

# Jean Claude Guillemin

## List of Publications by Year in descending order

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359  
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6,086  
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134610

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383  
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docs citations

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3822  
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.	6.6	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.	0.8	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.	2.2	108
5	Hydrogenation of solid hydrogen cyanide HCN and methanimine CH <sub>2</sub> NH at low temperature. <i>Astronomy and Astrophysics</i> , 2011, 534, A64.	2.1	105
6	Olefin metathesis in room temperature ionic liquids using imidazolium-tagged ruthenium complexes. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 3585-3599.	0.8	97
7	Ring-closing metathesis in biphasic BMIÂ-PF <sub>6</sub> ionic liquid/toluene medium: a powerful recyclable and environmentally friendly process. <i>Chemical Communications</i> , 2004, , 2282-2283.	2.2	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.	1.2	76
9	Experimental investigation of aminoacetonitrile formation through the Strecker synthesis in astrophysical-like conditions: reactivity of methanimine (CH <sub>2</sub> NH), ammonia (NH <sub>3</sub> ), and hydrogen cyanide (HCN). <i>Astronomy and Astrophysics</i> , 2011, 535, A47.	2.1	74
10	Experimental simulation of Titan's organic chemistry at low temperature. <i>Planetary and Space Science</i> , 1995, 43, 25-31.	0.9	72
11	ALMA Detection of Interstellar Methoxymethanol (CH <sub>3</sub> OCH <sub>2</sub> OH). <i>Astrophysical Journal Letters</i> , 2017, 851, L46.	3.0	66
12	A Simple Route to Kinetically Unstabilized Phosphaalkynes. <i>Journal of Organic Chemistry</i> , 2001, 66, 7864-7868.	1.7	57
13	Synthesis and Spectroscopic Characterization of Ethylidynesarsine. <i>Journal of the American Chemical Society</i> , 1994, 116, 8930-8936.	6.6	55
14	Rotational spectrum of <sup>13</sup> C <sub>2</sub> -methyl formate (HCOO <sup>13</sup> CH <sub>3</sub> ) and detection of the two <sup>13</sup> C-methyl formate in Orion. <i>Astronomy and Astrophysics</i> , 2009, 500, 1109-1118.	2.1	55
15	The Everâ€‘Surprising Chemistry of Boron: Enhanced Acidity of Phosphineâ€‘Boranes. <i>Chemistry - A European Journal</i> , 2009, 15, 4622-4629.	1.7	54
16	Primary alkynylphosphines and allenylphosphines. <i>Inorganic Chemistry</i> , 1991, 30, 2170-2173.	1.9	52
17	Synthesis and Characterization of Allylic and Propargylic Selenols. <i>Organometallics</i> , 2002, 21, 68-73.	1.1	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.	1.1	52

