Peter Chen

List of Publications by Year in descending order

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184 papers	8,743 citations	31949 53 h-index	56687 83 g-index
210 all docs	210 docs citations	210 times ranked	4894 citing authors

#	Article	IF	Citations
1	Electrospray Ionization Tandem Mass Spectrometry in High-Throughput Screening of Homogeneous Catalysts. Angewandte Chemie - International Edition, 2003, 42, 2832-2847.	7.2	347
2	Flash pyrolysis nozzle for generation of radicals in a supersonic jet expansion. Review of Scientific Instruments, 1992, 63, 4003-4005.	0.6	341
3	Mechanism and Activity of Ruthenium Olefin Metathesis Catalysts:Â The Role of Ligands and Substrates from a Theoretical Perspective. Journal of the American Chemical Society, 2004, 126, 3496-3510.	6.6	272
4	Mechanistic Studies of Olefin Metathesis by Ruthenium Carbene Complexes Using Electrospray Ionization Tandem Mass Spectrometry. Journal of the American Chemical Society, 2000, 122, 8204-8214.	6.6	252
5	New Benchmark Set of Transition-Metal Coordination Reactions for the Assessment of Density Functionals. Journal of Chemical Theory and Computation, 2014, 10, 3092-3103.	2.3	181
6	Olefin Metathesis of a Ruthenium Carbene Complex by Electrospray Ionization in the Gas Phase. Angewandte Chemie - International Edition, 1998, 37, 2685-2689.	7.2	166
7	Chemistry of the 2,5-Didehydropyridine Biradical:Â Computational, Kinetic, and Trapping Studies toward Drug Design. Journal of the American Chemical Society, 1998, 120, 376-385.	6.6	149
8	Ab InitioCalculation of Hydrogen Abstraction Reactions of Phenyl Radical andp-Benzyne. Journal of the American Chemical Society, 1996, 118, 2113-2114.	6.6	139
9	A Stable Tetraazafulvalene. Angewandte Chemie International Edition in English, 1996, 35, 1011-1013.	4.4	137
10	Noyori's Hydrogenation Catalyst Needs a Lewis Acid Cocatalyst for High Activity We thank Mr. Christian Dambouwy, Thales Technologies AG, ZÃ¼rich, Switzerland, for experimental work to compare the effects of various combinations of bases and salts. Additionally, we thank Mr. Holgar Sellner in the group of Prof. D. Seebach for assistance in ee measurements, and Sebastian D. Friess for carefully correcting the German version of this manuscript.. Angewandte Chemie - International Edition, 2001, 40, 3581.	7.2	134
11	Gas-Phase Thermochemistry of Ruthenium Carbene Metathesis Catalysts. Journal of the American Chemical Society, 2008, 130, 4808-4814.	6.6	134
12	Gas-Phase Synthesis and Reactivity of a Gold Carbene Complex. Journal of the American Chemical Society, 2008, 130, 8880-8881.	6.6	130
13	Elektrosprayionisierungs-Tandem-Massenspektrometrie im Hochdurchsatz-Screening homogener Katalysatoren. Angewandte Chemie, 2003, 115, 2938-2954.	1.6	127
14	9,10-Dehydroanthracene:p-Benzyne-Type Biradicals Abstract Hydrogen Unusually Slowly. Journal of the American Chemical Society, 1996, 118, 4896-4903.	6.6	121
15	Ligand Rotation Distinguishes First- and Second-Generation Ruthenium Metathesis Catalysts. Angewandte Chemie - International Edition, 2002, 41, 4484-4487.	7.2	119
16	Rotationally resolved threshold photoelectron spectrum of the methyl radical. Journal of Chemical Physics, 1993, 98, 3557-3559.	1.2	113
17	A Combined Gas-Phase, Solution-Phase, and Computational Study of Câ^'H Activation by Cationic Iridium(III) Complexes. Journal of the American Chemical Society, 1997, 119, 10793-10804.	6.6	113
18	Mass and photoelectron spectroscopy of C3H2. .DELTA.Hf of singlet carbenes deviate from additivity by their singlet-triplet gaps. Journal of the American Chemical Society, 1992, 114, 99-107.	6.6	112

