

Marcin Gronowski

List of Publications by Year in descending order

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36
papers

408
citations

759233

12
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794594

19
g-index

37
all docs

37
docs citations

37
times ranked

332
citing authors

#	ARTICLE	IF	CITATIONS
1	Matrix isolation IR spectroscopic and <i>ab initio</i> studies of C ₃ N ⁻ and related species. Journal of Chemical Physics, 2008, 128, 154305.	3.0	48
2	EVIDENCE FOR DIACETYLENE CATION AS THE CARRIER OF A DIFFUSE INTERSTELLAR BAND. Astrophysical Journal Letters, 2010, 714, L64-L67.	8.3	40
3	Spectroscopy of cyanodiacetylene in solid argon and the photochemical generation of isocyanodiacetylene. Journal of Chemical Physics, 2007, 126, 164301.	3.0	31
4	Isomers of cyanodiacetylene: Theoretical structures and IR spectra. Chemical Physics Letters, 2006, 428, 245-248.	2.6	24
5	C ₅ N ⁻ anion and new carbenic isomers of cyanodiacetylene: A matrix isolation IR study. Journal of Chemical Physics, 2008, 128, 154303.	3.0	22
6	Electronic absorption and phosphorescence of cyanodiacetylene. Journal of Chemical Physics, 2010, 133, 074310.	3.0	22
7	UV-induced growth of cyanopolyynes chains in cryogenic solids. Physical Chemistry Chemical Physics, 2011, 13, 16780.	2.8	17
8	<i>Ab initio</i> properties of the NaLi molecule in the electronic state. Physical Review A, 2020, 102, .	2.5	17
9	Generation of Kr ⁻ C ₅ N and Xe ⁻ C ₅ N molecules. Journal of Molecular Structure, 2012, 1025, 140-146.	3.6	14
10	<i>Ab Initio</i> Studies of the Structure and Spectroscopy of CHN ₂ Mg Stoichiometry Molecules and van der Waals Complexes. Journal of Physical Chemistry A, 2013, 117, 4455-4461.	2.5	14
11	The C ₃ N ⁻ anion: First detection of its electronic luminescence in rare gas solids. Journal of Chemical Physics, 2008, 128, 164304.	3.0	13
12	TD-DFT benchmark: Excited states of atoms and atomic ions. Computational and Theoretical Chemistry, 2017, 1108, 50-56.	2.5	12
13	A theoretical study on structure and spectroscopy of C ₃ N ⁻ isomers. Chemical Physics Letters, 2013, 582, 56-59.	2.6	11
14	Cryogenic Photochemical Synthesis and Electronic Spectroscopy of Cyanotetracetylene. Journal of Physical Chemistry A, 2017, 121, 7374-7384.	2.5	11
15	Low temperature Raman spectra of cyanobutadiyne (HC ₅ N). Vibrational Spectroscopy, 2012, 62, 268-272.	2.2	10
16	PROSPECTS FOR THE DETECTION OF INTERSTELLAR CYANOVINYLDENE. Astrophysical Journal, 2009, 701, 488-492.	4.5	9
17	A THEORETICAL STUDY ON THE INTERSTELLAR SYNTHESIS OF H ₂ NCS ⁺ AND HNC ⁺ CATIONS. Astrophysical Journal, 2014, 792, 89.	4.5	9
18	Isomers of cyanodiacetylene: Predictions for the rotational, infrared and Raman spectroscopy. Journal of Molecular Structure, 2007, 834-836, 102-108.	3.6	8

#	ARTICLE	IF	CITATIONS
19	An ab initio study of structure, stability, and spectroscopic parameters of 5-atomic [C, C, H, N, S] isomers. <i>Journal of Molecular Structure</i> , 2015, 1090, 76-85.	3.6	8
20	Electronic Spectroscopy of Methylcyanodiacetylene (CH ₃ C ₅ N). <i>ChemPhysChem</i> , 2016, 17, 4068-4078.	2.1	7
21	Low Temperature Synthesis and Phosphorescence of Methylcyanotriacetylene. <i>Journal of Physical Chemistry A</i> , 2018, 122, 89-99.	2.5	7
22	Structure, Energetics, and Infrared Spectra of Weakly Bound HC ₂ n+1N $\hat{\cdot}$ $\hat{\cdot}$ HCl Complexes. A Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2012, 116, 5665-5673.	2.5	6
23	Quantum Chemical Study on HKrC ₅ N, HXeC ₅ N, and Related Rare Gas Compounds. <i>Journal of Physical Chemistry A</i> , 2015, 119, 2672-2682.	2.5	6
24	Density Functional Exploration of C ₄ H ₃ N Isomers. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5928-5938.	2.5	6
25	Infrared and Raman Spectroscopy of Methylcyanodiacetylene (CH ₃ C ₅ N). <i>ChemPhysChem</i> , 2016, 17, 3047-3054.	2.1	5
26	A theoretical study on the spectroscopy, structure, and stability of C ₂ H ₃ NS molecules. <i>Theoretical Chemistry Accounts</i> , 2016, 135, 1.	1.4	5
27	Structure and Spectroscopy of C ₂ HNO Isomers. <i>Journal of Physical Chemistry A</i> , 2017, 121, 3263-3273.	2.5	4
28	Isomerization of cyanopropyne in solid argon. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 13668-13678.	2.8	4
29	Signatures of UV radiation in low-mass protostars. <i>Astronomy and Astrophysics</i> , 2021, 656, A146.	5.1	4
30	Excited electronic structure of methylcyanoacetylene probed by VUV Fourier-transform absorption spectroscopy. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 182, 286-295.	2.3	3
31	Synthesis and Electronic Phosphorescence of Dicyanooctatetrayne (NC ₁₀ N) in Cryogenic Matrixes. <i>Journal of Physical Chemistry A</i> , 2018, 122, 5580-5588.	2.5	3
32	Photochemistry of XCH ₂ CN (X = $\hat{\cdot}$ Cl, $\hat{\cdot}$ SH) in Argon Matrices. <i>Journal of Physical Chemistry A</i> , 2019, 123, 3818-3830.	2.5	3
33	UV Photolysis of C ₂ H ₅ SH in Solid CO and Ar. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 131-143.	2.7	3
34	Cavity Ring Down Spectroscopy Measurements for High-Overtone Vibrational Bands of HC ₃ N. <i>Journal of Physical Chemistry A</i> , 2015, 119, 9494-9505.	2.5	1
35	Photoisomerization of IC ₃ N $\hat{\cdot}$ An experimental and theoretical study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 395, 112470.	3.9	1
36	A quantum mechanical study on CH ₂ NS ⁺ family of cations, possible interstellar species. <i>EAS Publications Series</i> , 2012, 58, 275-278.	0.3	0