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19	1-Azetine: thermal ring opening to 2-azabutadiene. <i>Journal of the American Chemical Society</i> , 1981, 103, 468-469.	6.6	49
20	High-Yield Formation of Substituted Tetracyanobutadienes from Reaction of Ynamides with Tetracyanoethylene. <i>Chemistry - A European Journal</i> , 2014, 20, 9553-9557.	1.7	48
21	Synthesis of Nonstabilized Phosphaalkynes by Vacuum Gas-Solid HCl Elimination. <i>Angewandte Chemie International Edition in English</i> , 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. <i>Journal of the American Chemical Society</i> , 1999, 121, 4653-4663.	6.6	47
23	Experimentally Determined Structure of H <sub>2</sub> SiO by Rotational Spectroscopy and Isotopic Substitution. <i>Journal of Molecular Spectroscopy</i> , 1996, 175, 421-428.	0.4	46
24	Acidity Trends in $\hat{1},\hat{1}^2$ -Unsaturated Alkanes, Silanes, Germanes, and Stannanes. <i>Journal of the American Chemical Society</i> , 2001, 123, 6353-6359.	6.6	43
25	Microwave and submillimeter spectroscopy and first ISM detection of <sup>18</sup> O-methyl formate. <i>Astronomy and Astrophysics</i> , 2012, 538, A119.	2.1	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. <i>Astrophysical Journal Letters</i> , 2022, 929, L11.	3.0	43
27	NHC-containing chiral bidentate ligands: Synthesis and evaluation in enantioselective copper-catalyzed conjugate addition. <i>Chirality</i> , 2007, 19, 471-476.	1.3	41
28	Centrifugal distortion analysis of the rotational spectrum of aziridine: Comparison of different Hamiltonians. <i>Journal of Molecular Spectroscopy</i> , 2010, 264, 94-99.	0.4	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. <i>Icarus</i> , 2015, 248, 340-346.	1.1	39
30	Dihydrogen Generation from Amine/Boranes: Synthesis, FT-IR, and Computational Studies. <i>Chemistry - A European Journal</i> , 2012, 18, 3981-3991.	1.7	38
31	Photochemical cycloaddition reactions of cyanoacetylene and dicyanoacetylene. <i>Journal of Organic Chemistry</i> , 1990, 55, 5601-5606.	1.7	37
32	A simple explanation of the enhancement or depletion of the enantiomeric excess in the partial sublimation of enantiomerically enriched amino acids. <i>Chemical Communications</i> , 2010, 46, 1482.	2.2	37
33	Synthesis and Characterization of 2,4-Pentadienenitrile—A Key Compound in Space Science. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7224-7226.	7.2	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. <i>Planetary and Space Science</i> , 1999, 47, 1433-1440.	0.9	35
35	Intramolecular coupling of acetylenic groups of bis(alkynyl)phosphanes and silanes mediated by benzyne-zirconocene: a route to new mono- and tricyclic heterocycles. <i>Tetrahedron</i> , 2004, 60, 1317-1327.	1.0	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. <i>Icarus</i> , 1996, 124, 318-328.	1.1	34

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37	First synthesis and characterization of vinylselenols and vinyltellurols. <i>Chemical Communications</i> , 2000, , 1163-1164.	2.2	34
38	IR Spectrum of C <sub>8</sub> H <sub>2</sub> : Integrated Band Intensities and Some Observational Implications. <i>Journal of Molecular Spectroscopy</i> , 2001, 210, 191-195.	0.4	34
39	Ultraviolet and infrared spectrum of C <sub>6</sub> H <sub>2</sub> revisited and vapor pressure curve in Titan's atmosphere. <i>Planetary and Space Science</i> , 2003, 51, 9-17.	0.9	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. <i>Journal of Organic Chemistry</i> , 1998, 63, 59-68.	1.7	33
41	Vacuum Gas/Solid N-Chlorination: Preparative Scale Synthesis of Volatile N-Chloramines. <i>Synthesis</i> , 1985, 1985, 1131-1133.	1.2	32
