

Haruo Shiromaru

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6971751/publications.pdf>

Version: 2024-02-01

47
papers

1,271
citations

430874

18
h-index

345221

36
g-index

47
all docs

47
docs citations

47
times ranked

794
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	IR-photon quenching of delayed electron detachment from hot pentacene anions. Physical Review A, 2021, 104, .	2.5	7
3	Rotationally Resolved Excitation Spectra Measured by Slow Electron Detachment from Si ⁺ . Journal of Physical Chemistry Letters, 2020, 11, 5199-5203.	4.6	0
4	State-Selective Observation of Radiative Cooling of Vibrationally Excited C ₂ ⁺ . Journal of Physical Chemistry Letters, 2020, 11, 10526-10531.	4.6	4
5	Radiative cooling of cationic carbon clusters, CN ⁺ , N = 8, 10, 13 ⁺ . Physical Chemistry Chemical Physics, 2019, 21, 1587-1596.	2.8	7
6	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
7	Coulomb over-the-barrier Monte Carlo simulation to probe ion-dimer collision dynamics. Physical Review A, 2018, 98, .	2.5	6
8	Role of a Neighbor Ion in the Fragmentation Dynamics of Covalent Molecules. Physical Review Letters, 2017, 118, 233402.	7.8	18
9	Detection of Recurrent Fluorescence Photons. Physical Review Letters, 2016, 117, 133004.	7.8	42
10	Charge-sharing in fragmentation of nitrogen molecules in collision with highly charged ions. Journal of Physics: Conference Series, 2015, 583, 012016.	0.4	2
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	Radiative cooling of C ₇ ⁺ . Journal of Chemical Physics, 2014, 140, 104311.	3.0	30
14	Note: Absolute detection efficiency of a tapered microchannel plate for Ne ⁺ ions. Review of Scientific Instruments, 2014, 85, 086105.	1.3	4
15	Cooling Dynamics of Photoexcited C_6^+ and C_7^+ . Physical Review Letters, 2014, 113, 143201.	7.8	62
16	Atomic Site-Sensitive Processes in Low Energy Ion-Dimer Collisions. Physical Review Letters, 2014, 113, 143201.	7.8	17
17	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
18	Direct observation of internal energy distributions of C ₅ ⁺ . Journal of Chemical Physics, 2013, 139, 054306.	3.0	36

#	ARTICLE	IF	CITATIONS
19	Multiple ionization and complete fragmentation of OCS by impact with highly charged ions Ar^{4+} and Ar^{8+} at 15 keV $q \approx 1$. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 045205.	1.5	25
20	Microhydration of the methylene blue cation in an electrospray ion source. European Physical Journal D, 2011, 63, 189-194.	1.3	1
21	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
22	Absolute Cooling Rates of Freely Decaying Fullerenes. Physical Review Letters, 2009, 103, 143001.	7.8	21
23	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
24	VECTOR CORRELATION OF FRAGMENT IONS PRODUCED BY COLLISION OF AR^{11+} WITH DIMETHYLDISULFIDE. , 2006, , .		0
25	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
26	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
27	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
28	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
29	Ultraviolet photoelectron spectroscopy of C_{60}^- produced by three different generation methods. European Physical Journal D, 1999, 9, 359-362.	1.3	3
30	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
31	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
32	Dual pathway of carbon cluster formation in the laser vaporization. Journal of Chemical Physics, 1997, 107, 8927-8932.	3.0	19
33	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
34	Neutral carbon cluster distribution upon laser vaporization. Journal of Chemical Physics, 1997, 106, 9954-9956.	3.0	52
35	Photoionization/fragmentation of endohedral fullerenes. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1997, 40, 410-413.	1.0	13
36	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

#	ARTICLE	IF	CITATIONS
37	Collision-induced electron detachment of carbon clusters. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1996, 37, 169-174.	1.0	13
38	REACTIONS OF CARBON-SILICON BINARY CLUSTER IONS. Surface Review and Letters, 1996, 03, 661-665.	1.1	1
39	C2-LOSS FRAGMENTATION OF HIGHER FULLERENES AND METALLOFULLERENES. Surface Review and Letters, 1996, 03, 793-798.	1.1	22
40	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
41	Threshold electron spectra of semiconductor cluster ions. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 26, 216-218.	1.0	1
42	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
43	Ring-stacking consideration on higher fullerene growth. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 26, 258-260.	1.0	17
44	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
45	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
46	NMR characterization of isomers of C ₇₈ , C ₈₂ and C ₈₄ fullerenes. Nature, 1992, 357, 142-145.	27.8	519
47	Evidence of linear chain 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