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19	Molecularly Tailored Nickel Precursor and Support Yield a Stable Methane Dry Reforming Catalyst with Superior Metal Utilization. Journal of the American Chemical Society, 2017, 139, 6919-6927.	6.6	111
20	Fishing for Catalysts: Mechanism-Based Probes for Active Species in Solution. Helvetica Chimica Acta, 2000, 83, 2192-2196.	1.0	104
21	Zieglerâ˜Natta-like Olefin Oligomerization by Alkylzirconocene Cations in an Electrospray Ionization Tandem Mass Spectrometer. Journal of the American Chemical Society, 1998, 120, 7125-7126.	6.6	100
22	Flash pyrolytic production of rotationally cold free radicals in a supersonic jet. Resonant multiphoton spectrum of the 3p2A2" .rarw. X2A2" origin band of methyl. The Journal of Physical Chemistry, 1986, 90, 2319-2321.	2.9	97
23	Mechanistically Designed Dual-Site Catalysts for the Alternating ROMP of Norbornene and Cyclooctene. Organometallics, 2007, 26, 3585-3596.	1.1	93
24	Attenuation of London Dispersion in Dichloromethane Solutions. Journal of the American Chemical Society, 2017, 139, 13126-13140.	6.6	93
25	Photoionization mass and photoelectron spectroscopy of radicals, carbenes, and biradicals. Accounts of Chemical Research, 1992, 25, 385-392.	7.6	92
26	Mechanism-Based Design of a ROMP Catalyst for Sequence-Selective Copolymerization. Angewandte Chemie - International Edition, 2005, 44, 7909-7911.	7.2	89
27	Binding of Propylene Oxide to Porphyrinâ˜ and Salenâ˜M(III) Cations, Where M = Al, Ga, Cr, and Co. Inorganic Chemistry, 2005, 44, 2588-2595.	1.9	88
28	Direct Observation of a Dissociative Mechanism for Cï£¿H Activation by a Cationic Iridium(III) Complex. Angewandte Chemie International Edition in English, 1997, 36, 243-244.	4.4	86
29	Rapid Screening of Olefin Polymerization Catalyst Libraries by Electrospray Ionization Tandem Mass Spectrometry. Angewandte Chemie - International Edition, 1999, 38, 2253-2256.	7.2	82
30	Catalyst Screening by Electrospray Ionization Tandem Mass Spectrometry: Hofmann Carbenes for Olefin Metathesis. Chemistry - A European Journal, 2001, 7, 4621-4632.	1.7	82
31	Simple Fitting of Energy-Resolved Reactive Cross Sections in Threshold Collision-Induced Dissociation (T-CID) Experiments. Journal of Physical Chemistry A, 2007, 111, 7006-7013.	1.1	81
32	Photoelectron spectrum of the propargyl radical in a supersonic beam. The Journal of Physical Chemistry, 1990, 94, 8399-8401.	2.9	79
33	Interaction of Organoplatinum(II) Complexes with Monovalent Coinage Metal Triflates. Journal of the American Chemical Society, 2009, 131, 5675-5690.	6.6	77
34	Building Stereoselectivity into a Chemoselective Ringâ€Opening Metathesis Polymerization Catalyst for Alternating Copolymerization. Angewandte Chemie - International Edition, 2010, 49, 3762-3766.	7.2	73
35	ComparingGrubbs-,Werner-, andHofmann-Type (Carbene)ruthenium Complexes: The Key Role of Pre-Equilibria for Olefin Metathesis. Helvetica Chimica Acta, 2000, 83, 3306-3311.	1.0	72
36	Potential Energy Surface for (Retro-)Cyclopropanation: Metathesis with a Cationic Gold Complex. Journal of the American Chemical Society, 2011, 133, 12162-12171.	6.6	72

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37	Photoelectron spectrum, ionization potential, and heat of formation of dichlorocarbene. The Journal of Physical Chemistry, 1993, 97, 4936-4940.	2.9	70
38	Photodissociation dynamics of the allyl radical. Journal of Chemical Physics, 1999, 110, 1450-1462.	1.2	70
39	Ein stabiles Tetraazafulvalen. Angewandte Chemie, 1996, 108, 1098-1100.	1.6	67