42	Lewis base-induced rearrangement of primary ethyn-1-ylphosphines, a new and efficient route to phosphalkynes. <i>Journal of the Chemical Society Chemical Communications</i> , 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. <i>Organometallics</i> , 1999, 18, 5259-5263.	1.1	32
44	Attempts to explain the self-disproportionation observed in the partial sublimation of enantiomerically enriched carboxylic acids. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 545-548.	0.9	32
45	Fourier-transform microwave spectroscopy of a halogen substituted Criegee intermediate ClCHOO. <i>Journal of Chemical Physics</i> , 2016, 145, 184304.	1.2	32
46	Primary Vinyl- and Alkynylstibines: Preparation and Characterization. <i>Inorganic Chemistry</i> , 1995, 34, 1466-1471.	1.9	31
47	Alkenyl Selenols and Selenocyanates: Synthesis, Spectroscopic Characterization by Photoelectron Spectroscopy, and Quantum Chemical Study. <i>Chemistry - A European Journal</i> , 2004, 10, 3649-3656.	1.7	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. <i>Icarus</i> , 2014, 227, 123-131.	1.1	31
49	Allenyl and Alkynyl Selenols and Selenocyanates. Synthesis, Spectroscopic Characterization, and Quantum Chemical Study. <i>Organometallics</i> , 2007, 26, 2507-2518.	1.1	30
50	Primary and Secondary Vinylarsines: Synthesis, Stability and Characterization. <i>Organometallics</i> , 1994, 13, 1525-1527.	1.1	29
51	Synthesis and Characterization of Allylic Dihaloboranes. <i>Organometallics</i> , 1997, 16, 5844-5848.	1.1	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. <i>Chemistry - A European Journal</i> , 2002, 8, 4919-4924.	1.7	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. <i>Angewandte Chemie International Edition in English</i> , 1982, 21, 690-690.	4.4	28
54	Gas-Phase Characterization by Photoelectron Spectroscopy of Unstabilized $\alpha$ -Unsaturated Arsines, Ethylidene- and Ethylidynesines. <i>Organometallics</i> , 1995, 14, 4732-4735.	1.1	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.	1.1	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.	1.7	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.	1.9	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 $\hat{S}^{\sim}H\hat{A}\hat{A}\hat{A}\hat{I}\hat{E}$ Hydrogen Bonding. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9370-9376.	1.1	27
60	The millimeter wave rotational spectrum of 2H-azirine, $NCH_2CH$ . <i>Journal of Molecular Spectroscopy</i> , 1986, 115, 1-14.	0.4	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.	1.1	26
62	The microwave spectrum of the mono deuterated species of methyl formate. <i>Journal of Molecular Spectroscopy</i> , 2009, 254, 55-68.	0.4	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.	1.7	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.	1.1	25
66	Looking for heteroaromatic rings and related isomers as interstellar candidates. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 4165.	1.3	25
67	THE FIRST ASTROPHYSICAL DETECTION, TERAHERTZ SPECTRUM, AND DATABASE FOR THE MONODEUTERATED SPECIES OF METHYL FORMATE $HCOOCH_2D$ . <i>Astrophysical Journal</i> , 2013, 779, 119.	1.6	25
68	Mono-deuterated dimethyl ether: laboratory spectrum up to 1 THz. <i>Astronomy and Astrophysics</i> , 2013, 552, A117.	2.1	25
69	A Convenient Method for the Synthesis of $\hat{1}\pm$ -Functionalized Chlorophosphonic Esters. <i>Synthetic Communications</i> , 1991, 21, 793-798.	1.1	24
70	Submillimeter spectra of 2-hydroxyacetonitrile (glycolonitrile; $HOCH_2CN$ ) and its searches in GBT PRIMOS observations of Sgr B2(N). <i>Astronomy and Astrophysics</i> , 2017, 601, A50.	2.1	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.	1.9	23

