

# Jean Claude Guillemin

## List of Publications by Year in descending order

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359  
papers

6,086  
citations

117625

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161849

54  
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383  
all docs

383  
docs citations

383  
times ranked

3489  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Ionic Liquid-Supported Ruthenium Carbene Complex: A Robust and Recyclable Catalyst for Ring-Closing Olefin Metathesis in Ionic Liquids. <i>Journal of the American Chemical Society</i> , 2003, 125, 9248-9249.	13.7	293
2	Design and synthesis of new bidentate alkoxy-NHC ligands for enantioselective copper-catalyzed conjugate addition. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 5237-5254.	1.8	144
3	New bidentate alkoxy-NHC ligands for enantioselective copper-catalysed conjugate addition. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 921-924.	1.8	111
4	Design and synthesis of imidazolium salts derived from (l)-valine. Investigation of their potential in chiral molecular recognition. <i>Chemical Communications</i> , 2004, , 1224-1225.	4.1	108
5	Hydrogenation of solid hydrogen cyanide HCN and methanimine $\text{CH}_2\text{NH}$ at low temperature. <i>Astronomy and Astrophysics</i> , 2011, 534, A64.	5.1	105
6	Olefin metathesis in room temperature ionic liquids using imidazolium-tagged ruthenium complexes. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 3585-3599.	1.8	97
7	Ring-closing metathesis in biphasic BMI- $\text{PF}_6$ ionic liquid/toluene medium: a powerful recyclable and environmentally friendly process. <i>Chemical Communications</i> , 2004, , 2282-2283.	4.1	78
8	Organic chemistry in Titan's atmosphere: New data from laboratory simulations at low temperature. <i>Advances in Space Research</i> , 1995, 16, 93-103.	2.6	76
9	Experimental investigation of aminoacetonitrile formation through the Strecker synthesis in astrophysical-like conditions: reactivity of methanimine ( $\text{CH}_2\text{NH}$ ), ammonia ( $\text{NH}_3$ ), and hydrogen cyanide (HCN). <i>Astronomy and Astrophysics</i> , 2011, 535, A47.	5.1	74
10	Experimental simulation of Titan's organic chemistry at low temperature. <i>Planetary and Space Science</i> , 1995, 43, 25-31.	1.7	72
11	ALMA Detection of Interstellar Methoxymethanol ( $\text{CH}_3\text{OCH}_2\text{OH}$ ). <i>Astrophysical Journal Letters</i> , 2017, 851, L46.	8.3	66
12	A Simple Route to Kinetically Unstabilized Phosphaalkynes. <i>Journal of Organic Chemistry</i> , 2001, 66, 7864-7868.	3.2	57
13	Synthesis and Spectroscopic Characterization of Ethylidynearsine. <i>Journal of the American Chemical Society</i> , 1994, 116, 8930-8936.	13.7	55
14	Rotational spectrum of $^{13}\text{C}_2$ -methyl formate ( $\text{HCOO}^{13}\text{CH}_3$ ) and detection of the $^{13}\text{C}$ -methyl formate in Orion. <i>Astronomy and Astrophysics</i> , 2009, 500, 1109-1118.	5.1	55
15	The Ever-Surprising Chemistry of Boron: Enhanced Acidity of Phosphine-Boranes. <i>Chemistry - A European Journal</i> , 2009, 15, 4622-4629.	3.3	54
16	Primary alkynylphosphines and allenylphosphines. <i>Inorganic Chemistry</i> , 1991, 30, 2170-2173.	4.0	52
17	Synthesis and Characterization of Allylic and Propargylic Selenols. <i>Organometallics</i> , 2002, 21, 68-73.	2.3	52
18	Conformational Composition of Cyclopentadienylphosphine Investigated by Microwave Spectroscopy and Quantum Chemical Calculations. <i>Journal of Physical Chemistry A</i> , 2006, 110, 921-925.	2.5	52

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19	1-Azetine: thermal ring opening to 2-azabutadiene. Journal of the American Chemical Society, 1981, 103, 468-469.	13.7	49
20	High-Yield Formation of Substituted Tetracyanobutadienes from Reaction of Ynamides with Tetracyanoethylene. Chemistry - A European Journal, 2014, 20, 9553-9557.	3.3	48
21	Synthesis of Nonstabilized Phosphaalkynes by Vacuum Gas-Solid HCl Elimination. Angewandte Chemie International Edition in English, 1991, 30, 196-198.	4.4	47
22	Gas-Phase Basicity and Acidity Trends in $\hat{1},\hat{1}^2$ -Unsaturated Amines, Phosphines, and Arsines. Journal of the American Chemical Society, 1999, 121, 4653-4663.	13.7	47
23	Experimentally Determined Structure of H <sub>2</sub> SiO by Rotational Spectroscopy and Isotopic Substitution. Journal of Molecular Spectroscopy, 1996, 175, 421-428.	1.2	46
24	Acidity Trends in $\hat{1},\hat{1}^2$ -Unsaturated Alkanes, Silanes, Germanes, and Stannanes. Journal of the American Chemical Society, 2001, 123, 6353-6359.	13.7	43
25	Microwave and submillimeter spectroscopy and first ISM detection of <sup>18</sup> O-methyl formate. Astronomy and Astrophysics, 2012, 538, A119.	5.1	43
26	Precursors of the RNA World in Space: Detection of (Z)-1,2-ethenediol in the Interstellar Medium, a Key Intermediate in Sugar Formation. Astrophysical Journal Letters, 2022, 929, L11.	8.3	43
27	NHC-containing chiral bidentate ligands: Synthesis and evaluation in enantioselective copper-catalyzed conjugate addition. Chirality, 2007, 19, 471-476.	2.6	41
28	Centrifugal distortion analysis of the rotational spectrum of aziridine: Comparison of different Hamiltonians. Journal of Molecular Spectroscopy, 2010, 264, 94-99.	1.2	39
29	Gas phase dicyanoacetylene (C <sub>4</sub> N <sub>2</sub> ) on Titan: New experimental and theoretical spectroscopy results applied to Cassini CIRS data. Icarus, 2015, 248, 340-346.	2.5	39
30	Dihydrogen Generation from Amine/Boranes: Synthesis, FT-ICR, and Computational Studies. Chemistry - A European Journal, 2012, 18, 3981-3991.	3.3	38
31	Photochemical cycloaddition reactions of cyanoacetylene and dicyanoacetylene. Journal of Organic Chemistry, 1990, 55, 5601-5606.	3.2	37
32	A simple explanation of the enhancement or depletion of the enantiomeric excess in the partial sublimation of enantiomerically enriched amino acids. Chemical Communications, 2010, 46, 1482.	4.1	37
33	Synthesis and Characterization of 2,4-Pentadiynenitrile – A Key Compound in Space Science. Angewandte Chemie - International Edition, 2005, 44, 7224-7226.	13.8	36
34	Report and implications of the first observation of C <sub>4</sub> N <sub>2</sub> in laboratory simulations of Titan's atmosphere. Planetary and Space Science, 1999, 47, 1433-1440.	1.7	35
35	Intramolecular coupling of acetylenic groups of bis(alkynyl)phosphanes and silanes mediated by benzynes/zirconocene: a route to new mono- and tricyclic heterocycles. Tetrahedron, 2004, 60, 1317-1327.	1.9	35
36	Absolute IR Band Intensities of CH <sub>2</sub> N <sub>2</sub> , CH <sub>3</sub> N <sub>3</sub> , and CH <sub>3</sub> NC in the 250–4300 cm <sup>-1</sup> Region and Upper Limits of Abundance in Titan's Stratosphere. Icarus, 1996, 124, 318-328.	2.5	34

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37	First synthesis and characterization of vinylselenols and vinyltellurols. Chemical Communications, 2000, , 1163-1164.	4.1	34
38	IR Spectrum of C <sub>8</sub> H <sub>2</sub> : Integrated Band Intensities and Some Observational Implications. Journal of Molecular Spectroscopy, 2001, 210, 191-195.	1.2	34
39	Ultraviolet and infrared spectrum of C <sub>6</sub> H <sub>2</sub> revisited and vapor pressure curve in Titan's atmosphere. Planetary and Space Science, 2003, 51, 9-17.	1.7	34
40	Allylation of Phosphorus, Arsenic, and Antimony Trihalides by Allylic Stannanes. Synthesis, Spectroscopic Characterization, and Quantum Chemical Investigations of Allylic Phosphines, Arsines, and Stibines. Journal of Organic Chemistry, 1998, 63, 59-68.	3.2	33
41	Vacuum Gas/Solid N-Chlorination: Preparative Scale Synthesis of Volatile N-Chloramines. Synthesis, 1985, 1985, 1131-1133.	2.3	32
42	Lewis base-induced rearrangement of primary ethyn-1-ylphosphines, a new and efficient route to phosphalkynes. Journal of the Chemical Society Chemical Communications, 1992, , 415.	2.0	32
43	Reactions of Allenyltri-n-butylstannane with Halides of Phosphorus, Arsenic, Antimony, Germanium, Tin, and Boron. Preparation of Propargylic and/or Allenic Derivatives. Organometallics, 1999, 18, 5259-5263.	2.3	32
44	Attempts to explain the self-disproportionation observed in the partial sublimation of enantiomerically enriched carboxylic acids. Journal of Fluorine Chemistry, 2010, 131, 545-548.	1.7	32
45	Fourier-transform microwave spectroscopy of a halogen substituted Criegee intermediate ClCHOO. Journal of Chemical Physics, 2016, 145, 184304.	3.0	32
46	Primary Vinyl- and Alkynylstibines: Preparation and Characterization. Inorganic Chemistry, 1995, 34, 1466-1471.	4.0	31
47	Alkenyl Selenols and Selenocyanates: Synthesis, Spectroscopic Characterization by Photoelectron Spectroscopy, and Quantum Chemical Study. Chemistry - A European Journal, 2004, 10, 3649-3656.	3.3	31
48	Low temperature reaction kinetics of CN <sup>+</sup> +HC <sub>3</sub> N and implications for the growth of anions in Titan's atmosphere. Icarus, 2014, 227, 123-131.	2.5	31
49	Allenyl and Alkynyl Selenols and Selenocyanates. Synthesis, Spectroscopic Characterization, and Quantum Chemical Study. Organometallics, 2007, 26, 2507-2518.	2.3	30
50	Primary and Secondary Vinylarsines: Synthesis, Stability and Characterization. Organometallics, 1994, 13, 1525-1527.	2.3	29
51	Synthesis and Characterization of Allylic Dihaloboranes. Organometallics, 1997, 16, 5844-5848.	2.3	29
52	The Gas-Phase Acidity of HCP, CH <sub>3</sub> CP, HCAs, and CH <sub>3</sub> CAs: An Unexpected Enhanced Acidity of the Methyl Group. Chemistry - A European Journal, 2002, 8, 4919-4924.	3.3	29
53	Vacuum Dynamic Gas Phase/Solid-Phase Reactions: N-Chlorination of Primary Amines and $\beta$ -Elimination of the Resulting Chloramines; Synthesis of Reactive (E)- and (Z)-Aldimines. Angewandte Chemie International Edition in English, 1982, 21, 690-690.	4.4	28
54	Gas-Phase Characterization by Photoelectron Spectroscopy of Unstabilized $\alpha$ -Unsaturated Arsines, Ethylidene- and Ethylidynesarsines. Organometallics, 1995, 14, 4732-4735.	2.3	28

