Peter Chen

List of Publications by Year in Descending Order

190 papers	7,674 citations	52 h-index	78 g-index
210 ext. papers	8,095 ext. citations	7 avg, IF	6.26 L-index

#	Paper	IF	Citations
190	Development of the Diverted Heck Reaction for the Synthesis of Five-Membered Rings. *Organometallics*, **2021**, 40, 776-782	3.8	2
189	Surprising Homolytic Gas Phase Co-C Bond Dissociation Energies of Organometallic Aryl-Cobinamides Reveal Notable Non-Bonded Intramolecular Interactions. *Chemistry - A European Journal*, **2021**, 27, 7252-7264	4.8	3
188	Chemie versus Chemie. *Chimia*, **2021**, 75, 564-566	1.3	
187	Crystal structure of a 1,1-dibutyl-1,3-naphtho[1,8-][1,2,6]oxastannaborinin-3-ol. *Acta Crystallographica Section E: Crystallographic Communications*, **2021**, 77, 180-183	0.7	0
186	Modeling Gas-Phase Unimolecular Dissociation for Bond Dissociation Energies: Comparison of Statistical Rate Models within RRKM Theory. *Journal of Physical Chemistry A*, **2021**, 125, 1927-1940	2.8	1
185	Application of continuous wave quantum cascade laser in combination with CIVP spectroscopy for investigation of large organic and organometallic ions. *Review of Scientific Instruments*, **2021**, 92, 083002	1.7	0
184	Structure of a push-pull olefin prepared by ynamine hydro-boration with a borandiol ester. *Acta Crystallographica Section E: Crystallographic Communications*, **2020**, 76, 710-714	0.7	
183	Perturbation of Pyridinium CIVP Spectra by N and H Tags: An Experimental and BOMD Study. *Journal of Physical Chemistry A*, **2020**, 124, 8519-8528	2.8	2
182	Synthesis, Spectroscopic, and Structural Characterization of Organyl Disulfanides and a Tetrasulfanide. *Inorganic Chemistry*, **2020**, 59, 12322-12336	5.1	3
181	Synthesis, Isolation, and Characterization of a Phenylsulfane-Selenolate Compound. *Inorganic Chemistry*, **2020**, 59, 13315-13319	5.1	1
180	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	2.8	5
179	Origin of the Immiscibility of Alkanes and Perfluoroalkanes. *Journal of the American Chemical Society*, **2019**, 141, 3489-3506	16.4	22
178	A Universal Quantitative Descriptor of the Dispersion Interaction Potential. *Angewandte Chemie - International Edition*, **2019**, 58, 9758-9769	16.4	23
177	Mechanistic Studies on the Nickel-Catalyzed Cyclopropanation with Lithiomethyltrimethylammonium Triflate. *Organometallics*, **2019**, 38, 1928-1938	3.8	5
176	Compensation of London Dispersion in the Gas Phase and in Aprotic Solvents. *Angewandte Chemie - International Edition*, **2019**, 58, 14281-14288	16.4	10
175	Compensation of London Dispersion in the Gas Phase and in Aprotic Solvents. *Angewandte Chemie*, **2019**, 131, 14419-14426	3.6	2
174	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	3.9	4

173	A Universal Quantitative Descriptor of the Dispersion Interaction Potential. *Angewandte Chemie*, **2019**, 131, 9860-9871	3.6	5
172	Ab initio studies on the photodissociation dynamics of the 1,1-difluoroethyl radical. *Journal of Chemical Physics*, **2018**, 148, 084306	3.9	1
171	Alkyl Radical Generation by an Intramolecular Homolytic Substitution Reaction between Iron(II) and Trialkylsulfonium Groups. *Chemistry - A European Journal*, **2018**, 24, 10880-10880	4.8	
170	The International Symposium on Reactive Intermediates and Unusual Molecules (ISRIUM). *Chimia*, **2018**, 72, 666	1.3	
169	Alkyl Radical Generation by an Intramolecular Homolytic Substitution Reaction between Iron(II) and Trialkylsulfonium Groups. *Chemistry - A European Journal*, **2018**, 24, 11008-11020	4.8	6
