

# Marcin Gronowski

## List of Publications by Year in descending order

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36  
papers

408  
citations

759233

12  
h-index

794594

19  
g-index

37  
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37  
docs citations

37  
times ranked

332  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | UV Photolysis of C <sub>2</sub> H <sub>5</sub> SH in Solid CO and Ar. ACS Earth and Space Chemistry, 2022, 6, 131-143.   | 2.7 | 3         |
| 2  | Signatures of UV radiation in low-mass protostars. Astronomy and Astrophysics, 2021, 656, A146.  | 5.1 | 4         |
| 3  | <i>Ab initio</i> properties of the NaLi molecule in the $3^1\Sigma^+$ electronic state. Physical Review A, 2020, 102, ..   | 2.5 | 17        |
| 4  | Photoisomerization of IC <sub>3</sub> N – An experimental and theoretical study. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 395, 112470.                                   | 3.9 | 1         |
| 5  | Isomerization of cyanopropyne in solid argon. Physical Chemistry Chemical Physics, 2019, 21, 13668-13678.  | 2.8 | 4         |
| 6  | Photochemistry of XCH <sub>2</sub> CN (X = <sup>35</sup> Cl, <sup>37</sup> SH) in Argon Matrices. Journal of Physical Chemistry A, 2019, 123, 3818-3830.                                       | 2.5 | 3         |
| 7  | Low Temperature Synthesis and Phosphorescence of Methylcyanotriacetylene. Journal of Physical Chemistry A, 2018, 122, 89-99.   | 2.5 | 7         |
| 8  | Synthesis and Electronic Phosphorescence of Dicyanoocatetrayne (NC <sub>10</sub> N) in Cryogenic Matrices. Journal of Physical Chemistry A, 2018, 122, 5580-5588.                              | 2.5 | 3         |
| 9  | Structure and Spectroscopy of C <sub>2</sub> HNO Isomers. Journal of Physical Chemistry A, 2017, 121, 3263-3273.   | 2.5 | 4         |
| 10 | TD-DFT benchmark: Excited states of atoms and atomic ions. Computational and Theoretical Chemistry, 2017, 1108, 50-56.   | 2.5 | 12        |
| 11 | Cryogenic Photochemical Synthesis and Electronic Spectroscopy of Cyanotetracetylene. Journal of Physical Chemistry A, 2017, 121, 7374-7384.  | 2.5 | 11        |
| 12 | Electronic Spectroscopy of Methylcyanodiacetylene (CH <sub>3</sub> C <sub>5</sub> N). ChemPhysChem, 2016, 17, 4068-4078.   | 2.1 | 7         |
| 13 | Excited electronic structure of methylcyanoacetylene probed by VUV Fourier-transform absorption spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 182, 286-295. | 2.3 | 3         |
| 14 | Infrared and Raman Spectroscopy of Methylcyanodiacetylene (CH <sub>3</sub> C <sub>5</sub> N). ChemPhysChem, 2016, 17, 3047-3054.   | 2.1 | 5         |
| 15 | A theoretical study on the spectroscopy, structure, and stability of C <sub>2</sub> H <sub>3</sub> NS molecules. Theoretical Chemistry Accounts, 2016, 135, 1.                                 | 1.4 | 5         |
| 16 | Density Functional Exploration of C <sub>4</sub> H <sub>3</sub> N Isomers. Journal of Physical Chemistry A, 2016, 120, 5928-5938.  | 2.5 | 6         |
| 17 | Cavity Ring Down Spectroscopy Measurements for High-Overtone Vibrational Bands of HC <sub>3</sub> N. Journal of Physical Chemistry A, 2015, 119, 9494-9505.                                    | 2.5 | 1         |
| 18 | An ab initio study of structure, stability, and spectroscopic parameters of 5-atomic [C, C, H, N, S] isomers. Journal of Molecular Structure, 2015, 1090, 76-85.                               | 3.6 | 8         |