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55	Gas-Phase Basicities and Acidities of Ethyl-, Vinyl-, and Ethynylarsine. An Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 1997, 101, 9525-9530.	2.5	28
56	Acidity Trends in $\hat{1}\pm, \hat{1}^2$ -Unsaturated Sulfur, Selenium, and Tellurium Derivatives: Comparison with C-, Si-, Ge-, Sn-, N-, P-, As-, and Sb-Containing Analogues. <i>Chemistry - A European Journal</i> , 2005, 11, 2145-2153.	3.3	28
57	Differences Between Amine- and Phosphine-Boranes: Synthesis, Photoelectron Spectroscopy, and Quantum Chemical Study of the Cyclopropylic Derivatives. <i>Inorganic Chemistry</i> , 2010, 49, 4854-4864.	4.0	28
58	Infrared spectra of triacetylene in the 4000-220 $\text{cm}^{-1}$ region: Absolute band intensity and implications for the atmosphere of Titan. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1994, 50, 1095-1100.	0.1	27
59	Microwave Spectrum of 3-Butyne-1-thiol: Evidence for Intramolecular $\text{S}\cdots\text{H}\cdots\text{S}$ Hydrogen Bonding. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9370-9376.	2.5	27
60	The millimeter wave rotational spectrum of 2H-azirine, $\text{NCH}_2\text{CH}$ . <i>Journal of Molecular Spectroscopy</i> , 1986, 115, 1-14.	1.2	26
61	Synthesis and Characterization of (E)- and (Z)-3-Mercapto-2-propenenitrile. Microwave Spectrum of the Z-Isomer. <i>Journal of Physical Chemistry A</i> , 2007, 111, 1259-1264.	2.5	26
62	The microwave spectrum of the mono deuterated species of methyl formate. <i>Journal of Molecular Spectroscopy</i> , 2009, 254, 55-68.	1.2	26
63	Formation under high-dilution conditions of transient phosphalkenes by Lewis-base-induced rearrangement of vinylphosphines, a useful entry to cyclic phosphines. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 945.	2.0	25
64	Regioselectivity of the Photochemical Addition of Ammonia, Phosphine, and Silane to Olefinic and Acetylenic Nitriles. <i>Chemistry - A European Journal</i> , 1998, 4, 1074-1082.	3.3	25
65	Microwave Spectrum, Structure, and Quantum Chemical Studies of a Compound of Potential Astrochemical and Astrobiological Interest: $\hat{A}^Z$ -3-Amino-2-propenenitrile. <i>Journal of Physical Chemistry A</i> , 2006, 110, 12572-12584.	2.5	25
66	Looking for heteroaromatic rings and related isomers as interstellar candidates. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 4165.	2.8	25
67	THE FIRST ASTROPHYSICAL DETECTION, TERAHERTZ SPECTRUM, AND DATABASE FOR THE MONODEUTERATED SPECIES OF METHYL FORMATE $\text{HCOOCH}_2\text{D}$ . <i>Astrophysical Journal</i> , 2013, 779, 119.	4.5	25
68	Mono-deuterated dimethyl ether: laboratory spectrum up to 1 THz. <i>Astronomy and Astrophysics</i> , 2013, 552, A117.	5.1	25
69	A Convenient Method for the Synthesis of $\hat{1}\pm$ -Functionalized Chlorophosphonic Esters. <i>Synthetic Communications</i> , 1991, 21, 793-798.	2.1	24
70	Submillimeter spectra of 2-hydroxyacetonitrile (glycolonitrile; $\text{HOCH}_2\text{CN}$ ) and its searches in GBT PRIMOS observations of Sgr B2(N). <i>Astronomy and Astrophysics</i> , 2017, 601, A50.	5.1	24
71	Mid-UV spectroscopy of propynenitrile at low temperature: Consequences on expected results from observations of Titan's atmosphere. <i>Journal of Geophysical Research</i> , 1994, 99, 17069.	3.3	23
72	Structural and Conformational Properties of 2-Propynylphosphine (Propargylphosphine) As Studied by Microwave Spectroscopy Supplemented by Quantum Chemical Calculations. <i>Inorganic Chemistry</i> , 2001, 40, 3719-3724.	4.0	23

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73	Are Unsaturated Isocyanides so Different from the Corresponding Nitriles?. ChemPhysChem, 2012, 13, 226-236.	2.1	23
74	Metastable isomers of acetonitrile: syntheses of vinylideneamine and $\hat{I}^{\prime\prime}1$ -azirine. Journal of the Chemical Society Chemical Communications, 1983, , 238-239.	2.0	22
75	Regio- and stereoselective allylic fluorination using chiral rhenium complexes. Journal of Fluorine Chemistry, 1999, 93, 171-173.	1.7	22
76	3-ButeneselenolThe First Example of a Selenol with an Intramolecular Hydrogen Bond as Studied by Microwave Spectroscopy and Quantum Chemical Calculations. Journal of Physical Chemistry A, 2004, 108, 1403-1408.	2.5	22
77	Infrared Spectra of a Species of Astrochemical Interest: $\hat{A}$ Aminoacrylonitrile (3-Amino-2-propenenitrile). Journal of Physical Chemistry A, 2005, 109, 4705-4712.	2.5	22
78	Submillimeterwave spectrum of CH <sub>2</sub> PH and equilibrium structures of CH <sub>2</sub> PH and CH <sub>2</sub> NH. Journal of Molecular Spectroscopy, 2006, 238, 234-240.	1.2	22
79	Electronic absorption and phosphorescence of cyanodiacetylene. Journal of Chemical Physics, 2010, 133, 074310.	3.0	22
80	Organic Selenocyanates: Synthesis, Characterization and Uses in Chemistry and Biology. Current Organic Chemistry, 2011, 15, 1670-1687.	1.6	22
81	Acetaldehyde Solid State Reactivity at Low Temperature: Formation of the Acetaldehyde Ammonia Trimer. Journal of Physical Chemistry A, 2012, 116, 2225-2233.	2.5	22
82	Synthese von nicht stabilisierten Phosphaalkinen durch HClâ€Eliminierung in einer Vakuumâ€Gasâ€Feststoffâ€Reaktion. Angewandte Chemie, 1991, 103, 191-193.	2.0	21
83	Photolysis of phosphine in the presence of acetylene and propyne, gas mixtures of planetary interest. Advances in Space Research, 1995, 16, 85-92.	2.6	21
84	Structural and Conformational Properties of 2-Propenylphosphine (Allylphosphine) as Studied by Microwave Spectroscopy Supplemented by Quantum Chemical Calculations. Journal of Physical Chemistry A, 2002, 106, 11481-11487.	2.5	21
85	Spectroscopic and Quantum Chemical Study of Cyclopropylmethylphosphine, a Candidate for Intramolecular Hydrogen Bonding. Journal of Physical Chemistry A, 2005, 109, 7134-7139.	2.5	21
86	A Quantum Chemical Study of the Generation of a Potential Prebiotic Compound, Cyanoacetaldehyde, and Related Sulfur Containing Species. Journal of Physical Chemistry A, 2008, 112, 11009-11016.	2.5	21
87	Can an Amine Be a Stronger Acid than a Carboxylic Acid? The Surprisingly High Acidity of Amineâ€Borane Complexes. Chemistry - A European Journal, 2012, 18, 15699-15705.	3.3	21
88	Straightforward Synthesis of 5â€Bromopentaâ€2,4â€diynenitrile and Its Reactivity Towards Terminal Alkynes: A Direct Access to Diene and Benzofulvene Scaffolds. Chemistry - A European Journal, 2015, 21, 6042-6047.	3.3	21
89	Laboratory spectroscopy of methoxymethanol in the millimeter-wave range. Physical Chemistry Chemical Physics, 2018, 20, 5509-5516.	2.8	21
90	Millimeter-wave spectrum of cyclopropenone, C <sub>3</sub> H <sub>2</sub> O. Journal of Molecular Spectroscopy, 1990, 140, 190-192.	1.2	20

