

Marko FÄrstel

List of Publications by Year in descending order

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42
papers

833
citations

623734

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501196

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47
all docs

47
docs citations

47
times ranked

772
citing authors

#	ARTICLE	IF	CITATIONS
1	A hitherto unrecognized source of low-energy electrons in water. <i>Nature Physics</i> , 2010, 6, 143-146.	16.7	261
2	Exploiting single photon vacuum ultraviolet photoionization to unravel the synthesis of complex organic molecules in interstellar ices. <i>Chemical Physics Letters</i> , 2016, 644, 79-98.	2.6	66
3	Autoionization Mediated by Electron Transfer. <i>Physical Review Letters</i> , 2011, 106, 033402.	7.8	52
4	Formation of Methylamine and Ethylamine in Extraterrestrial Ices and Their Role as Fundamental Building Blocks of Proteinogenic α -amino Acids. <i>Astrophysical Journal</i> , 2017, 845, 83.	4.5	38
5	Competition between proton transfer and intermolecular Coulombic decay in water. <i>Nature Communications</i> , 2018, 9, 4988.	12.8	34
6	Detection of the Elusive Triazane Molecule (N_3H_5) in the Gas Phase. <i>ChemPhysChem</i> , 2015, 16, 3139-3142.	2.1	24
7	Formation of Hydroxylamine in Low-Temperature Interstellar Model Ices. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7477-7493.	2.5	24
8	On the Formation of N_3H_3 Isomers in Irradiated Ammonia Bearing Ices: Triazene (H_2NNNH) or Triimide ($HNHNNH$). <i>ChemPhysChem</i> , 2016, 17, 2726-2735.	2.1	21
9	Optical Spectroscopy of the Au_4^{+} Cluster: The Resolved Vibronic Structure Indicates an Unexpected Isomer. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3356-3360.	13.8	21
10	Detecting ultrafast interatomic electronic processes in media by fluorescence. <i>New Journal of Physics</i> , 2014, 16, 102002.	2.9	19
11	Photoelectron Auger electron coincidence spectroscopy of free molecules: New experiments. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2011, 183, 70-79.	1.7	18
12	Formation of Higher Silanes in Low-Temperature Silane (SiH_4) Ices. <i>Inorganic Chemistry</i> , 2016, 55, 8776-8785.	4.0	17
13	Optical Spectrum of the Adamantane Radical Cation. <i>Astrophysical Journal Letters</i> , 2020, 900, L20.	8.3	17
14	Interatomic Coulombic decay in mixed NeKr clusters. <i>Journal of Chemical Physics</i> , 2011, 134, 074306.	3.0	16
15	Infrared Spectrum of the Adamantane ⁺ Water Cation: Hydration-Induced C-H Bond Activation and Free Internal Water Rotation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12098-12104.	13.8	15
16	The photoelectron angular distribution of water clusters. <i>Journal of Chemical Physics</i> , 2013, 138, 234306.	3.0	14
17	ON THE FORMATION OF AMIDE POLYMERS VIA CARBONYL-AMINO GROUP LINKAGES IN ENERGETICALLY PROCESSED ICES OF ASTROPHYSICAL RELEVANCE. <i>Astrophysical Journal</i> , 2016, 820, 117.	4.5	13
18	Theoretical and experimental investigation of Electron Transfer Mediated Decay in ArKr clusters. <i>Chemical Physics</i> , 2017, 482, 226-238.	1.9	12