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73	Are Unsaturated Isocyanides so Different from the Corresponding Nitriles?. <i>ChemPhysChem</i> , 2012, 13, 226-236.	1.0	23
74	Metastable isomers of acetonitrile: syntheses of vinylideneamine and $\hat{1}$ '1-azirine. <i>Journal of the Chemical Society Chemical Communications</i> , 1983, , 238-239.	2.0	22
75	Regio- and stereoselective allylic fluorination using chiral rhenium complexes. <i>Journal of Fluorine Chemistry</i> , 1999, 93, 171-173.	0.9	22
76	3-Buteneselenol The First Example of a Selenol with an Intramolecular Hydrogen Bond as Studied by Microwave Spectroscopy and Quantum Chemical Calculations. <i>Journal of Physical Chemistry A</i> , 2004, 108, 1403-1408.	1.1	22
77	Infrared Spectra of a Species of Astrochemical Interest: $\hat{A}$ Aminoacrylonitrile (3-Amino-2-propenenitrile). <i>Journal of Physical Chemistry A</i> , 2005, 109, 4705-4712.	1.1	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. <i>Journal of Molecular Spectroscopy</i> , 2006, 238, 234-240.	0.4	22
79	Electronic absorption and phosphorescence of cyanodiacetylene. <i>Journal of Chemical Physics</i> , 2010, 133, 074310.	1.2	22
80	Organic Selenocyanates: Synthesis, Characterization and Uses in Chemistry and Biology. <i>Current Organic Chemistry</i> , 2011, 15, 1670-1687.	0.9	22
81	Acetaldehyde Solid State Reactivity at Low Temperature: Formation of the Acetaldehyde Ammonia Trimer. <i>Journal of Physical Chemistry A</i> , 2012, 116, 2225-2233.	1.1	22
82	Synthese von nicht stabilisierten Phosphaalkinen durch HCl- $\hat{E}$ liminierung in einer Vakuum-Gas-Feststoff-Reaktion. <i>Angewandte Chemie</i> , 1991, 103, 191-193.	1.6	21
83	Photolysis of phosphine in the presence of acetylene and propyne, gas mixtures of planetary interest. <i>Advances in Space Research</i> , 1995, 16, 85-92.	1.2	21
84	Structural and Conformational Properties of 2-Propenylphosphine (Allylphosphine) as Studied by Microwave Spectroscopy Supplemented by Quantum Chemical Calculations. <i>Journal of Physical Chemistry A</i> , 2002, 106, 11481-11487.	1.1	21
85	Spectroscopic and Quantum Chemical Study of Cyclopropylmethylphosphine, a Candidate for Intramolecular Hydrogen Bonding. <i>Journal of Physical Chemistry A</i> , 2005, 109, 7134-7139.	1.1	21
86	A Quantum Chemical Study of the Generation of a Potential Prebiotic Compound, Cyanoacetaldehyde, and Related Sulfur Containing Species. <i>Journal of Physical Chemistry A</i> , 2008, 112, 11009-11016.	1.1	21
87	Can an Amine Be a Stronger Acid than a Carboxylic Acid? The Surprisingly High Acidity of Amine-Borane Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 15699-15705.	1.7	21
88	Straightforward Synthesis of $\hat{E}$ Bromopenta-2,4-dienitrile and Its Reactivity Towards Terminal Alkynes: A Direct Access to Diene and Benzofulvene Scaffolds. <i>Chemistry - A European Journal</i> , 2015, 21, 6042-6047.	1.7	21
89	Laboratory spectroscopy of methoxymethanol in the millimeter-wave range. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 5509-5516.	1.3	21
90	Millimeter-wave spectrum of cyclopropenone, C <sub>3</sub> H <sub>2</sub> O. <i>Journal of Molecular Spectroscopy</i> , 1990, 140, 190-192.	0.4	20