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91	Vinylmercury Hydrides: Synthesis and Spectroscopic Characterization. Inorganic Chemistry, 1996, 35, 6586-6591.	4.0	20
92	Low Temperature Rate Coefficients for the Reaction $CN + HC\equiv CH$ . Journal of Physical Chemistry A, 2013, 117, 12155-12164.	2.5	20
93	Probing the conformational behavior of the doubly substituted methyl-ethyl Criegee intermediate by FTMW spectroscopy. Journal of Chemical Physics, 2017, 146, 174304.	3.0	20
94	Formation of reactive thioaldehydes by vacuum gas-phase dehydrocyanation of thiocyanohydrins; characterization by MS/MS spectrometry.. Tetrahedron Letters, 1988, 29, 5899-5900.	1.4	19
95	Application of photoelectron spectroscopy to molecular properties. Part 40. Synthesis of P-chlorophosphaethene and N-chloromethanimine: estimation of chlorine substitution on the electronic structure of heteroatomic double bonds. Journal of Organic Chemistry, 1989, 54, 5958-5963.	3.2	19
96	Unstabilized 1-phosphaallenes : synthesis and characterization. Tetrahedron Letters, 1994, 35, 245-248.	1.4	19
97	Synthesis and Characterization of Primary and Secondary Allenyl- and Alkynylarsines. Inorganic Chemistry, 1995, 34, 5694-5697.	4.0	19
98	Photoelectron spectra of vinyl- and 1-alkynylgermanes and stannanes. Journal of Organometallic Chemistry, 1998, 570, 175-182.	1.8	19
99	Prebiotic, planetary and interstellar chemistry starting from compounds detected in the interstellar medium. Advances in Space Research, 2004, 33, 81-87.	2.6	19
100	Spectroscopic and Quantum Chemical Study of the Novel Compound Cyclopropylmethylselenol. Journal of Physical Chemistry A, 2006, 110, 2134-2138.	2.5	19
101	Dynamische Gasphasen-/Festphasen-Reaktionen im Vakuum: N-Chlorierung primärer Amine und $\beta$ -Eliminierung der entstehenden Chloramine; Synthese reaktiver (E)- und (Z)-Aldimine. Angewandte Chemie, 2006, 94, 715-715.	2.0	19
102	Infrared band intensities of cyanobutadiyne ( $HC\equiv C-C\equiv C$ ) between 400 and 4000 $cm^{-1}$ . Journal of Molecular Spectroscopy, 2007, 245, 109-114.	1.2	19
103	Primary Phosphines Studied by Gas-Phase Electron Diffraction and Quantum Chemical Calculations. Are They Different from Amines?. Inorganic Chemistry, 2009, 48, 8603-8612.	4.0	19
104	$\beta$ -Heterosubstituted Acrylonitriles Electronic Structure Study by UV-Photoelectron Spectroscopy and Quantum Chemical Calculations. Journal of Physical Chemistry A, 2009, 113, 2387-2396.	2.5	19
105	Rotational spectrum of a chiral amino acid precursor, 2-aminopropionitrile, and searches for it in Sagittarius B2(N). Astronomy and Astrophysics, 2012, 538, A51.	5.1	19
106	Partial Sublimation of Enantioenriched Amino Acids at Low Temperature. Is it Coming From the Formation of a Euatmotic Composition of the Gaseous Phase?. Journal of Organic Chemistry, 2013, 78, 10530-10533.	3.2	19
107	The millimeter-wave spectrum of aminoacetonitrile. Journal of Molecular Spectroscopy, 1990, 143, 180-182.	1.2	18
108	Absolute absorption coefficient of $C_6H_2$ in the mid-UV range at low temperature; implications for the interpretation of Titan atmospheric spectra. Planetary and Space Science, 1995, 43, 83-89.	1.7	18



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109	Allenyl and Divinyl Phosphines, Arsines, and Stibines as Potential Precursors of the Corresponding 1- and 2-Phospha, 1- and 2-Arsa, and 1- and 2-Stiba Dienes. <i>Organometallics</i> , 1996, 15, 3466-3469.	2.3	18
110	Cyano substituent effects on enol and enethiol acidity and basicity: The protonation and deprotonation of 3-hydroxy-2-propenenitrile and its thio analogue. <i>International Journal of Mass Spectrometry</i> , 2007, 267, 125-133.	1.5	18
111	Methylidynearsine (HCi€As): synthesis and direct characterization by UV-photoelectron spectroscopy and mass spectrometry. <i>Chemical Communications</i> , 2008, , 4204.	4.1	18
112	Functionalized Tellurols: Synthesis, Spectroscopic Characterization by Photoelectron Spectroscopy, and Quantum Chemical Study. <i>Inorganic Chemistry</i> , 2008, 47, 1502-1511.	4.0	18
113	THz spectroscopy and first ISM detection of excited torsional states of <sup>13</sup> C-methyl formate. <i>Astronomy and Astrophysics</i> , 2014, 568, A58.	5.1	18
114	Germane photochemistry. Photolysis of gas mixtures of planetary interest. <i>Planetary and Space Science</i> , 1995, 43, 75-81.	1.7	17
115	Preparation of Soluble Polymeric Supports with a Functional Group for Liquid-Phase Organic Synthesis. <i>Synlett</i> , 2002, 2002, 0316-0318.	1.8	17
116	Gas-Phase Protonation and Deprotonation of Acrylonitrile Derivatives Ni½Ci½CHi½¼CHi½X (X=CH3, NH2,) Tj ETQo0 0 0 rBT /Overlo	3.3	17
117	Accurate Semiexperimental Structure of 1,3,4-Oxadiazole by the Mixed Estimation Method. <i>Journal of Physical Chemistry A</i> , 2013, 117, 2278-2284.	2.5	17
118	Microwave Spectrum and Conformational Properties of 4-Isocyano-1-butene (H<sub>2</sub>C=CHCH<sub>2</sub>CH<sub>2</sub>N%¡C). <i>Journal of Physical Chemistry A</i> , 2014, 118, 1413-1419.	2.5	17
119	Attrition-induced spontaneous chiral amplification of the Î³ polymorphic modification of glycine. <i>CrystEngComm</i> , 2015, 17, 1513-1517.	2.6	17
120	Acidity enhancement of unsaturated bases of group 15 by association with borane and beryllium dihydride. Unexpected boron and beryllium Brønsted acids. <i>Dalton Transactions</i> , 2015, 44, 1193-1202.	3.3	17
121	A convenient synthesis of enolizable N-trialkylsilylimines using vacuum gas-solid reactions. <i>Tetrahedron Letters</i> , 1988, 29, 1287-1288.	1.4	16
122	Primary Î±-dichloromethylphosphine; a precursor of unhindered C-chlorophosphaethylene and synthetic equivalent of phospho-acetylene. <i>Journal of the Chemical Society Chemical Communications</i> , 1989, , 988-990.	2.0	16
123	The photolysis of NH3 in the presence of substituted acetylenes: A possible source of oligomers and HCN on Jupiter. <i>Icarus</i> , 1992, 95, 54-59.	2.5	16
124	Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques. <i>Advances in Space Research</i> , 1995, 15, 5-11.	2.6	16
125	Vinylstannanes: synthesis and characterization. <i>Journal of Organometallic Chemistry</i> , 1995, 486, 57-62.	1.8	16
126	Structural and Conformational Properties of 1,2-Propadienylphosphine (Allenylphosphine) Studied by Microwave Spectroscopy and Quantum Chemical Calculations. <i>Journal of Physical Chemistry A</i> , 2005, 109, 115-121.	2.5	16



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127	Microwave Spectrum and Intramolecular Hydrogen Bonding of Propargyl Selenol ( $\text{HC}\equiv\text{CCH}_2\text{SeH}$ ). Journal of Physical Chemistry A, 2010, 114, 5537-5543.	2.5	16
128	Formation of fulvene in the reaction of $\text{C}_2\text{H}$ with 1,3-butadiene. International Journal of Mass Spectrometry, 2015, 378, 232-245.	1.5	16
129	Conformational analysis of ethyl-substituted Criegee intermediate by FTMW spectroscopy. Journal of Chemical Physics, 2016, 145, 224314.	3.0	16
130	Unsubstituted 1- and 2-phosphabutadienes: preparation and spectroscopic characterization. Inorganic Chemistry, 1993, 32, 5021-5028.	4.0	15
131	Temperature dependence of $\text{HC}_3\text{N}$ , $\text{C}_6\text{H}_2$ , and $\text{C}_4\text{N}_2$ mid-UV absorption coefficients. Application to the interpretation of Titan's atmospheric spectra. Astrophysics and Space Science, 1996, 236, 85-95.	1.4	15
132	Structures of Vinylstannane (Ethenylstannane) and Allylstannane (2-Propenylstannane) Determined by Gas-Phase Electron Diffraction and Quantum Chemical Calculations. Organometallics, 2006, 25, 2626-2633.	2.3	15
133	Extension of the millimeter- and submillimeter-wave spectral databases of deuterated methyl cyanides ( $\text{CH}_2\text{DCN}$ and $\text{CHD}_2\text{CN}$ ). Astronomy and Astrophysics, 2013, 553, A84.	5.1	15
134	Synthesis and spectroscopy of cyanotriacetylene ( $\text{HC}_7\text{N}$ ) in solid argon. Journal of Chemical Physics, 2014, 140, 044329.	3.0	15
135	High temperature sublimation of $\alpha$ -amino acids: a realistic prebiotic process leading to large enantiomeric excess. Chemical Communications, 2015, 51, 7054-7057.	4.1	15
136	Very mild interconversion between aminoacetonitrile and the interstellar species methanimine and hydrogen cyanide. Tetrahedron Letters, 1986, 27, 1147-1148.	1.4	14
137	Synthesis of allenyl- and alkynyl-stannanes by reduction of allenyl- and alkynyl-chlorostannanes. Journal of the Chemical Society Chemical Communications, 1995, , 699.	2.0	14
138	Synthesis and Characterization of Primary Cyclopentadienylphosphines and Cyclopentadienylarsines. Organometallics, 2001, 20, 5405-5412.	2.3	14
139	IR band intensities of $\text{DC}_3\text{N}$ and $\text{HC}_3\text{N}$ : Implication for observations of Titan's atmosphere. Planetary and Space Science, 2006, 54, 635-640.	1.7	14
140	Synthesis and Microwave Spectrum of (2-Chloroethyl)phosphine ( $\text{ClCH}_2\text{CH}_2\text{PH}_2$ ). Journal of Physical Chemistry A, 2009, 113, 12904-12910.	2.5	14
141	Generation of $\text{Kr}^+\text{C}_5\text{N}$ and $\text{Xe}^+\text{C}_5\text{N}$ molecules. Journal of Molecular Structure, 2012, 1025, 140-146.	3.6	14
142	Elusive anion growth in Titan's atmosphere: Low temperature kinetics of the $\text{C}_3\text{N} + \text{HC}_3\text{N}$ reaction. Icarus, 2016, 271, 194-201.	2.5	14
143	Reduction of unsaturated compounds under interstellar conditions: chemoselective reduction of $\text{C}\equiv\text{C}$ and $\text{C}=\text{C}$ bonds over $\text{C}=\text{O}$ functional group. Monthly Notices of the Royal Astronomical Society, 2017, 468, 4592-4600.	4.4	14
144	Internal Rotation of OH Group in 4-Hydroxy-2-butyne nitrile Studied by Millimeter-Wave Spectroscopy. Journal of Physical Chemistry A, 2018, 122, 3163-3169.	2.5	14