40	Gas-Phase Reactions of the [(PHOX)IrL2]+ Ion Olefin-Hydrogenation Catalyst Support an IrI/IrIII Cycle. Angewandte Chemie - International Edition, 2004, 43, 5513-5516.	7.2	67
41	Photodissociation dynamics of the propargyl radical. Journal of Chemical Physics, 1999, 111, 3441-3448.	1.2	66
42	Photoelectron spectrum of o-benzyne. Ionization potentials as a measure of singlet-triplet gaps. Journal of the American Chemical Society, 1992, 114, 3147-3148.	6.6	64
43	Chemistry of benzene-anthracene cyclodimers. Journal of the American Chemical Society, 1984, 106, 7310-7315.	6.6	63
44	Structure and Bonding of Isoleptic Coinage Metal (Cu, Ag, Au) Dimethylaminonitrenes in the Gas Phase. Journal of the American Chemical Society, 2010, 132, 13789-13798.	6.6	62
45	Allyl-A Model System for the Chemical Dynamics of Radicals. Journal of Physical Chemistry A, 2002, 106, 4291-4300.	1.1	61
46	Transmetalation Supported by a Pt^{II}ï£¿Cu^I Bond. Angewandte Chemie - International Edition, 2010, 49, 2873-2877.	7.2	60
47	Tuning the Steric Properties of a Metathesis Catalyst for Copolymerization of Norbornene and Cyclooctene toward Complete Alternation. Organometallics, 2010, 29, 2735-2751.	1.1	60
48	Electronic Effects in the Reactions of Olefin-Coordinated Gold Carbene Complexes. Organometallics, 2009, 28, 1278-1281.	1.1	59
49	The zero kinetic energy photoelectron spectrum of the propargyl radical, C3H3. Journal of Chemical Physics, 2000, 112, 2575-2578.	1.2	58
50	Structure and Gas-Phase Thermochemistry of a Pd/Cu Complex: Studies on a Model for Transmetalation Transition States. Journal of the American Chemical Society, 2017, 139, 1069-1072.	6.6	56
51	Comparative Gas-Phase and Solution-Phase Investigations of the Mechanism of Câ”H Activation by [(Nâ”N)Pt(CH3)(L)]+. Organometallics, 2003, 22, 2217-2225.	1.1	55
52	Microcanonical rates for the unimolecular dissociation of the ethyl radical. Journal of Chemical Physics, 1999, 110, 5485-5488.	1.2	54
53	Comparing Intrinsic Reactivities of the First- and Second-Generation Ruthenium Metathesis Catalysts in the Gas Phase. Helvetica Chimica Acta, 2003, 86, 941-949.	1.0	54
54	Transmetalation of Methyl Groups Supported by Pt^{II}â€“Au^I Bonds in the Gas Phase, in Silico, and in Solution. Journal of the American Chemical Society, 2011, 133, 8914-8926.	6.6	54

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55	The 1 + 1 resonant multiphoton ionization spectrum of the allyl radical. Rotational structure in the ~C[22B1] .fwdarw. ~X[12A2] origin band. The Journal of Physical Chemistry, 1992, 96, 2025-2027.	2.9	53
56	Metallaoxetanes and Carbenes from Diolates in High-Valent Rhenium Oxo Chemistry: The Importance of the Coordination Number. Angewandte Chemie - International Edition, 2003, 42, 3798-3801.	7.2	52
57	Gasâ€Phase Energetics of Reductive Elimination from a Palladium(II) Nâ€Heterocyclic Carbene Complex. Chemistry - A European Journal, 2010, 16, 5408-5415.	1.7	52
58	Gold carbenes via 1,2-dialkoxycyclopropane ring-opening: a mass spectrometric and DFT study of the reaction pathways. Chemical Communications, 2010, 46, 3899.	2.2	51
59	Coâ€“C Bond Energies in Adenosylcobinamide and Methylcobinamide in the Gas Phase and in Silico. Journal of the American Chemical Society, 2013, 135, 13648-13651.	6.6	50
60	Vibrational structure in the photoelectron spectrum of cyclobutadiene as a probe of structure. Journal of the American Chemical Society, 1993, 115, 2844-2848.	6.6	48
61	Coinage-Metal Mediated Ring Opening of cis-1,2-Dimethoxycyclopropane: Trends from the Gold, Copper, and Silver Fischer Carbene Bond Strength. Journal of the American Chemical Society, 2014, 136, 9296-9307.	6.6	48