168	A 4 K FT-ICR cell for infrared ion spectroscopy. *Review of Scientific Instruments*, **2018**, 89, 063119	1.7	8
167	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	16.4	40
166	The Carbon-Nitrogen Bonds in Ammonium Compounds Are Charge Shift Bonds. *Chemistry - A European Journal*, **2017**, 23, 4659-4668	4.8	12
165	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	16.4	81
164	A Heterobimetallic Pd□n Complex: Study of a d8□10 Bond in Solid State, in Solution, and in Silico. *Organometallics*, **2017**, 36, 1465-1468	3.8	19
163	Attenuation of London Dispersion in Dichloromethane Solutions. *Journal of the American Chemical Society*, **2017**, 139, 13126-13140	16.4	65
162	Trends in Metallophilic Bonding in Pd□n and Pd□u Complexes. *Organometallics*, **2017**, 36, 4854-4863	3.8	16
161	Mechanism-Based Design and Optimization of a Catalytic Electrophilic Cyclopropanation without Diazomethane. *Organometallics*, **2017**, 36, 180-191	3.8	7
160	Response to "Covalent Bonding and Charge Shift Bonds: Comment on 'The Carbon-Nitrogen Bonds in Ammonium Compounds Are Charge Shift Bonds'". *Chemistry - A European Journal*, **2017**, 23, 18325-18329	4.8	4
159	Intuitive Quantifiers of Charge Flows in Coordinate Bonding. *Organometallics*, **2017**, 36, 3205-3214	3.8	16
158	Designing Sequence Selectivity into a Ring-Opening Metathesis Polymerization Catalyst. *Accounts of Chemical Research*, **2016**, 49, 1052-60	24.3	22
157	A Case for Mechanisms. *Israel Journal of Chemistry*, **2016**, 56, 53-61	3.4	4
156	Gas-Phase Investigations on the Transmetalation Step in Sonogashira Reactions. *Organometallics*, **2015**, 34, 3888-3892	3.8	26

155	Experimental Gas-Phase and in Silico Investigation of Methyl Elimination from Cationic Palladium Alkyl Species. *Organometallics*, **2015**, 34, 1301-1306	3.8	17
154	Elementary Reactions at Organocopper(III): A Gas-Phase and Theoretical Study. *Organometallics*, **2015**, 34, 1294-1300	3.8	14
153	Nickel-katalysierte Cyclopropanierung mit NMe4OTf und nBuLi. *Angewandte Chemie*, **2015**, 127, 10817-10821	3.8	12
152	Nickel-Catalyzed Cyclopropanation with NMe4OTf and nBuLi. *Angewandte Chemie - International Edition*, **2015**, 54, 10670-4	16.4	26
151	A palladium-catalyzed methylenation of olefins using halomethylboronate reagents. *Organic Letters*, **2014**, 16, 1100-3	6.2	21
150	Cyclopropanation of styrenes and stilbenes using lithiomethyl trimethylammonium triflate as methylene donor. *Chemical Communications*, **2014**, 50, 10608-10	5.8	13
149	A lithiomethyl trimethylammonium reagent as a methylene donor. *Chemical Communications*, **2014**, 50, 10604-7	5.8	9
148	Experimental Gas-Phase Thermochemistry for Alkane Reductive Elimination from Pt(IV). *Organometallics*, **2014**, 33, 2889-2897	3.8	20
147	New Benchmark Set of Transition-Metal Coordination Reactions for the Assessment of Density Functionals. *Journal of Chemical Theory and Computation*, **2014**, 10, 3092-103	6.4	142
146	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, 9296-307	16.4	44
145	Quantitative Description of Structural Effects on the Stability of Gold(I) Carbenes. *Chemistry - A European Journal*, **2014**, 20, 14145-14145	4.8	
144	Quantitative description of structural effects on the stability of gold(I) carbenes. *Chemistry - A European Journal*, **2014**, 20, 14270-81	4.8	41
143	A mild, thermal pentafulvene-to-benzene rearrangement. *Angewandte Chemie - International Edition*, **2013**, 52, 9827-30	16.4	12