#	ARTICLE	IF	CITATIONS
145	Gas-phase identification of ( <i>Z</i> )-1,2-ethenediol, a key prebiotic intermediate in the formose reaction. <i>Chemical Communications</i> , 2022, 58, 2750-2753.	4.1	14
146	Vacuum Dynamic Gas-Phase/Solid-Phase Reactions: N-Chlorination of Primary Amines and the $\beta$ -Elimination of the Resulting Chloramines: Access to Reactive (E)- and (Z)-Aldimines. <i>Angewandte Chemie International Edition in English</i> , 1982, 21, 1515-1524.	4.4	13
147	Flash vacuum thermolysis of $\beta$ -aminonitriles and subsequent HCN removal on solid base, a "one line"™ multistep sequence to reactive N-methyleneamines. <i>Journal of the Chemical Society Chemical Communications</i> , 1985, , 951-952.	2.0	13
148	A Microwave Spectroscopic and Quantum Chemical Study of 3-Butyne-1-selenol ( $\text{HSeCH}_2\text{CH}_2\text{C}\equiv\text{CH}$ ). <i>Journal of Physical Chemistry A</i> , 2008, 112, 3053-3060.	2.5	13
149	Microwave Spectrum and Intramolecular Hydrogen Bonding of 2-Propene-1-selenol ( $\text{H}_2\text{C}=\text{CHCH}_2\text{SeH}$ ). <i>Journal of Physical Chemistry A</i> , 2009, 113, 6342-6347.	2.5	13
150	Synthesis, Microwave Spectrum, and Dipole Moment of Allenylisocyanide ( $\text{H}_2\text{C}=\text{C}=\text{CHNC}$ ), a Compound of Potential Astrochemical Interest. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7978-7983.	2.5	13
151	Kinetic studies at room temperature of the cyanide anion $\text{CN}^-$ with cyanoacetylene ( $\text{HC}_3\text{N}$ ) reaction. <i>Icarus</i> , 2011, 211, 901-905.	2.5	13
152	THE CM-, MM-, AND SUB-MM-WAVE SPECTRUM OF ALLYL ISOCYANIDE AND RADIOASTRONOMICAL OBSERVATIONS IN ORION KL AND THE SgrB2 LINE SURVEYS. <i>Astrophysical Journal</i> , 2013, 777, 120.	4.5	13
153	Hydroxyacetonitrile ( $\text{HOCH}_2\text{CN}$ ) as a precursor for formylcyanide ( $\text{CHO CN}$ ), ketenimine ( $\text{CH}_2\text{CNH}$ ), and cyanogen ( $\text{NCCN}$ ) in Astrophysical conditions. <i>Astronomy and Astrophysics</i> , 2013, 549, A93.	5.1	13
154	Generation and structural characterization of aluminum cyanoacetylde. <i>Journal of Chemical Physics</i> , 2014, 141, 104305.	3.0	13
155	Millimeter and submillimeter wave spectra of mono- $^{13}\text{C}$ -acetaldehydes. <i>Astronomy and Astrophysics</i> , 2015, 579, A46.	5.1	13
156	New reactivity of 6,6-bis-donor-substituted pentafulvenes: one-step synthesis of highly substituted [3]cumulene and dihydropentalene. <i>Tetrahedron</i> , 2015, 71, 4393-4399.	1.9	13
157	Synthesis and reactivity of new chiral rhenium complexes of unsaturated alcohols. <i>Tetrahedron Letters</i> , 1996, 37, 1225-1228.	1.4	12
158	Synthesis of Functionalized Deuterioallylic Compounds. <i>Journal of Organic Chemistry</i> , 1999, 64, 3563-3566.	3.2	12
159	Vibrational Spectra, DFT Calculations, and Assignments of the syn and the gauche Forms of Vinylphosphine. <i>Journal of Molecular Spectroscopy</i> , 2001, 205, 252-260.	1.2	12
160	Vinyl- and ethynylsilanes, -germanes and -stannanes. A new case of dissociative proton attachment. <i>Journal of Physical Organic Chemistry</i> , 2002, 15, 509-513.	1.9	12
161	Strong Dissimilarities Between the Gas-Phase Acidities of Saturated and $\beta$ -Unsaturated Boranes and the Corresponding Alanes and Gallanes. <i>Chemistry - A European Journal</i> , 2008, 14, 2201-2208.	3.3	12
162	Microwave Spectrum and Conformational Composition of 2-Fluoroethylisocyanide. <i>Journal of Physical Chemistry A</i> , 2011, 115, 9192-9198.	2.5	12

#	ARTICLE	IF	CITATIONS
163	Deracemization of Amino Acids by Partial Sublimation and via Homochiral Self-Organization. Origins of Life and Evolution of Biospheres, 2013, 43, 129-135.	1.9	12
164	Methylcyanobutadiyne: Synthesis, X-ray Structure and Photochemistry; Towards an Explanation of Its Formation in the Interstellar Medium. Chemistry - A European Journal, 2013, 19, 17683-17686.	3.3	12
165	Low-Temperature Reactivity of $C_{2n+1}N^+$ Anions with Polar Molecules. Journal of Physical Chemistry Letters, 2016, 7, 2957-2961.	4.6	12
166	Conformational preferences of Criegee intermediates: Isopropyl substituted carbonyl oxide. Journal of Chemical Physics, 2018, 149, 084309.	3.0	12
167	Formation of amines: hydrogenation of nitrile and isonitrile as selective routes in the interstellar medium. Astronomy and Astrophysics, 2019, 628, A15.	5.1	12
168	Torsional-rotational spectrum of doubly deuterated dimethyl ether ( $CH_3OCHD_2$ ). Astronomy and Astrophysics, 2021, 651, A120.	5.1	12
169	Structures of 1,2-Propadienylgermane (Allenylgermane) and 1,2-Propadienylstannane (Allenylstannane) Determined by Gas-Phase Electron Diffraction and Quantum Chemical Calculations. Organometallics, 2006, 25, 2090-2096.	2.3	11
170	More user-friendly phosphines? Molecular structure of methylphosphine and its adduct with borane, studied by gas-phase electron diffraction and quantum chemical calculations. Dalton Transactions, 2008, , 5041.	3.3	11
171	Vinylphosphine-borane: Synthesis, gas phase infrared spectroscopy, and quantum chemical vibrational calculations. Journal of Chemical Physics, 2008, 129, 224308.	3.0	11
172	Are cyclopentadienylberyllium, magnesium and calcium hydrides carbon or metal acids in the gas phase?. Dalton Transactions, 2010, 39, 4593.	3.3	11
173	The submillimeter spectrum of deuterated glycolaldehydes. Astronomy and Astrophysics, 2012, 540, A51.	5.1	11
174	The submillimeter-wave spectrum of the doubly deuterated species of methyl formate $HCOOCD_2H$ . Astronomy and Astrophysics, 2012, 543, A46.	5.1	11
175	Rotational Spectrum and Conformational Composition of Cyanoacetaldehyde, a Compound of Potential Prebiotic and Astrochemical Interest. Journal of Physical Chemistry A, 2012, 116, 4047-4056.	2.5	11
176	Proton transfer reactions of hydrazine-boranes. Journal of Physical Organic Chemistry, 2015, 28, 244-249.	1.9	11
177	An experimental study of the reactivity of $CN^-$ and $C_3N^-$ anions with cyanoacetylene ( $HC_3N$ ). Icarus, 2016, 268, 242-252.	2.5	11
178	Cryogenic Photochemical Synthesis and Electronic Spectroscopy of Cyanotetracetylene. Journal of Physical Chemistry A, 2017, 121, 7374-7384.	2.5	11
179	Stability of $CH_3NCO$ in Astronomical Ices under Energetic Processing: A Laboratory Study. Astrophysical Journal, 2018, 861, 61.	4.5	11
180	Photoionization and dissociative photoionization of propynal in the gas phase: theory and experiment. Physical Chemistry Chemical Physics, 2019, 21, 14053-14062.	2.8	11

