAGMENT IONS PRODUCED BY COLLISION OF AR ¹¹⁺ WITH DIMETHYLDISULFIDE. , 2006, , .		0