142	Co-C bond energies in adenosylcobinamide and methylcobinamide in the gas phase and in silico. *Journal of the American Chemical Society*, **2013**, 135, 13648-51	16.4	40
141	Rationelle Entwicklung eines Goldcarben-Vorstufenkomplexes für eine katalytische Cyclopropanierung. *Angewandte Chemie*, **2013**, 125, 4784-4787	3.6	18
140	Rational design of a gold carbene precursor complex for a catalytic cyclopropanation reaction. *Angewandte Chemie - International Edition*, **2013**, 52, 4686-9	16.4	40
139	Eine milde thermische Pentafulven-Benzol-Umlagerung. *Angewandte Chemie*, **2013**, 125, 10010-10013	3.6	3
138	Homogeneous Model Complexes for Supported Rhenia Metathesis Catalysts. *Organometallics*, **2012**, 31, 7558-7565	3.8	20

137	Chemo- and stereoselective ROMP. *Chimia*, **2011**, 65, 106	1.3	2
136	Non-innocent Character of Oxyanions in Ruthenium Metathesis Catalysts. *Organometallics*, **2011**, 30, 3971-3980	3.8	24
135	Transmetalation of methyl groups supported by Pt(II)-Au(I) bonds in the gas phase, in silico, and in solution. *Journal of the American Chemical Society*, **2011**, 133, 8914-26	16.4	51
134	Potential energy surface for (retro-)cyclopropanation: metathesis with a cationic gold complex. *Journal of the American Chemical Society*, **2011**, 133, 12162-71	16.4	72
133	Structure, Dynamics, and Polymerization Activity of Zirconocenium Ion Pairs Generated with Boron-C6F5Compounds and Al2R6. *Organometallics*, **2011**, 30, 3834-3843	3.8	17
132	Tuning the Steric Properties of a Metathesis Catalyst for Copolymerization of Norbornene and Cyclooctene toward Complete Alternation. *Organometallics*, **2010**, 29, 2735-2751	3.8	56
131	Vibronic structure of the 3s and 3p Rydberg states of the allyl radical. *Journal of Physical Chemistry A*, **2010**, 114, 4704-11	2.8	16
130	Structure and bonding of isoleptic coinage metal (Cu, Ag, Au) dimethylaminonitrenes in the gas phase. *Journal of the American Chemical Society*, **2010**, 132, 13789-98	16.4	56
129	Narrowly Distributed Polyethylene via Reversible Chain Transfer to Aluminum by a Sterically Hindered Zirconocene/MAO. *Organometallics*, **2010**, 29, 294-302	3.8	37
128	Mechanistic Insights from the Gas-Phase Reactivity of Phosphorus-Ylid-Supported Benzylidene Gold Complexes. *Organometallics*, **2010**, 29, 2994-3000	3.8	33
127	Gold carbenes via 1,2-dialkoxycyclopropane ring-opening: a mass spectrometric and DFT study of the reaction pathways. *Chemical Communications*, **2010**, 46, 3899-901	5.8	48
126	Experimental and theoretical study of a gold(I) aminonitrene complex in the gas phase. *ChemPhysChem*, **2010**, 11, 1002-5	3.2	24
125	Controlled Ethylene Polymerization Catalyzed by Cp$rm{{_{2}^{ast}}}$ZrBu2/[Ph3C] [B(C6F5)4]/iBu4Al2O above Room Temperature. *Helvetica Chimica Acta*, **2010**, 93, 212-219	2	4
124	Mononuclear Platinum(II) Complexes of a Bis(bidentate) Ligand Based on 1,3,4-Oxadiazole and Their Reactions with Copper(I) Salts. *European Journal of Inorganic Chemistry*, **2010**, 2010, 438-446	2.3	9
123	Reactive intermediates: a transient electrophilic phosphinidene caught in the act. *Chemistry - A European Journal*, **2010**, 16, 1454-8	4.8	21
122	Gas-phase energetics of reductive elimination from a palladium(II) N-heterocyclic carbene complex. *Chemistry - A European Journal*, **2010**, 16, 5408-15	4.8	52
121	Transmetalation Supported by a PtII?CuI Bond. *Angewandte Chemie*, **2010**, 122, 2935-2939	3.6	17