#	ARTICLE	IF	CITATIONS
181	Rotational spectroscopy of isotopic cyclopropenone, c-H <sub>2</sub> C <sub>3</sub> O, and determination of its equilibrium structure. Astronomy and Astrophysics, 2021, 647, A179.	5.1	11
182	Submillimeter-wave spectroscopy and the radio-astronomical investigation of propynethial (HCâ%ïCCHS). Astronomy and Astrophysics, 2020, 642, A206.	5.1	11
183	5,6-dihydropyridine: synthesis and characterization. Tetrahedron Letters, 1984, 25, 3847-3848.	1.4	10
184	Alkylmercury hydrides: Preparation and reactivity. Tetrahedron Letters, 1995, 36, 6883-6886.	1.4	10
185	Regio- and Stereoselective Nucleophilic Substitutions of Chiral Allylic Alcohol Rhenium Complexes. Chemistry - A European Journal, 1998, 4, 2162-2172.	3.3	10
186	New chiral rhenium complexes of unsaturated alcohols: preparation and reactivity. Journal of Organometallic Chemistry, 1998, 567, 75-81.	1.8	10
187	First Synthesis and Characterization by Mass Spectrometry and UV-Photoelectron Spectroscopy of Methylenearsane. Angewandte Chemie - International Edition, 2004, 43, 873-875.	13.8	10
188	Microwave Spectrum and Molecular Structure of Etheneselenol. Journal of Physical Chemistry A, 2004, 108, 47-52.	2.5	10
189	Structural and Conformational Properties of 2-Propenylgermane (Allylgermane) Studied by Microwave and Infrared Spectroscopy and Quantum Chemical Calculations. Journal of Physical Chemistry A, 2005, 109, 3822-3829.	2.5	10
190	Synthesis, Chemistry, and Photochemistry of Methylcyanobutadiyne in the Context of Space Science. Journal of Organic Chemistry, 2016, 81, 3560-3567.	3.2	10
191	Glycinamide, a Glycine Precursor, Caught in the Gas Phase: A Laser-ablation Jet-cooled Rotational Study. Astrophysical Journal, 2018, 861, 70.	4.5	10
192	Reduction of Cî€O functional groups through H addition reactions: a comparative study between H<sub>2</sub>CO + H, CH<sub>3</sub>CH<sub>2</sub>CHO + H and CH<sub>3</sub>OCHO + H under interstellar conditions. Physical Chemistry Chemical Physics, 2018, 20, 19971-19978.	2.8	10
193	Formation of methyl ketenimine (CH3CHÂ=ÂCÂ=ÂNH) and ethylcyanide (CH3CH2Câ%ïN) isomers through successive hydrogenations of acrylonitrile (CH2Â=ÂCHÂ~ÂCâ%ïN) under interstellar conditions: The role of CH3CÂ°HÂ~ÂCâ%ïN radical in the activation of the cyano group chemistry. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5210-5220.	4.4	10
194	Fourier transform microwave spectroscopy of Criegee intermediates: The conformational behaviour of butyraldehyde oxide. Journal of Chemical Physics, 2019, 150, 104301.	3.0	10
195	An Efficient Photochemical Route Towards Triplet Ethynylphosphinidene, HCCP. Angewandte Chemie - International Edition, 2021, 60, 6400-6402.	13.8	10
196	Analysis of the terahertz rotational spectrum of the three mono-<sup>13</sup>C ethyl cyanides (<sup>13</sup>Câ€CH<sub>3</sub>CH<sub>2</sub>CN). Astronomy and Astrophysics, 2012, 543, A135.	5.1	10
197	Rotational spectroscopy of isotopic oxirane, <math>\text{C}_2\text{H}_2\text{O}</math>. $\text{C}_2\text{H}_2\text{O}$	1.2	10
198	Synthesis of Primary Î±,Î±-Dichlorophosphines, Precursors of Unhindered C-Chlorophospha-alkenes and Synthetic Equivalents of Î³-Phospha-alkynes. Phosphorus, Sulfur and Silicon and the Related Elements, 1990, 49-50, 317-320.	1.6	9

#	ARTICLE	IF	CITATIONS
199	Regioselectivity of the photochemical addition of phosphine to unsaturated hydrocarbons in the atmospheres of Jupiter and Saturn. <i>Advances in Space Research</i> , 1997, 19, 1093-1102.	2.6	9
200	Ni <sup>+</sup> reactions with aminoacetonitrile, a potential prebiological precursor of glycine. <i>Journal of Mass Spectrometry</i> , 2008, 43, 317-326.	1.6	9
201	Vibrational spectra of vinylarsine: A joint IR experimental and anharmonic theoretical study. <i>Chemical Physics Letters</i> , 2009, 480, 31-36.	2.6	9
202	Microwave Spectrum, Structure, Barrier to Internal Rotation, and Dipole Moment of the Aziridine-Borane Complex (C <sub>2</sub> H <sub>5</sub> N-BH <sub>3</sub> ). <i>Journal of Physical Chemistry A</i> , 2009, 113, 8337-8342.	2.5	9
203	Synthesis, photoelectron spectroscopy and quantum chemical study of kinetically unstabilized phosphines complexed by borane. <i>Dalton Transactions</i> , 2009, , 3526.	3.3	9
204	Anharmonic treatment of vibrational resonance polyads in the diborane: a critical case for numerical methods. <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1.	1.4	9
205	Ionization photophysics and spectroscopy of dicyanoacetylene. <i>Journal of Chemical Physics</i> , 2013, 139, 184304.	3.0	9
206	Laboratory study of methyl isocyanate ices under astrophysical conditions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 4222-4230.	4.4	9
207	Unimolecular decomposition of methyl ketene and its dimer in the gas phase: theory and experiment. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 20394-20408.	2.8	9
208	The millimeter and submillimeter wave spectrum of cyclopropene. <i>Chemical Physics Letters</i> , 1986, 125, 569-576.	2.6	8
209	Millimeter and submillimeter-wave spectrum of methylenecyclopropene. <i>Journal of Molecular Spectroscopy</i> , 1991, 149, 230-234.	1.2	8
210	Rotational Spectrum of Vinylarsine. <i>Journal of Molecular Spectroscopy</i> , 1998, 190, 365-371.	1.2	8
211	Vibrational Spectra of Cyclopentadienylphosphine: Infrared and Theoretical Studies from DFT Anharmonic Potentials. <i>Journal of Physical Chemistry A</i> , 2007, 111, 10961-10968.	2.5	8
212	Unsaturated and Saturated Derivatives of Be, Mg, and Ca: Are They Carbon or Metal Acids in the Gas Phase?. <i>Chemistry - A European Journal</i> , 2008, 14, 10423-10429.	3.3	8
213	Infrared Spectra of a Species of Potential Prebiotic and Astrochemical Interest: Cyanoethenethiol (NC≡CH-CH <sub>2</sub> SH). <i>Journal of Physical Chemistry A</i> , 2010, 114, 9583-9588.	2.5	8
214	Microwave Spectrum and Conformational Composition of 2-Chloroethylisocyanide. <i>Journal of Physical Chemistry A</i> , 2011, 115, 13474-13481.	2.5	8
215	Synthesis, High-Resolution Millimeter-Wave Spectroscopy, and Ab Initio Calculations of Ethylmercury Hydride. <i>Journal of Physical Chemistry A</i> , 2012, 116, 5405-5409.	2.5	8
216	VUV photoionization and dissociative photoionization of the prebiotic molecule acetyl cyanide: Theory and experiment. <i>Journal of Chemical Physics</i> , 2014, 141, 134311.	3.0	8

