

Marko Färstel

List of Publications by Year in descending order

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and photochemistry of a potential precursor of circumstellar dust: The optical spectrum of Si ₄ C ₂ ⁺ . Journal of Molecular Spectroscopy, 2021, 377, 111427.	1.2	3
2	Near-Infrared Spectrum of the First Excited State of Au ₂ ⁺ . Chemistry - A European Journal, 2021, 27, 15074-15079.	3.3	5
3	Infrared action spectroscopy of nitrous oxide on cationic gold and cobalt clusters. Physical Chemistry Chemical Physics, 2021, 23, 329-338.	2.8	8
4	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
5	Abstract: 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
6	The Optical Spectrum of Au ₂ ⁺ . Angewandte Chemie - International Edition, 2020, 59, 21403-21408.	13.8	9
7	The Optical Spectrum of Au ₂ ⁺ . Angewandte Chemie, 2020, 132, 21587-21592.	2.0	4
8	Abstract: The Optical Spectrum of Au ₂ ⁺ (Angew. Chem. 48/2020). Angewandte Chemie, 2020, 132, 21434-21434.	2.0	0
9	Infrared Spectrum of the Adamantane + H ₂ O ⁺ Water Cation: Hydration-Induced C-H Bond Activation and Free Internal Water Rotation. Angewandte Chemie - International Edition, 2020, 59, 12098-12104.	13.8	15
10	Microhydration of substituted diamondoid radical cations of biological relevance: infrared spectra of adamantane-(H ₂ O) ₃ clusters. Physical Chemistry Chemical Physics, 2020, 22, 28123-28139.	2.8	7
11	Optical Spectrum of the Adamantane Radical Cation. Astrophysical Journal Letters, 2020, 900, L20.	8.3	17
12	Optical Spectroscopy of the Au ₄ ⁺ Cluster: The Resolved Vibronic Structure Indicates an Unexpected Isomer. Angewandte Chemie, 2019, 131, 3394-3398.	2.0	9
13	Optical Spectroscopy of the Au ₄ ⁺ Cluster: The Resolved Vibronic Structure Indicates an Unexpected Isomer. Angewandte Chemie - International Edition, 2019, 58, 3356-3360.	13.8	21
14	Competition between proton transfer and intermolecular Coulombic decay in water. Nature Communications, 2018, 9, 4988.	12.8	34
15	A Reflectron Time-of-Flight Mass Spectrometric Study on the Degradation Pathways of Glycine on Mars in the Presence of Perchlorates and Ionizing Radiation. Astrophysical Journal, 2017, 835, 241.	4.5	11
16	Synthesis of the Smallest Member of the Silylketene Family: H ₃ SiC(H)=C=O. ChemPhysChem, 2017, 18, 882-889.	2.1	7
17	Synthesis of the Smallest Member of the Silylketene Family: H ₃ SiC(H)=C=O. ChemPhysChem, 2017, 18, 867-867.	2.1	0
18	Formation of Hydroxylamine in Low-Temperature Interstellar Model Ices. Journal of Physical Chemistry A, 2017, 121, 7477-7493.	2.5	24

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19	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
20	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
21	Theoretical and experimental investigation of Electron Transfer Mediated Decay in ArKr clusters. <i>Chemical Physics</i> , 2017, 482, 226-238.	1.9	12
22	Improved tandem mass spectrometer coupled to a laser vaporization cluster ion source. <i>Review of Scientific Instruments</i> , 2017, 88, 123110.	1.3	11
23	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
24	PENTACARBON DIOXIDE (C_5O_2) FORMATION AND ITS ROLE AS A TRACER OF SOLAR SYSTEM EVOLUTION. <i>Astrophysical Journal Letters</i> , 2016, 818, L30.	8.3	10
25	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
26	Formation of Higher Silanes in Low-Temperature Silane (SiH_4) Ices. <i>Inorganic Chemistry</i> , 2016, 55, 8776-8785.	4.0	17
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	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
29	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
30	Detection of the Elusive Triazane Molecule (N_3H_5) in the Gas Phase. <i>ChemPhysChem</i> , 2015, 16, 3139-3142.	2.1	24
31	Detection of the Elusive Triazane Molecule (N_3H_5) in the Gas Phase. <i>ChemPhysChem</i> , 2015, 16, 3123-3123.	2.1	1
32	Untangling the Formation Mechanisms of Biorelevant Molecules in the ISM with Photoionization Reflectron Time-of-Flight Mass Spectrometry. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 305-306.	0.0	0
33	Detecting ultrafast interatomic electronic processes in media by fluorescence. <i>New Journal of Physics</i> , 2014, 16, 102002.	2.9	19
34	The photoelectron angular distribution of water clusters. <i>Journal of Chemical Physics</i> , 2013, 138, 234306.	3.0	14
35	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
36	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

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37	Energy band dispersion in photoemission spectra of argon clusters. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 107-112.	1.7	9
38	Autoionization Mediated by Electron Transfer. Physical Review Letters, 2011, 106, 033402.	7.8	52
39	Interatomic Coulombic decay in mixed NeKr clusters. Journal of Chemical Physics, 2011, 134, 074306.	3.0	16
40	A hitherto unrecognized source of low-energy electrons in water. Nature Physics, 2010, 6, 143-146.	16.7	261
41	Observation of electronic energy bands in argon clusters. Physical Review B, 2010, 82, .	3.2	11
42	Soft-x-ray fragmentation studies of molecular ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 194007.	1.5	9