62	[ReO3(bipy)]+[X]-Catalyzed Aldehyde Olefination: Carbene and Phosphorane Intermediates. Chemistry - A European Journal, 2003, 9, 1852-1859.	1.7	47
63	Resonant multiphoton ionization spectrum and electronic structure of CH radical. New states and assignments above 50â€‰000 cmâ^'1. Journal of Chemical Physics, 1987, 86, 516-520.	1.2	46
64	Electronic spectrum of allyl and allyl-d5 radicals: the B[12A1] .rarw. X[12A2], C[22B1] .rarw. X[12A2], and D[12B2] .rarw. X[12A2] band systems. The Journal of Physical Chemistry, 1992, 96, 10150-10154.	2.9	46
65	Origin of the Immiscibility of Alkanes and Perfluoroalkanes. Journal of the American Chemical Society, 2019, 141, 3489-3506.	6.6	45
66	Cationic Platinum(II) Carboxylato Complexes Are Competent in Catalytic Arene Câ^'H Activation under Mild Conditions. Organometallics, 2004, 23, 3031-3036.	1.1	44
67	Photoelectron spectrum of the vinyl radical: downward revision of the C2H3-ionization potential. The Journal of Physical Chemistry, 1992, 96, 4138-4140.	2.9	42
68	Mass spectrometric assay of polymerization catalysts for combinational screening. International Journal of Mass Spectrometry, 2000, 195-196, 377-383.	0.7	42
69	Electrospray Ionization Tandem Mass Spectrometric Determination of Ligand Binding Energies in Platinum(II) Complexes. Organometallics, 2005, 24, 1907-1913.	1.1	42
70	Rational Design of a Gold Carbene Precursor Complex for a Catalytic Cyclopropanation Reaction. Angewandte Chemie - International Edition, 2013, 52, 4686-4689.	7.2	41
71	Quantitative Description of Structural Effects on the Stability of Gold(I) Carbenes. Chemistry - A European Journal, 2014, 20, 14270-14281.	1.7	41
72	A Universal Quantitative Descriptor of the Dispersion Interaction Potential. Angewandte Chemie - International Edition, 2019, 58, 9758-9769.	7.2	41

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73	Kinetics and dynamics in the photodissociation of the allyl radical. Journal of Chemical Physics, 1997, 107, 3329-3332.	1.2	40
74	Cationic Palladium Bis-carbene Carboxylate Complexes. Organometallics, 2006, 25, 5863-5869.	1.1	40
75	Design of Diradical-based Hydrogen Abstraction Agents. Angewandte Chemie International Edition in English, 1996, 35, 1478-1480.	4.4	38
76	Narrowly Distributed Polyethylene via Reversible Chain Transfer to Aluminum by a Sterically Hindered Zirconocene/MAO. Organometallics, 2010, 29, 294-302.	1.1	38
77	Nickelâ€Catalyzed Cyclopropanation with NMe₄OTf and nBuLi. Angewandte Chemie - International Edition, 2015, 54, 10670-10674.	7.2	36
78	Chain transfer to aluminium in MAO-activated metallocene-catalyzed polymerization reactions. Chemical Communications, 2006, , 4309.	2.2	35
79	Unprecedented ROMP Activity of Low-Valent Rheniumâ€“Nitrosyl Complexes: Mechanistic Evaluation of an Electrophilic Olefin Metathesis System. Chemistry - A European Journal, 2006, 12, 3325-3338.	1.7	35
80	Mechanistic Insights from the Gas-Phase Reactivity of Phosphorus-Ylid-Supported Benzylidene Gold Complexes. Organometallics, 2010, 29, 2994-3000.	1.1	35
81	Measuring rate constants for active species in the polymerization of ethylene by MAO-activated metallocene catalysts by electrospray ionization mass spectrometry. Chemical Communications, 2005, , 5757.	2.2	34
82	Chemistry of exciplexes. 12. Chemistry of heterodimers of benzene and anthracene. Journal of the American Chemical Society, 1982, 104, 853-855.	6.6	33
83	The 1 + 1 and 2 + 2 resonant multiphoton ionization of allyl and allyl-dn (C3H5, C3H4D, C3HD4, and) Tj ETQq1 1 0.784314 rgBT /Ove	2.9	33