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91	Vinylmercury Hydrides: Synthesis and Spectroscopic Characterization. <i>Inorganic Chemistry</i> , 1996, 35, 6586-6591.	1.9	20
92	Low Temperature Rate Coefficients for the Reaction $CN + HC_3N$ . <i>Journal of Physical Chemistry A</i> , 2013, 117, 12155-12164.	1.1	20
93	Probing the conformational behavior of the doubly substituted methyl-ethyl Criegee intermediate by FTMW spectroscopy. <i>Journal of Chemical Physics</i> , 2017, 146, 174304.	1.2	20
94	Formation of reactive thioaldehydes by vacuum gas-phase dehydrocyanation of thiocyanohydrins; characterization by MS/MS spectrometry. <i>Tetrahedron Letters</i> , 1988, 29, 5899-5900.	0.7	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. <i>Journal of Organic Chemistry</i> , 1989, 54, 5958-5963.	1.7	19
96	Unstabilized 1-phosphaallenes : synthesis and characterization. <i>Tetrahedron Letters</i> , 1994, 35, 245-248.	0.7	19
97	Synthesis and Characterization of Primary and Secondary Allenyl- and Alkynylarsines. <i>Inorganic Chemistry</i> , 1995, 34, 5694-5697.	1.9	19
98	Photoelectron spectra of vinyl- and 1-alkynylgermanes and stannanes. <i>Journal of Organometallic Chemistry</i> , 1998, 570, 175-182.	0.8	19
99	Prebiotic, planetary and interstellar chemistry starting from compounds detected in the interstellar medium. <i>Advances in Space Research</i> , 2004, 33, 81-87.	1.2	19
100	Spectroscopic and Quantum Chemical Study of the Novel Compound Cyclopropylmethylselenol. <i>Journal of Physical Chemistry A</i> , 2006, 110, 2134-2138.	1.1	19
101	Dynamische Gasphasen-/Festphasen-Reaktionen im Vakuum: N-Chlorierung primärer Amine und $\pm$ -Eliminierung der entstehenden Chloramine; Synthese reaktiver (E)- und (Z)-Aldimine. <i>Angewandte Chemie</i> , 2006, 94, 715-715.	1.6	19
102	Infrared band intensities of cyanobutadiyne ( $HC_5N$ ) between 400 and $4000\text{cm}^{-1}$ . <i>Journal of Molecular Spectroscopy</i> , 2007, 245, 109-114.	0.4	19
103	Primary Phosphines Studied by Gas-Phase Electron Diffraction and Quantum Chemical Calculations. Are They Different from Amines?. <i>Inorganic Chemistry</i> , 2009, 48, 8603-8612.	1.9	19
104	$\hat{\nu}^2$ -Heterosubstituted Acrylonitriles Electronic Structure Study by UV-Photoelectron Spectroscopy and Quantum Chemical Calculations. <i>Journal of Physical Chemistry A</i> , 2009, 113, 2387-2396.	1.1	19
105	Rotational spectrum of a chiral amino acid precursor, 2-aminopropionitrile, and searches for it in Sagittarius A2(N). <i>Astronomy and Astrophysics</i> , 2012, 538, A51.	2.1	19
106	Partial Sublimation of Enantioenriched Amino Acids at Low Temperature. Is it Coming From the Formation of a Eutectic Composition of the Gaseous Phase?. <i>Journal of Organic Chemistry</i> , 2013, 78, 10530-10533.	1.7	19
107	The millimeter-wave spectrum of aminoacetonitrile. <i>Journal of Molecular Spectroscopy</i> , 1990, 143, 180-182.	0.4	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. <i>Planetary and Space Science</i> , 1995, 43, 83-89.	0.9	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.	1.1	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.	0.7	18
111	Methylidynearsine (HCi€As): synthesis and direct characterization by UV-photoelectron spectroscopy and mass spectrometry. <i>Chemical Communications</i> , 2008, , 4204.	2.2	18
112	Functionalized Tellurols: Synthesis, Spectroscopic Characterization by Photoelectron Spectroscopy, and Quantum Chemical Study. <i>Inorganic Chemistry</i> , 2008, 47, 1502-1511.	1.9	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.	2.1	18
114	Germane photochemistry. Photolysis of gas mixtures of planetary interest. <i>Planetary and Space Science</i> , 1995, 43, 75-81.	0.9	17
115	Preparation of Soluble Polymeric Supports with a Functional Group for Liquid-Phase Organic Synthesis. <i>Synlett</i> , 2002, 2002, 0316-0318.	1.0	17
116	Gas-Phase Protonation and Deprotonation of Acrylonitrile Derivatives Ni½Ci½CHi½¼CHi½X (X=CH3, NH2,) Tj ETQo0 0 0 rgBT /Overlo	1.7	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.	1.1	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.	1.1	17
119	Attrition-induced spontaneous chiral amplification of the $\hat{I}^3$ polymorphic modification of glycine. <i>CrystEngComm</i> , 2015, 17, 1513-1517.	1.3	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.	1.6	17
121	A convenient synthesis of enolizable N-trialkylsilylimines using vacuum gas-solid reactions. <i>Tetrahedron Letters</i> , 1988, 29, 1287-1288.	0.7	16
122	Primary $\hat{I}^3$ -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.	1.1	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.	1.2	16
125	Vinylstannanes: synthesis and characterization. <i>Journal of Organometallic Chemistry</i> , 1995, 486, 57-62.	0.8	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.	1.1	16



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127	Microwave Spectrum and Intramolecular Hydrogen Bonding of Propargyl Selenol (HC≡CCH <sub>2</sub> SeH). <i>Journal of Physical Chemistry A</i> , 2010, 114, 5537-5543.	1.1	16
128	Formation of fulvene in the reaction of C <sub>2</sub> H with 1,3-butadiene. <i>International Journal of Mass Spectrometry</i> , 2015, 378, 232-245.	0.7	16
129	Conformational analysis of ethyl-substituted Criegee intermediate by FTMW spectroscopy. <i>Journal of Chemical Physics</i> , 2016, 145, 224314.	1.2	16
130	Unsubstituted 1- and 2-phosphabutadienes: preparation and spectroscopic characterization. <i>Inorganic Chemistry</i> , 1993, 32, 5021-5028.	1.9	15
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