120	Building Stereoselectivity into a Chemoselective Ring-Opening Metathesis Polymerization Catalyst for Alternating Copolymerization. *Angewandte Chemie*, **2010**, 122, 3850-3854	3.6	11

119	Transmetalation supported by a Pt(II)-Cu(I) bond. *Angewandte Chemie - International Edition*, **2010**, 49, 2873-7	16.4	51
118	Building stereoselectivity into a chemoselective ring-opening metathesis polymerization catalyst for alternating copolymerization. *Angewandte Chemie - International Edition*, **2010**, 49, 3762-6	16.4	67
117	Single-photon and resonance-enhanced multiphoton threshold ionization of the allyl radical. *Journal of Chemical Physics*, **2009**, 131, 014304	3.9	28
116	Adiabatic and nonadiabatic dissociation of ethyl radical. *Journal of Chemical Physics*, **2009**, 130, 034303	3.9	25
115	Unexpected Kinetics in the Polymerization of Ethene by Cp$rm{ {_{2}^{{ast}}}}$ZrCl2/MAO. *Helvetica Chimica Acta*, **2009**, 92, 890-896	2	9
114	Electronic Effects in the Reactions of Olefin-Coordinated Gold Carbene Complexes. *Organometallics*, **2009**, 28, 1278-1281	3.8	58
113	Interaction of organoplatinum(II) complexes with monovalent coinage metal triflates. *Journal of the American Chemical Society*, **2009**, 131, 5675-90	16.4	72
112	Photochemical deactivation pathways of the A-state allyl radical. *Physical Chemistry Chemical Physics*, **2009**, 11, 8262-5	3.6	4
111	Mononuclear platinum(II) complexes incorporating kappa2-carboxylate ligands: synthesis, structure, and reactivity. *Inorganic Chemistry*, **2009**, 48, 6972-8	5.1	12
110	Mononuclear Organometallic Platinum(II) Complexes and Platinum(II)□copper(I) Mixed Complexes from Symmetrical 3,5-Bis(iminoacetyl)pyrazolate Ligands. *Organometallics*, **2008**, 27, 4903-4916	3.8	22
109	Photodissociation dynamics of the 2-methylallyl radical. *Physical Chemistry Chemical Physics*, **2008**, 10, 1133-8	3.6	9
108	Gas-phase thermochemistry of ruthenium carbene metathesis catalysts. *Journal of the American Chemical Society*, **2008**, 130, 4808-14	16.4	129
107	Gas-phase synthesis and reactivity of a gold carbene complex. *Journal of the American Chemical Society*, **2008**, 130, 8880-1	16.4	126
106	Bis(acetato-□O)[N,N,N′,N′-tetra-methyl-ethane-1,2-diamine-□N,N′]copper(II). *Acta Crystallographica Section E: Structure Reports Online*, **2008**, 64, m430-1		2
105	Simple fitting of energy-resolved reactive cross sections in threshold collision-induced dissociation (T-CID) experiments. *Journal of Physical Chemistry A*, **2007**, 111, 7006-13	2.8	72
104	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, 2476-81	16.4	26
103	Mechanistically Designed Dual-Site Catalysts for the Alternating ROMP of Norbornene and Cyclooctene. *Organometallics*, **2007**, 26, 3585-3596	3.8	85
102	Threshold CID investigation of isomeric Cu(I) azabox complexes. *Inorganic Chemistry*, **2007**, 46, 11366-70	5.1	21

101	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, 2796-802	16.4	23
100	Ligand Binding Energies in Cationic Platinum(II) Complexes: A Quantitative Study in the Gas Phase. *Organometallics*, **2007**, 26, 1523-1530	3.8	29
99	Unprecedented ROMP activity of low-valent rhenium-nitrosyl complexes: Mechanistic evaluation of an electrophilic olefin metathesis system. *Chemistry - A European Journal*, **2006**, 12, 3325-38	4.8	27
98	Nonstatistical effects in the dissociation of ethyl radical: Finding order in chaos. *Journal of Chemical Physics*, **2006**, 125, 24304	3.9	31
97	Cationic Palladium Bis-carbene Carboxylate Complexes. *Organometallics*, **2006**, 25, 5863-5869	3.8	39