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19	Observation of electronic energy bands in argon clusters. <i>Physical Review B</i> , 2010, 82, .	3.2	11
20	A Reflectron Time-of-Flight Mass Spectrometric Study on the Degradation Pathways of Glycine on Mars in the Presence of Perchlorates and Ionizing Radiation. <i>Astrophysical Journal</i> , 2017, 835, 241.	4.5	11
21	Improved tandem mass spectrometer coupled to a laser vaporization cluster ion source. <i>Review of Scientific Instruments</i> , 2017, 88, 123110.	1.3	11
22	PENTACARBON DIOXIDE (C ₅ O ₂) FORMATION AND ITS ROLE AS A TRACER OF SOLAR SYSTEM EVOLUTION. <i>Astrophysical Journal Letters</i> , 2016, 818, L30.	8.3	10
23	Long-Range Interatomic Coulombic Decay in ArXe Clusters: Experiment and Theory. <i>Journal of Physical Chemistry C</i> , 2016, 120, 22957-22971.	3.1	10
24	Soft-x-ray fragmentation studies of molecular ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 194007.	1.5	9
25	Energy band dispersion in photoemission spectra of argon clusters. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2011, 184, 107-112.	1.7	9
26	New insight into the Auger decay process in O ₂ : The coincidence perspective. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2012, 185, 234-243.	1.7	9
27	Determination of absolute cross sections for cluster-specific decays. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 105101.	1.5	9
28	Fluorescence cascades evoked by resonant interatomic Coulombic decay of inner-valence excited neon clusters. <i>Chemical Physics</i> , 2017, 482, 165-168.	1.9	9
29	Optical Spectroscopy of the Au ₄ ⁺ Cluster: The Resolved Vibronic Structure Indicates an Unexpected Isomer. <i>Angewandte Chemie</i> , 2019, 131, 3394-3398.	2.0	9
30	The Optical Spectrum of Au ₂ ⁺ . <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21403-21408.	13.8	9
31	Infrared action spectroscopy of nitrous oxide on cationic gold and cobalt clusters. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 329-338.	2.8	8
32	Synthesis of the Smallest Member of the Silylketene Family: H ₃ SiC(H)=C=O. <i>ChemPhysChem</i> , 2017, 18, 882-889.	2.1	7
33	Microhydration of substituted diamondoid radical cations of biological relevance: infrared spectra of amantadine ⁺ -(H ₂ O) _n clusters. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 28123-28139.	2.8	7
34	Near-Infrared Spectrum of the First Excited State of Au ₂ ⁺ . <i>Chemistry - A European Journal</i> , 2021, 27, 15074-15079.	3.3	5
35	The Optical Spectrum of Au ₂ ⁺ . <i>Angewandte Chemie</i> , 2020, 132, 21587-21592.	2.0	4
36	Structure and photochemistry of a potential precursor of circumstellar dust: The optical spectrum of Si ₄ C ₂ ⁺ . <i>Journal of Molecular Spectroscopy</i> , 2021, 377, 111427.	1.2	3

#	ARTICLE	IF	CITATIONS
37	Detection of the Elusive Triazane Molecule (N ₃ H ₅) in the Gas Phase. ChemPhysChem, 2015, 16, 3123-3123.	2.1	1
38	Untangling the Formation Mechanisms of Biorelevant Molecules in the ISM with Photoionization Reflectron Time-of-Flight Mass Spectrometry. Proceedings of the International Astronomical Union, 2015, 11, 305-306.	0.0	0
39	Synthesis of the Smallest Member of the Silylketene Family: H ₃ SiC(H)=C=O. ChemPhysChem, 2017, 18, 867-867.	2.1	0
40	Infrared Spectrum of the Adamantane + H ₂ O ⁺ Water Cation: Hydration-Induced C-H Bond Activation and Free Internal Water Rotation. Angewandte Chemie, 2020, 132, 12196-12202.	2.0	0
41	Abstraktbild: Infrared Spectrum of the Adamantane + H ₂ O ⁺ Water Cation: Hydration-Induced C-H Bond Activation and Free Internal Water Rotation (Angew. Chem. 29/2020). Angewandte Chemie, 2020, 132, 12320-12320.	2.0	0
42	Innentitelbild: The Optical Spectrum of Au ₂ ⁺ (Angew. Chem. 48/2020). Angewandte Chemie, 2020, 132, 21434-21434.	2.0	0