84	Nonstatistical effects in the dissociation of ethyl radical: Finding order in chaos. Journal of Chemical Physics, 2006, 125, 024304.	1.2	33
85	Ligand Binding Energies in Cationic Platinum(II) Complexes:â€‰ A Quantitative Study in the Gas Phase. Organometallics, 2007, 26, 1523-1530.	1.1	32
86	Gas-Phase Investigations on the Transmetalation Step in Sonogashira Reactions. Organometallics, 2015, 34, 3888-3892.	1.1	32
87	Direkter Beleg fÃ¼r einen dissoziativen Mechanismus bei der Câ€Hâ€Aktivierung durch einen kationischen Iridium(<scp>III</scp>)â€Komplex. Angewandte Chemie, 1997, 109, 272-274.	1.6	31
88	Zero kinetic energy photoelectron spectra of the allyl radical, C3H5. Journal of Chemical Physics, 2000, 113, 561-566.	1.2	31
89	Numerical Modeling of Differential Kinetics in the Asymmetric Hydrogenation of Acetophenone by Noyori's Catalyst. Advanced Synthesis and Catalysis, 2003, 345, 1353-1359.	2.1	30
90	Quasiperiodic trajectories in the unimolecular dissociation of ethyl radicals by time-frequency analysis. Journal of Chemical Physics, 2005, 123, 021101.	1.2	30

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91	Single-photon and resonance-enhanced multiphoton threshold ionization of the allyl radical. Journal of Chemical Physics, 2009, 131, 014304.	1.2	30
92	Rapid Synthesis ofÎ±,Î²-Didehydroaspartic-Acid Derivatives Carrying aÎ²-Substituent. Helvetica Chimica Acta, 1998, 81, 2341-2347.	1.0	28
93	Mass Spectrometric Study of the Conversion of Rhenium Diolates to Metallaoxetanes and Carbenes. Coordination Number, Polar, and Steric Effects. Organometallics, 2004, 23, 3437-3447.	1.1	28
94	Adiabatic and nonadiabatic dissociation of ethyl radical. Journal of Chemical Physics, 2009, 130, 034303.	1.2	28
95	The photoelectron spectrum of the .alpha.,3-dehydrotoluene biradical. Journal of the American Chemical Society, 1994, 116, 2137-2138.	6.6	27
96	A Palladium-Catalyzed Methylenation of Olefins Using Halomethylboronate Reagents. Organic Letters, 2014, 16, 1100-1103.	2.4	27
97	A Heterobimetallic Pdâ€“Zn Complex: Study of a d⁸â€“d¹⁰ Bond in Solid State, in Solution, and in Silico. Organometallics, 2017, 36, 1465-1468.	1.1	27
98	Energy-Resolved Collision-Induced Dissociation Cross Sections of 2:1 Bis-oxazoline Copper Complexes. Nonbonded Interactions and Nonlinear Effects. Journal of the American Chemical Society, 2007, 129, 2476-2481.	6.6	26
99	Fourier Transform Ion Mobility Measurement of Chain Branching in Mass-Selected, Chemically Trapped Oligomers from Methylalumoxane-Activated, Metallocene-Catalyzed Polymerization of Ethylene. Journal of the American Chemical Society, 2007, 129, 2796-2802.	6.6	26
100	Trends in Metallophilic Bonding in Pdâ€“Zn and Pdâ€“Cu Complexes. Organometallics, 2017, 36, 4854-4863.	1.1	26
101	Photoelectron spectroscopy of the excited states of the CH radical. Journal of Chemical Physics, 1986, 84, 5208-5209.	1.2	25
102	An ab Initio and Photoelectron Spectroscopic Study of the Trichloromethyl Radical and Cation. The Journal of Physical Chemistry, 1994, 98, 6919-6923.	2.9	25
103	Experimental and Theoretical Study of a Gold(I) Aminonitrene Complex in the Gas Phase. ChemPhysChem, 2010, 11, 1002-1005.	1.0	25
104	Reactive Intermediates: A Transient Electrophilic Phosphinidene Caught in the Act. Chemistry - A European Journal, 2010, 16, 1454-1458.	1.7	25
105	Designing Sequence Selectivity into a Ring-Opening Metathesis Polymerization Catalyst. Accounts of Chemical Research, 2016, 49, 1052-1060.	7.6	25