#	ARTICLE	IF	CITATIONS
217	Gas-Phase Infrared Spectra of Three Compounds of Astrochemical Interest: Vinyl, Allenyl, and Propargyl Isocyanides. <i>ChemPhysChem</i> , 2015, 16, 848-854.	2.1	8
218	Gas-Phase Infrared Spectroscopy of Substituted Cyanobutadiynes: Roles of the Bromine Atom and Methyl Group as Substituents. <i>ChemPhysChem</i> , 2016, 17, 1018-1024.	2.1	8
219	The Laboratory Millimeter and Submillimeter Rotational Spectrum of Lactaldehyde and an Astronomical Search in Sgr B2(N), Orion-KL, and NGC 6334I. <i>Astrophysical Journal</i> , 2019, 883, 18.	4.5	8
220	Submillimeter-wave spectroscopy of and interstellar search for thioacetaldehyde. <i>Journal of Molecular Spectroscopy</i> , 2020, 371, 111304.	1.2	8
221	Absorption coefficient of propynenitrile in the mid-UV range for the study of Titan's atmosphere: Solution to sample contaminations. <i>Journal of Geophysical Research</i> , 1995, 100, 9455.	3.3	7
222	The gas-phase basicity of ethyl-, ethenyl- and ethynylphosphines and arsines. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1998, 175, 27-33.	1.8	7
223	Microwave Fourier transform spectroscopy of vinylstibine. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 2415-2418.	2.8	7
224	Molecular structure of propargylgermane (2-propynylgermane) determined by gas-phase electron diffraction and quantum chemical calculations. <i>Journal of Molecular Structure</i> , 2006, 780-781, 157-162.	3.6	7
225	Gas-Phase Infrared Spectra of Vinyl Selenol and Vinyl Tellurol. <i>Journal of Physical Chemistry A</i> , 2009, 113, 12857-12863.	2.5	7
226	Temperature-dependent photoabsorption cross section of cyanodiacetylene in the vacuum UV. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	7
227	First High Resolution Spectroscopic Studies and Ab Initio Calculations of Ethanetellurol. <i>Journal of Physical Chemistry A</i> , 2010, 114, 2794-2798.	2.5	7
228	The role of hyperconjugative $\pi$ -aromaticity in the enhanced acidity of methyl-, silyl and germylcyclopentadienes. <i>Molecular Physics</i> , 2010, 108, 2467-2476.	1.7	7
229	Microwave Spectra and Barriers to Internal Rotation of $Z$ - and $E$ -1-Propenyl Isocyanide. <i>Journal of Physical Chemistry A</i> , 2012, 116, 8833-8839.	2.5	7
230	The extended spectroscopic database for deuterated species of formamide up to 1 THz. <i>Astronomy and Astrophysics</i> , 2013, 549, A128.	5.1	7
231	Infrared Spectra of Cyanoacetaldehyde (NCCH <sub>2</sub> CHO): A Potential Prebiotic Compound of Astrochemical Interest. <i>ChemPhysChem</i> , 2013, 14, 2764-2771.	2.1	7
232	Photoionization spectroscopy of CH <sub>3</sub> C <sub>3</sub> N in the vacuum-ultraviolet range. <i>Journal of Molecular Spectroscopy</i> , 2015, 315, 206-216.	1.2	7
233	VUV photoionization and dissociative photoionization spectroscopy of the interstellar molecule aminoacetonitrile: Theory and experiment. <i>Journal of Molecular Spectroscopy</i> , 2015, 315, 196-205.	1.2	7
234	Vibronic structure of the $2^2\text{u}$ ground electronic state of dicyanoacetylene cation revisited by PFI-ZEKE photoelectron spectroscopy and <i>ab initio</i> calculations. <i>Molecular Physics</i> , 2015, 113, 3946-3954.	1.7	7



#	ARTICLE	IF	CITATIONS
235	Is the Reaction of $C_3N^+$ with $C_2H_2$ a Possible Process for Chain Elongation in Titan's Ionosphere?. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5337-5347.	2.5	7
236	Low Temperature Synthesis and Phosphorescence of Methylcyanotriacetylene. <i>Journal of Physical Chemistry A</i> , 2018, 122, 89-99.	2.5	7
237	Submillimeter wave spectroscopy of ethyl isocyanide and its searches in Orion. <i>Astronomy and Astrophysics</i> , 2018, 610, A44.	5.1	7
238	Synthesis and Reactivity of 5-Bromopenta-2,4-dienitrile ( $BrC_5N$ ): an Access to Conjugated Scaffolds. <i>Helvetica Chimica Acta</i> , 2019, 102, e1800232.	1.6	7
239	Solid-state formation of CO and H <sub>2</sub> CO via the CHOCHO + H reaction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 289-301.	4.4	7
240	Phosphorescence excitation mapping and vibrational spectroscopy of HC <sub>9</sub> N and HC <sub>11</sub> N cyanopolynes in organic solvents. <i>Journal of Molecular Structure</i> , 2020, 1214, 128201.	3.6	7
241	VUV photoionization of the CH <sub>2</sub> NC radical: adiabatic ionization energy and cationic vibrational mode wavenumber determinations. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12496-12501.	2.8	7
242	Vibrational Spectra of Vinylarsine and Vinylstibine. An Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2002, 106, 6262-6270.	2.5	6
243	Direct condensation of carboxylic acids with polyethylene glycols catalyzed by Sc(OTf) <sub>3</sub> . <i>Tetrahedron Letters</i> , 2002, 43, 8335-8337.	1.4	6
244	A Microwave and Quantum Chemical Study of the Conformational Properties of Etheneselenocyanate ( $H_2CCHSeCN$ ). <i>Journal of Physical Chemistry A</i> , 2007, 111, 7073-7080.	2.5	6
245	Microwave and Quantum Chemical Study of Propa-1,2-dienyl Thiocyanate ( $H_2CCCHSCN$ ). <i>Journal of Physical Chemistry A</i> , 2007, 111, 2542-2546.	2.5	6
246	$Ni^{+}$ Reactions with Aminoacrylonitrile, A Species of Potential Astrochemical Relevance. <i>Journal of Physical Chemistry A</i> , 2008, 112, 10509-10515.	2.5	6
247	Enhanced acidity of cyclopenta-2,4-dienylborane and its Al and Ga analogues. The role of aromatization. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 8759.	2.8	6
248	Microwave Spectrum, Conformational Composition, and Intramolecular Hydrogen Bonding of (2-Chloroethyl)amine ( $ClCH_2CH_2NH_2$ ). <i>Journal of Physical Chemistry A</i> , 2011, 115, 4334-4341.	2.5	6
249	The submillimeter-wave spectrum of diisocyanomethane. <i>Astronomy and Astrophysics</i> , 2012, 544, A82.	5.1	6
250	Frequency and intensity analyses of the far infrared $\hat{1}/2_5$ band system of cyanogen ( $C_2N_2$ ) and applications to Titan. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012, 113, 1195-1219.	2.3	6
251	Microwave Spectrum, Conformational Properties, and Dipole Moment of Cyclopropylmethyl Isocyanide ( $C_3H_5CH_2NC$ ). <i>Journal of Physical Chemistry A</i> , 2013, 117, 5073-5081.	2.5	6
252	Trimethylaluminum and Borane Complexes of Primary Amines. <i>Inorganic Chemistry</i> , 2013, 52, 346-354.	4.0	6



#	ARTICLE	IF	CITATIONS
253	High-Resolution Millimeter Wave Spectroscopy and Ab Initio Calculations of Aminomalononitrile. Journal of Physical Chemistry A, 2015, 119, 1048-1054.	2.5	6
254	MILLIMETER WAVE SPECTRUM AND ASTRONOMICAL SEARCH FOR VINYL FORMATE. Astrophysical Journal, 2016, 832, 42.	4.5	6
255	Rotational Spectrum, Conformational Composition, Intramolecular Hydrogen Bonding, and Quantum Chemical Calculations of Mercaptoacetonitrile ( $\text{HSCH}_2\text{CN}$ ), a Compound of Potential Astrochemical Interest. Journal of Physical Chemistry A, 2016, 120, 1992-2001.	2.5	6
256	Isoselenocyanates versus Isothiocyanates and Isocyanates. Journal of Physical Chemistry A, 2018, 122, 2894-2905.	2.5	6
257	Alkaline and alkaline-earth cyanoacetylides: A combined theoretical and rotational spectroscopic investigation. Journal of Chemical Physics, 2019, 151, 054312.	3.0	6
258	Origin band of the first photoionizing transition of hydrogen isocyanide. Physical Chemistry Chemical Physics, 2019, 21, 2337-2344.	2.8	6
259	Application of photoelectron spectroscopy to molecular properties. 46. Gas-phase structure and stability of alkynylphosphines and allenylphosphines: photoelectronic study. Inorganic Chemistry, 1992, 31, 4425-4427.	4.0	5
260	Is Allylphosphine a Carbon or a Phosphorus Base in the Gas Phase?. European Journal of Mass Spectrometry, 2003, 9, 245-255.	1.0	5
261	Protonation thermochemistry of aminoacetonitrile. Rapid Communications in Mass Spectrometry, 2006, 20, 1187-1191.	1.5	5
262	Synthesis and Microwave Spectrum of Vinyl Isoselenocyanate ( $\text{H}_2\text{C=CHNCSe}$ ), a Compound with a Quasilinear CNCSe Chain. Journal of Physical Chemistry A, 2012, 116, 4074-4081.	2.5	5
263	Rotational spectrum of ethyl cyanoacetylene ( $\text{C}_2\text{H}_5\text{C}\equiv\text{CN}$ ), a compound of potential astrochemical interest. Astronomy and Astrophysics, 2013, 558, A6.	5.1	5
264	Direct Experimental Observation of in situ Dehydrogenation of an Amine-Borane System Using Gas Electron Diffraction. Journal of Physical Chemistry A, 2019, 123, 7104-7112.	2.5	5
265	Synthesis of <i>N</i> -unsubstituted cycloalkylimines containing a 4 to 8-membered ring. Chemical Communications, 2019, 55, 5647-5650.	4.1	5
266	A Comprehensive Spectral Rotational Analysis of the Interstellar Methyl Isocyanate $\text{CH}_3\text{NCO}$ . Astrophysical Journal, Supplement Series, 2019, 245, 31.	7.7	5
267	Single photon ionization of methyl isocyanide and the subsequent unimolecular decomposition of its cation: experiment and theory. Physical Chemistry Chemical Physics, 2019, 21, 26017-26026.	2.8	5
268	Alkylation of uracil and thymine in the gas phase through interaction with alkylmercury compounds. International Journal of Mass Spectrometry, 2019, 436, 153-165.	1.5	5
269	Rotational spectroscopic study and astronomical search for propiolamide in Sgr B2(N). Astronomy and Astrophysics, 2021, 647, A55.	5.1	5
270	High-Resolution Infrared Spectroscopy of DC3N in the Stretching Region. Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	5