96	Chain transfer to aluminium in MAO-activated metallocene-catalyzed polymerization reactions. *Chemical Communications*, **2006**, 4309-11	5.8	35
95	Spectroscopy and dynamics of A [(2)B1] allyl radical. *Physical Chemistry Chemical Physics*, **2006**, 8, 2591-8	3.6	22
94	Response to: □□H Activation by Platinum(II): What Do Gas-Phase Studies Tell Us about the Solution-Phase Mechanism?□*Organometallics*, **2006**, 25, 809-811	3.8	15
93	Measuring rate constants for active species in the polymerization of ethylene by MAO-activated metallocene catalysts by electrospray ionization mass spectrometry. *Chemical Communications*, **2005**, 5757-9	5.8	32
92	Computational Study of Low-Coordinate Rhenium Diolates, Metallaoxetanes, Oxo Complexes, and Carbenes. *Organometallics*, **2005**, 24, 10-12	3.8	21
91	Binding of propylene oxide to porphyrin- and salen-M(III) cations, where M = Al, Ga, Cr, and Co. *Inorganic Chemistry*, **2005**, 44, 2588-95	5.1	81
90	Probing centrifugal barriers in unimolecular dissociation of the allyl radical. *Journal of Physical Chemistry A*, **2005**, 109, 962-4	2.8	8
89	Experimental and Computational Study of the [2 + 2] Dissociation of Rhenaoxetanes in the Gas Phase. *Organometallics*, **2005**, 24, 3040-3042	3.8	15
88	Electrospray Ionization Tandem Mass Spectrometric Determination of Ligand Binding Energies in Platinum(II) Complexes. *Organometallics*, **2005**, 24, 1907-1913	3.8	41
87	Mechanism-based design of a ROMP catalyst for sequence-selective copolymerization. *Angewandte Chemie - International Edition*, **2005**, 44, 7909-11	16.4	81
86	Mechanismus-basierte Entwicklung eines sequenzselektiven ROMP-Katalysators f□die Copolymerisation von Alkenen. *Angewandte Chemie*, **2005**, 117, 8123-8125	3.6	19
85	Quasiperiodic trajectories in the unimolecular dissociation of ethyl radicals by time-frequency analysis. *Journal of Chemical Physics*, **2005**, 123, 21101	3.9	28
84	Mechanism and activity of ruthenium olefin metathesis catalysts: the role of ligands and substrates from a theoretical perspective. *Journal of the American Chemical Society*, **2004**, 126, 3496-510	16.4	259

83	Gas-phase reactions of the [(PHOX)IrL(2)](+) ion olefin-hydrogenation catalyst support an Ir(I)/Ir(III) cycle. *Angewandte Chemie - International Edition*, **2004**, 43, 5513-6	16.4	57
82	Gas-Phase Reactions of the [(PHOX)IrL2]+ Ion Olefin-Hydrogenation Catalyst Support an IrI/IrIII Cycle. *Angewandte Chemie*, **2004**, 116, 5629-5632	3.6	20
81	Mass Spectrometric Study of the Conversion of Rhenium Diolates to Metallaoxetanes and Carbenes. Coordination Number, Polar, and Steric Effects. *Organometallics*, **2004**, 23, 3437-3447	3.8	27
80	Gas-phase and solution-phase polymerization of epoxides by Cr(salen) complexes: evidence for a dinuclear cationic mechanism. *Inorganic Chemistry*, **2004**, 43, 7278-80	5.1	21
79	Defect-induced acceleration of a solid-state chemical reaction in zinc alkoxide single crystals. *Inorganic Chemistry*, **2004**, 43, 3164-9	5.1	17
78	Cationic Platinum(II) Carboxylato Complexes Are Competent in Catalytic Arene C□H Activation under Mild Conditions. *Organometallics*, **2004**, 23, 3031-3036	3.8	42
77	Thales Technologies AG: Research Services for the Chemical Industries. How to Find the Needle in the Haystack and How to Find it FAST□*Chimia*, **2003**, 57, 354-357	1.3	3
76	Comparing Intrinsic Reactivities of the First- and Second-Generation Ruthenium Metathesis Catalysts in the Gas Phase. *Helvetica Chimica Acta*, **2003**, 86, 941-949	2	52