106	Die Rotation des Liganden unterscheidet die Ruthenium-Metathesekatalysatoren der ersten und zweiten Generation. Angewandte Chemie, 2002, 114, 4668-4671.	1.6	24
107	Spectroscopy and dynamics of A [2B1] allyl radical. Physical Chemistry Chemical Physics, 2006, 8, 2591.	1.3	24
108	Mononuclear Organometallic Platinum(II) Complexes and Platinum(II)â^'Copper(I) Mixed Complexes from Symmetrical 3,5-Bis(iminoacetyl)pyrazolate Ligands. Organometallics, 2008, 27, 4903-4916.	1.1	24

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109	Non-innocent Character of Oxyanions in Ruthenium Metathesis Catalysts. Organometallics, 2011, 30, 3971-3980.	1.1	24
110	Compensation of London Dispersion in the Gas Phase and in Aprotic Solvents. Angewandte Chemie - International Edition, 2019, 58, 14281-14288.	7.2	24
111	Multiphoton spectroscopy and analysis of the E2Î â†•X2Î, band of CH. Chemical Physics Letters, 1985, 121, 405-407.	1.2	23
112	Gas-Phase and Solution-Phase Polymerization of Epoxides by Cr(salen) Complexes:Â Evidence for a Dinuclear Cationic Mechanism. Inorganic Chemistry, 2004, 43, 7278-7280.	1.9	23
113	MaÃŸgeschneiderte Diradikale als wasserstoffabstrahierende Reagentien. Angewandte Chemie, 1996, 108, 1584-1586.	1.6	22
114	Threshold CID Investigation of Isomeric Cu(I) Azabox Complexes. Inorganic Chemistry, 2007, 46, 11366-11370.	1.9	22
115	Homogeneous Model Complexes for Supported Rhenia Metathesis Catalysts. Organometallics, 2012, 31, 7558-7565.	1.1	22
116	High power laser photochemistry. Production of neutral atomic and small molecular fragments by UV multiphoton dissociation. Journal of Chemical Physics, 1986, 84, 527-528.	1.2	21
117	Photoelectron spectrum of cyclopropenylidene and weak bonds in cyclopropenyl radical. Journal of the American Chemical Society, 1991, 113, 1445-1446.	6.6	21
118	Computational Study of Low-Coordinate Rhenium Diolates, Metallaoxetanes, Oxo Complexes, and Carbenes. Organometallics, 2005, 24, 10-12.	1.1	21
119	Structure, Dynamics, and Polymerization Activity of Zirconocenium Ion Pairs Generated with Boron-C6F5Compounds and Al2R6. Organometallics, 2011, 30, 3834-3843.	1.1	21
120	Experimental Gas-Phase Thermochemistry for Alkane Reductive Elimination from Pt(IV). Organometallics, 2014, 33, 2889-2897.	1.1	20
121	Reactions of electrosprayed rhodium phosphine complexes in the gas phase: modeling homogeneous catalytic hydrogenation. International Journal of Mass Spectrometry, 1999, 185-187, 871-881.	0.7	19
122	Density Functional Study of the Oxy-Cope Rearrangement. Helvetica Chimica Acta, 2001, 84, 124-140.	1.0	19
123	Vibronic Structure of the 3s and 3p Rydberg States of the Allyl Radical. Journal of Physical Chemistry A, 2010, 114, 4704-4711.	1.1	19
124	Intuitive Quantifiers of Charge Flows in Coordinate Bonding. Organometallics, 2017, 36, 3205-3214.	1.1	19
125	Ligand binding energy in [(bipy)Rh(Pĩ†CH)]+ by collision-induced dissociation threshold measurements. International Journal of Mass Spectrometry, 2000, 202, 1-7.	0.7	18
126	Experimental Gas-Phase and in Silico Investigation of Î²-Methyl Elimination from Cationic Palladium Alkyl Species. Organometallics, 2015, 34, 1301-1306.	1.1	18

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127	A high-intensity molecular beam of vinyl and ethynyl radicals. Journal of the American Chemical Society, 1989, 111, 8951-8953.	6.6	17
128	Defect-Induced Acceleration of a Solid-State Chemical Reaction in Zinc Alkoxide Single Crystals. Inorganic Chemistry, 2004, 43, 3164-3169.	1.9	17
129	Cyclopropanation of styrenes and stilbenes using lithiomethyl trimethylammonium triflate as methylene donor. Chemical Communications, 2014, 50, 10608-10610.	2.2	17