#	ARTICLE	IF	CITATIONS
271	Millimeter- and submillimeter-wave spectrum of trans-formaldoxime ( $\text{CH}_2\text{NOH}$ ). <i>Astronomy and Astrophysics</i> , 2021, 649, A60.	5.1	5
272	Highly Regioselective Allylic Substitution Mediated by Chiral Rhenium Complexes. <i>Organometallics</i> , 1997, 16, 1822-1824.	2.3	4
273	Ionization potentials of heteroalkenes: a comparative study. <i>Applied Organometallic Chemistry</i> , 2004, 18, 690-693.	3.5	4
274	Synthesis, chemistry and photochemistry of cyanobutadiyne ( $\text{HCCCCN}$ ). <i>Advances in Space Research</i> , 2008, 42, 2002-2007.	2.6	4
275	Equilibrium CAs and CSb bond lengths. <i>Journal of Molecular Structure</i> , 2009, 930, 21-25.	3.6	4
276	Microwave and Quantum Chemical Study of Propargyl Selenocyanate ( $\text{HC}\equiv\text{CCH}_2\text{SeCN}$ ). <i>Journal of Physical Chemistry A</i> , 2009, 113, 2821-2825.	2.5	4
277	Molecular structures of vinylarsine, vinyldichloroarsine and arsine studied by gas-phase electron diffraction and quantum chemical calculations. <i>Journal of Molecular Structure</i> , 2010, 978, 26-34.	3.6	4
278	High Resolution Millimeter-Wave Spectroscopy of Vinyltellurol. <i>Journal of Physical Chemistry A</i> , 2010, 114, 12202-12207.	2.5	4
279	Microwave Spectrum, and Conformational Composition of (Chloromethyl)phosphine ( $\text{ClCH}_2\text{PH}_2$ ). <i>Journal of Physical Chemistry A</i> , 2010, 114, 10612-10618.	2.5	4
280	New vibrational assignments for the $\nu_1$ to $\nu_{17}$ vibrational modes of aziridine and first analysis of the high-resolution infrared spectrum of aziridine between 720 and $1050\text{ cm}^{-1}$ . <i>Molecular Physics</i> , 2011, 109, 2153-2161.	1.7	4
281	Stability trends and tautomerization of chalcocyclopentadienes. The role of aromaticity. <i>New Journal of Chemistry</i> , 2011, 35, 2713.	2.8	4
282	Reinvestigation of the microwave and new high resolution far-infrared spectra of cis-methyl nitrite, $\text{CH}_3\text{ONO}$ : Rotational study of the two first torsional states. <i>Journal of Molecular Spectroscopy</i> , 2011, 267, 92-99.	1.2	4
283	Microwave Spectrum and Conformational Properties of 4-Isocyano-1-butyne ( $\text{HC}\equiv\text{CCH}_2\text{CH}_2\text{NC}$ ). <i>Journal of Physical Chemistry A</i> , 2013, 117, 10304-10310.	2.5	4
284	Gas phase acidities of N-substituted amine-boranes. <i>Journal of Molecular Modeling</i> , 2013, 19, 5089-5095.	1.8	4
285	Millimeter- and submillimeter-wave spectrum of methyleneaminoacetonitrile. <i>Astronomy and Astrophysics</i> , 2013, 559, A44.	5.1	4
286	New generation mirror systems for the ESRF upgrade beamlines. <i>Journal of Physics: Conference Series</i> , 2013, 425, 052015.	0.4	4
287	Microwave Spectrum and Intramolecular Hydrogen Bonding of 2-Isocyanoethanol ( $\text{HOCH}_2\text{CH}_2\text{NC}$ ). <i>Journal of Physical Chemistry A</i> , 2014, 118, 3120-3127.	2.5	4
288	Microwave and Quantum Chemical Study of the Hydrazino Group as Proton Donor in Intramolecular Hydrogen Bonding of (2-Fluoroethyl)hydrazine ( $\text{FCH}_2\text{CH}_2\text{NHNH}_2$ ). <i>Journal of Physical Chemistry A</i> , 2015, 119, 9252-9261.	2.5	4

#	ARTICLE	IF	CITATIONS
289	Relative stability and proton transfer reactions of unsaturated isocyanides and cyanides. Journal of Physical Organic Chemistry, 2016, 29, 452-459.	1.9	4
290	One-step synthesis of conjugated enynenitriles from bromocyanoacetylene. Organic and Biomolecular Chemistry, 2017, 15, 6050-6056.	2.8	4
291	Isomerization of cyanopropyne in solid argon. Physical Chemistry Chemical Physics, 2019, 21, 13668-13678.	2.8	4
292	Millimeter wave spectroscopy of cyanoketene ( $\text{NC}\equiv\text{CH}=\text{C}=\text{O}$ ) and an observational search in the ISM. Astronomy and Astrophysics, 2020, 638, A3.	5.1	4
293	Hydrogenation of glycolaldehyde to ethylene glycol at 10 K. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2632-2642.	4.4	4
294	Experimental and Computational Studies on the Reactivity of Methanimine Radical Cation ( $\text{H}_2\text{CNH}^+\cdot$ ) and its Isomer Aminomethylene ( $\text{HCNH}_2^+\cdot$ ) With $\text{C}_2\text{H}_2$ . Frontiers in Astronomy and Space Sciences, 2021, 8, .	2.8	4
295	Synthesis, spectroscopic characterization and structure of ethyldynearsine. Journal of Molecular Structure, 1995, 349, 175-178.	3.6	3
296	A microwave spectroscopic and quantum chemical study of propa-1,2-dienyl selenocyanate ( $\text{H}_2\text{C}=\text{C}=\text{CHSeC}\equiv\text{N}$ ) and cyclopropyl selenocyanate ( $\text{C}_3\text{H}_5\text{SeC}\equiv\text{N}$ ). Physical Chemistry Chemical Physics, 2008, 10, 4138.	2.8	3
297	Synthesis, Microwave Spectrum, and Conformational Equilibrium of Propa-1,2-dienethiol ( $\text{H}_2\text{C}=\text{C}=\text{CHSH}$ ). Journal of Physical Chemistry A, 2009, 113, 5906-5911.	2.5	3
298	Microwave Spectrum and Conformational Composition of 3-Fluoropropionitrile ( $\text{FCH}_2\text{CH}_2\text{CN}$ ). Journal of Physical Chemistry A, 2012, 116, 1015-1022.	2.5	3
299	On the Origin of the Enhanced Acidity of Chalcocyclopentadienes (Cyclopentadiene Chalcogenols) in the Gas Phase. ChemPhysChem, 2012, 13, 1167-1172.	2.1	3
300	Synthesis, Microwave Spectrum, and Conformational Properties of 2-Fluoroethyl Azide ( $\text{FCH}_2\text{CH}_2\text{N}_3$ ). Journal of Physical Chemistry A, 2013, 117, 1935-1940.	2.5	3
301	Conformational preferences of $\text{RCH}_2\text{CH}_2\text{CN}$ ( $\text{R}=\text{CH}_3, \text{F}, \text{Cl}$ ) cyanides and their corresponding isocyanides. Structural Chemistry, 2013, 24, 1789-1798.	2.0	3
302	On the Structures, Lifetimes, and Infrared Spectra of Alkylmercury Hydrides. ChemPhysChem, 2014, 15, 530-541.	2.1	3
303	Microwave Spectrum, Conformational Composition, and Dipole Moment of (Fluoromethyl)cyclopropane ( $\text{C}_3\text{H}_5\text{CH}_2\text{F}$ ). Journal of Physical Chemistry A, 2014, 118, 2344-2352.	2.5	3
304	The Electronic Structure of Some Cyanohydrins—Spectroscopically Underinvestigated Family of Compounds. ChemPhysChem, 2015, 16, 3660-3671.	2.1	3
305	Conformational Properties of cis- and trans-N-Cyclopropylformamide Studied by Microwave Spectroscopy and Quantum Chemical Calculations. Journal of Physical Chemistry A, 2015, 119, 3375-3383.	2.5	3
306	Microwave and Quantum-Chemical Study of Conformational Properties and Intramolecular Hydrogen Bonding of 2-Hydroxy-3-Butynenitrile ( $\text{HC}\equiv\text{CCH}(\text{OH})\text{CN}$ ). Journal of Physical Chemistry A, 2015, 119, 634-640.	2.5	3

#	ARTICLE	IF	CITATIONS
307	Structure, spectroscopy, and thermal decomposition of 5-chloro-1,2,3,4-thiatriazole: a He I photoelectron, infrared, and quantum chemical study. <i>Structural Chemistry</i> , 2015, 26, 1603-1610.	2.0	3
308	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
309	Metallic cyanoacetylides of copper, silver and gold: generation and structural characterization. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28538-28547.	2.8	3
310	Synthesis and Electronic Phosphorescence of Dicyanooctatetrayne (NC <sub>10</sub> N) in Cryogenic Matrixes. <i>Journal of Physical Chemistry A</i> , 2018, 122, 5580-5588.	2.5	3
311	Photochemistry of XCH <sub>2</sub> CN (X = <sup>35</sup> Cl, <sup>33</sup> SH) in Argon Matrices. <i>Journal of Physical Chemistry A</i> , 2019, 123, 3818-3830.	2.5	3
312	Extensive ro-vibrational analysis of deuterated-cyanoacetylene (DC <sub>3</sub> N) from millimeter-wavelengths to the infrared domain. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 254, 107221.	2.3	3
313	An Efficient Photochemical Route Towards Triplet Ethynylphosphinidene, HCCP. <i>Angewandte Chemie</i> , 2021, 133, 6470-6472.	2.0	3
314	Passerini and Ugi Reactions Involving Kinetically Unstable Isocyanides. <i>European Journal of Organic Chemistry</i> , 0, , .	2.4	3
315	The ground-state rotational spectrum and molecular geometry of ethynylstannane. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 2145.	2.8	2
316	A Microwave and Quantum Chemical Study of Cyclopropanethiol. <i>Journal of Physical Chemistry A</i> , 2008, 112, 4601-4607.	2.5	2
317	Microwave and Quantum Chemical Study of Propargyl Thiocyanate (HC≡CCH <sub>2</sub> SC≡N). <i>Journal of Physical Chemistry A</i> , 2010, 114, 2300-2305.	2.5	2
318	VUV spectroscopy and photochemistry of five interstellar and putative prebiotic molecules. <i>EAS Publications Series</i> , 2012, 58, 301-306.	0.3	2
319	Rotational spectroscopy of imidazole: Accurate spectroscopic information for three vibrationally excited states and the heavy-atom isotopologues up to 295 GHz. <i>Journal of Molecular Spectroscopy</i> , 2021, 378, 111452.	1.2	2
320	Rotational spectrum of 4-methylcyanoallene (CH <sub>3</sub> CH=C=CH-CN), a chiral molecule of potential astrochemical interest. <i>Astronomy and Astrophysics</i> , 2014, 564, A82.	5.1	2
321	Rotational spectroscopic study of S-methyl thioformate. <i>Astronomy and Astrophysics</i> , 2020, 644, A102.	5.1	2
322	A theoretical study on the dimers of aminoacrylonitrile (3-amino-2-propenenitrile), a compound of astrochemical interest. <i>Arkivoc</i> , 2005, 2005, 239-252.	0.5	2
323	Spectroscopic and Computational Characterization of 2-Aza-1,3-butadiene, a Molecule of Astrochemical Significance. <i>Journal of Physical Chemistry A</i> , 2022, 126, 1881-1888.	2.5	2
324	Photoelectron spectrum of chlorophosphaethyne. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 403.	2.0	1