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|----|--|-----|-----------|
| 19 | Quantum Chemical Study on HKrC <sub>5</sub> N, HXeC <sub>5</sub> N, and Related Rare Gas Compounds. <i>Journal of Physical Chemistry A</i> , 2015, 119, 2672-2682.                             | 2.5 | 6         |
| 20 | A THEORETICAL STUDY ON THE INTERSTELLAR SYNTHESIS OF H <sub>2</sub> NCS <sup>+</sup> AND HNCS <sup>+</sup> CATIONS. <i>Astrophysical Journal</i> , 2014, 792, 89.                              | 4.5 | 9         |
| 21 | A theoretical study on structure and spectroscopy of $C_5N^+$ isomers. <i>Chemical Physics Letters</i> , 2013, 582, 56-59.   | 2.6 | 11        |
| 22 | <i>Ab Initio</i> Studies of the Structure and Spectroscopy of CHN Mg Stoichiometry Molecules and van der Waals Complexes. <i>Journal of Physical Chemistry A</i> , 2013, 117, 4455-4461.       | 2.5 | 14        |
| 23 | A quantum mechanical study on CH <sub>2</sub> NS <sup>+</sup> family of cations, possible interstellar species. <i>EAS Publications Series</i> , 2012, 58, 275-278.                            | 0.3 | 0         |
| 24 | Low temperature Raman spectra of cyanobutadiyne (HC <sub>5</sub> N). <i>Vibrational Spectroscopy</i> , 2012, 62, 268-272.  | 2.2 | 10        |
| 25 | Structure, Energetics, and Infrared Spectra of Weakly Bound HC <sub>2</sub> N <sup>+</sup> ·HCl Complexes. A Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2012, 116, 5665-5673. | 2.5 | 6         |
| 26 | Generation of Kr <sup>+</sup> C <sub>5</sub> N and Xe <sup>+</sup> C <sub>5</sub> N molecules. <i>Journal of Molecular Structure</i> , 2012, 1025, 140-146.                                    | 3.6 | 14        |
| 27 | UV-induced growth of cyanopolyynes chains in cryogenic solids. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16780.   | 2.8 | 17        |
| 28 | EVIDENCE FOR DIACETYLENE CATION AS THE CARRIER OF A DIFFUSE INTERSTELLAR BAND. <i>Astrophysical Journal Letters</i> , 2010, 714, L64-L67.  | 8.3 | 40        |
| 29 | Electronic absorption and phosphorescence of cyanodiacetylene. <i>Journal of Chemical Physics</i> , 2010, 133, 074310.   | 3.0 | 22        |
| 30 | PROSPECTS FOR THE DETECTION OF INTERSTELLAR CYANOVINYLDENE. <i>Astrophysical Journal</i> , 2009, 701, 488-492.   | 4.5 | 9         |
| 31 | C <sub>5</sub> N <sup>-</sup> anion and new carbenic isomers of cyanodiacetylene: A matrix isolation IR study. <i>Journal of Chemical Physics</i> , 2008, 128, 154303.                         | 3.0 | 22        |
| 32 | Matrix isolation IR spectroscopic and <i>ab initio</i> studies of C <sub>3</sub> N <sup>-</sup> and related species. <i>Journal of Chemical Physics</i> , 2008, 128, 154305.                   | 3.0 | 48        |
| 33 | The C <sub>3</sub> N <sup>-</sup> anion: First detection of its electronic luminescence in rare gas solids. <i>Journal of Chemical Physics</i> , 2008, 128, 164304.                            | 3.0 | 13        |
| 34 | Spectroscopy of cyanodiacetylene in solid argon and the photochemical generation of isocyanodiacetylene. <i>Journal of Chemical Physics</i> , 2007, 126, 164301.                               | 3.0 | 31        |
| 35 | Isomers of cyanodiacetylene: Predictions for the rotational, infrared and Raman spectroscopy. <i>Journal of Molecular Structure</i> , 2007, 834-836, 102-108.                                  | 3.6 | 8         |
| 36 | Isomers of cyanodiacetylene: Theoretical structures and IR spectra. <i>Chemical Physics Letters</i> , 2006, 428, 245-248.  | 2.6 | 24        |