130	The Carbonâ€“Nitrogen Bonds in Ammonium Compounds Are Charge Shift Bonds. Chemistry - A European Journal, 2017, 23, 4659-4668.	1.7	17
131	Geometry of cyclopropenylidene radical cation(1+): Franck-Condon factors in photoionization are a sensitive probe of polyatomic ion structure. The Journal of Physical Chemistry, 1992, 96, 5676-5678.	2.9	15
132	Linear Free Energy Relationship in Ion Thermochemistry. Journal of Physical Chemistry A, 1997, 101, 9728-9731.	1.1	15
133	Experimental and Computational Study of the [2 + 2] Dissociation of Rhenaoxetanes in the Gas Phase. Organometallics, 2005, 24, 3040-3042.	1.1	15
134	Response to:Â â€œCâ^'H Activation by Platinum(II):Â What Do Gas-Phase Studies Tell Us about the Solution-Phase Mechanism?â€• Organometallics, 2006, 25, 809-811.	1.1	15
135	A Mild, Thermal Pentafulveneâ€toâ€Benzene Rearrangement. Angewandte Chemie - International Edition, 2013, 52, 9827-9830.	7.2	15
136	A lithiomethyl trimethylammonium reagent as a methylene donor. Chemical Communications, 2014, 50, 10604-10607.	2.2	15
137	Elementary Reactions at Organocopper(III): A Gas-Phase and Theoretical Study. Organometallics, 2015, 34, 1294-1300.	1.1	15
138	Facile Preparation and Activation of High-Productivity Single-Site Nickel Catalysts for Highly Linear Polyethylene. Helvetica Chimica Acta, 2002, 85, 4337-4352.	1.0	14
139	Mononuclear Platinum(II) Complexes Incorporating Î²²-Carboxylate Ligands: Synthesis, Structure, and Reactivity. Inorganic Chemistry, 2009, 48, 6972-6978.	1.9	13
140	Increasing Complexity in a Conformer Space Step-by-Step: Weighing London Dispersion against Cationâ^'Î€ Interactions. Journal of the American Chemical Society, 2022, 144, 9007-9022.	6.6	13
141	Rydberg photochemistry of methyl radicals. Chemical Physics Letters, 1988, 147, 466-470.	1.2	11
142	A 4 K FT-ICR cell for infrared ion spectroscopy. Review of Scientific Instruments, 2018, 89, 063119.	0.6	11
143	Bond Dissociation Energies in the Gas Phase for Large Molecular Ions by Threshold Collision-Induced Dissociation Experiments: Stretching the Limits. Journal of Physical Chemistry A, 2020, 124, 8692-8707.	1.1	11
144	Photodissociation dynamics of the 2-methylallyl radical. Physical Chemistry Chemical Physics, 2008, 10, 1133-1138.	1.3	10

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145	Unexpected Kinetics in the Polymerization of Ethene by Cp$m{ {_{2}^{{ast}}}}$ZrCl2/MAO. Helvetica Chimica Acta, 2009, 92, 890-896.	1.0	10
146	Cryogenic ion vibrational predissociation (CIVP) spectroscopy of a gas-phase molecular torsion balance to probe London dispersion forces in large molecules. Journal of Chemical Physics, 2019, 151, 234304.	1.2	10
147	Synthesis, Spectroscopic, and Structural Characterization of Organyl Disulfanides and a Tetrasulfanide. Inorganic Chemistry, 2020, 59, 12322-12336.	1.9	10
148	Mononuclear Platinum(II) Complexes of a Bis(bidentate) Ligand Based on 1,3,4â€Oxadiazole and Their Reactions with Copper(I) Salts. European Journal of Inorganic Chemistry, 2010, 2010, 438-446.	1.0	9
149	Probing Centrifugal Barriers in Unimolecular Dissociation of the Allyl Radical. Journal of Physical Chemistry A, 2005, 109, 962-964.	1.1	8
150	Mechanism-Based Design and Optimization of a Catalytic Electrophilic Cyclopropanation without Diazomethane. Organometallics, 2017, 36, 180-191.	1.1	8
151	Mechanistic Studies on the Nickel-Catalyzed Cyclopropanation with Lithiomethyltrimethylammonium Triflate. Organometallics, 2019, 38, 1928-1938.	1.1	8
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