#	ARTICLE	IF	CITATIONS
325	Hybrid ligands. Structure of a palladium(II) complex containing a pyrazolol-derived phosphine ligand, [(o-C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub> NMe <sub>2</sub> )Pd(Ph <sub>2</sub> P{C=C(O)N(Ph)N=C(Me)})]. Acta Crystallographica Section C: Crystal Structure Communications, 1994, 50, 193-195.	0.4	1
326	Partial pressures and nature of products. Application to the photolysis of PH <sub>3</sub> and NH <sub>3</sub> in the atmosphere of Jupiter and Saturn. Advances in Space Research, 2001, 27, 245-253.	2.6	1
327	A Microwave and Quantum Chemical Study of Cyclopropaneselenol. Journal of Physical Chemistry A, 2008, 112, 8046-8052.	2.5	1
328	Organic synthesis applied to space sciences. EPJ Web of Conferences, 2011, 18, 06004.	0.3	1
329	Functionalised 1-Alkynylarsines: Synthesis, Characterisation, and Attempts of Rearrangement into Functionalised Arsaalkynes. Australian Journal of Chemistry, 2014, 67, 1357.	0.9	1
330	Synthesis, Microwave Spectrum, Quantum Chemical Calculations, and Conformational Composition of the Novel Compound Cyclopropylethylidynephosphine (C <sub>3</sub> H <sub>5</sub> CH <sub>2</sub> Câ%ïP). Journal of Physical Chemistry A, 2014, 118, 9994-10001.	2.5	1
331	Synthesis, Microwave Spectrum, Quantum Chemical Calculations, and Conformational Composition of a Novel Primary Phosphine, Cyclopropylethynylphosphine, (C <sub>3</sub> H <sub>5</sub> Câ%ïCPH <sub>2</sub> ). Journal of Physical Chemistry A, 2014, 118, 9419-9428.	2.5	1
332	Ring Planarity Problem of 2-Oxazoline Revisited Using Microwave Spectroscopy and Quantum Chemical Calculations. Journal of Physical Chemistry A, 2015, 119, 4875-4884.	2.5	1
333	Microwave and Quantum Chemical Study of Intramolecular Hydrogen Bonding in 2-Propynylhydrazine (HCâ%ïCCH <sub>2</sub> NHNH <sub>2</sub> ). Journal of Physical Chemistry A, 2016, 120, 4071-4078.	2.5	1
334	Microwave and Quantum Chemical Study of Intramolecular Hydrogen Bonding in 2-Propenylhydrazine (H <sub>2</sub> Câ%ïCHCH <sub>2</sub> NHNH <sub>2</sub> ). Journal of Physical Chemistry A, 2016, 120, 407-416.	2.5	1
335	Transfer of Asymmetry between Proteinogenic Amino Acids under Harsh Conditions. Origins of Life and Evolution of Biospheres, 2017, 47, 371-379.	1.9	1
336	Spectroscopic Studies on Hydrazineâ€“Boranes, Key Compounds for Chemical Hydrogen Storage. Journal of Physical Chemistry A, 2019, 123, 6003-6015.	2.5	1
337	Vibronic structure of the cyanobutadiyne cation. I. VUV photoionization study of HC <sub>5</sub> N. Journal of Chemical Physics, 2019, 150, 244304.	3.0	1
338	Structural and thermochemical studies of pyrrolidine borane and piperidine borane by gas electron diffraction and quantum chemical calculations. Structural Chemistry, 2021, 32, 205-213.	2.0	1
339	Organic residues in astrophysical ice analogues: Thermal processing of hydrogenated glyoxal ices under interstellar conditions. Monthly Notices of the Royal Astronomical Society, 2021, 504, 2181-2189.	4.4	1
340	Spectroscopy of methylcyanodiacetylene revisited. Solid parahydrogen and solid neon matrix studies. Journal of Molecular Structure, 2020, 1218, 128437.	3.6	1
341	From Molecular to Cluster Properties: Rotational Spectroscopy of 2-Aminopyridine and of Its Biomimetic Cluster with Water. Molecules, 2021, 26, 6870.	3.8	1
342	Synchrotron-based far-infrared spectroscopy of $\text{HC}_3\text{N}$ . Extended ro-vibrational analysis and new line list up to 3360 Åcm.  $\text{HC}_3\text{N}$ .  $\text{HC}_3\text{N}$ . Extended ro-vibrational analysis and new line list up to 3360 Åcm.	2.3	1

#	ARTICLE	IF	CITATIONS
343	Phosphorescence of Hydrogen-Capped Linear Polyne Molecules C <sub>8</sub> H <sub>2</sub> , C <sub>10</sub> H <sub>2</sub> and C <sub>12</sub> H <sub>2</sub> in Solid Hexane Matrices at 20 K. Photochem, 2022, 2, 181-201.	2.2	1
344	Photochemical cycloaddition of cyanoacetylene and dicyanoacetylene. Origins of Life and Evolution of Biospheres, 1989, 19, 491-492.	1.9	0
345	Soluble Polymer Supported Asymmetric Synthesis (SPSAS). ChemInform, 2003, 34, no.	0.0	0
346	An Ionic Liquid Supported Ruthenium Carbene Complex: A Robust and Recyclable Catalyst for Ring-Closing Olefin Metathesis in Ionic Liquids.. ChemInform, 2003, 34, no.	0.0	0
347	Intramolecular Coupling of Acetylenic Groups of Bis(alkynyl)phosphanes and Silanes Mediated by Benzynezirconocene: A Route to New Mono- and Tricyclic Heterocycles.. ChemInform, 2004, 35, no.	0.0	0
348	Design and Synthesis of Imidazolinium Salts Derived from (L)-Valine. Investigation of Their Potential in Chiral Molecular Recognition.. ChemInform, 2004, 35, no.	0.0	0
349	Ring-Closing Metathesis in Biphasic BMI-IPF <sub>6</sub> Ionic Liquid/Toluene Medium: A Powerful Recyclable and Environmentally Friendly Process.. ChemInform, 2005, 36, no-no.	0.0	0
350	New Bidentate Alkoxy-NHC Ligands for Enantioselective Copper-Catalyzed Conjugate Addition.. ChemInform, 2005, 36, no.	0.0	0
351	Olefin Metathesis in Room Temperature Ionic Liquids Using Imidazolium-Tagged Ruthenium Complexes.. ChemInform, 2005, 36, no.	0.0	0
352	Laboratory experiments as support to the built up of Titan's theoretical models and interpretation of Cassini-Huygens data. Proceedings of the International Astronomical Union, 2008, 4, 319-320.	0.0	0
353	Molecular Structure of Trichloroethenylgermane, CH <sub>2</sub> =CH-GeCl <sub>3</sub> , as Studied by Gas-Phase Electron Diffraction. Experimental Determination of the Barrier of Internal Rotation of the Trichlorogermyl Group Supplemented with Quantum Chemical Calculations on CH <sub>2</sub> =CH-MX <sub>3</sub> (M = C, Si, Ge, Sn, and X = H, F, Cl, Br, I). J. Phys. Chem. A, 2009, 113, 10784-10791.	2.5	0
354	High Resolution Millimeter-Wave Spectroscopy of Cyclopropylphosphine-Borane. Journal of Physical Chemistry A, 2012, 116, 1565-1570.	2.5	0
355	Inside Cover: On the Origin of the Enhanced Acidity of Chalcocyclopentadienes (Cyclopentadiene). J. Phys. Chem. A, 2013, 117, 10784-10791.	2.1	0
356	Microwave Spectrum and Conformational Composition of (Azidomethyl)cyclopropane (C <sub>3</sub> H <sub>5</sub> CH <sub>2</sub> N <sub>3</sub> ). Journal of Physical Chemistry A, 2014, 118, 6971-6978.	2.5	0
357	Luminescent probing of the simplest chiral amino acid-alanine in an enantiopure and racemic state. Chirality, 2017, 29, 332-339.	2.6	0
358	Quasi-symmetry effects in the threshold photoelectron spectrum of methyl isocyanate. Journal of Chemical Physics, 2020, 153, 074308.	3.0	0
359	Phosphorescence of C <sub>5</sub> N <sup>+</sup> in Rare Gas Solids. Photochem, 2022, 2, 263-271.	2.2	0