75	Numerical Modeling of Differential Kinetics in the Asymmetric Hydrogenation of Acetophenone by Noyori's Catalyst. *Advanced Synthesis and Catalysis*, **2003**, 345, 1353-1359	5.6	25
74	Elektrosprayionisierungs-Tandem-Massenspektrometrie im Hochdurchsatz-Screening homogener Katalysatoren. *Angewandte Chemie*, **2003**, 115, 2938-2954	3.6	110
73	Metallaoxetanes and Carbenes from Diolates in High-Valent Rhenium Oxo Chemistry: The Importance of the Coordination Number. *Angewandte Chemie*, **2003**, 115, 3928-3931	3.6	7
72	[ReO3(bipy)]+[X]--catalyzed aldehyde olefination: carbene and phosphorane intermediates. *Chemistry - A European Journal*, **2003**, 9, 1852-9	4.8	45
71	Electrospray ionization tandem mass spectrometry in high-throughput screening of homogeneous catalysts. *Angewandte Chemie - International Edition*, **2003**, 42, 2832-47	16.4	316
70	Metallaoxetanes and carbenes from diolates in high-valent rhenium oxo chemistry: the importance of the coordination number. *Angewandte Chemie - International Edition*, **2003**, 42, 3798-801	16.4	49
69	Comparative Gas-Phase and Solution-Phase Investigations of the Mechanism of C□H Activation by [(N□N)Pt(CH3)(L)]+. *Organometallics*, **2003**, 22, 2217-2225	3.8	55
68	Die Rotation des Liganden unterscheidet die Ruthenium-Metathesekatalysatoren der ersten und zweiten Generation. *Angewandte Chemie*, **2002**, 114, 4668-4671	3.6	22
67	Ligand rotation distinguishes first- and second-generation ruthenium metathesis catalysts. *Angewandte Chemie - International Edition*, **2002**, 41, 4484-7	16.4	106
66	Facile Preparation and Activation of High-Productivity Single-Site Nickel Catalysts for Highly Linear Polyethylene. *Helvetica Chimica Acta*, **2002**, 85, 4337-4352	2	13

65	Allyl-A Model System for the Chemical Dynamics of Radicals. *Journal of Physical Chemistry A*, **2002**, 106, 4291-4300	2.8	57
64	Density Functional Study of the Oxy-Cope Rearrangement. *Helvetica Chimica Acta*, **2001**, 84, 124-140	2	16
63	Noyoris Hydrierungskatalysator braucht f□ hohe Aktivit□ einen Lewis-sauren Cokatalysator. *Angewandte Chemie*, **2001**, 113, 3693-3697	3.6	29
62	Catalyst screening by electrospray ionization tandem mass spectrometry: Hofmann carbenes for olefin metathesis. *Chemistry - A European Journal*, **2001**, 7, 4621-32	4.8	67
61	Noyori's Hydrogenation Catalyst Needs a Lewis Acid Cocatalyst for High Activity We thank Mr. Christian Dambouwy, Thales Technologies AG, Z□ich, 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	16.4	114
60	Fishing for Catalysts: Mechanism-Based Probes for Active Species in Solution. *Helvetica Chimica Acta*, **2000**, 83, 2192-2196	2	89
59	Comparing Grubbs-, Werner-, and Hofmann-Type (Carbene)ruthenium Complexes: The Key Role of Pre-Equilibria for Olefin Metathesis. *Helvetica Chimica Acta*, **2000**, 83, 3306-3311	2	60
58	Ligand binding energy in [(bipy)Rh(P?CH)]+ by collision-induced dissociation threshold measurements. *International Journal of Mass Spectrometry*, **2000**, 202, 1-7	1.9	9
57	Mass spectrometric assay of polymerization catalysts for combinational screening. *International Journal of Mass Spectrometry*, **2000**, 195-196, 377-383	1.9	30
56	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	16.4	229
55	Zero kinetic energy photoelectron spectra of the allyl radical, C3H5. *Journal of Chemical Physics*, **2000**, 113, 561-566	3.9	28
54	The zero kinetic energy photoelectron spectrum of the propargyl radical, C3H3. *Journal of Chemical Physics*, **2000**, 112, 2575-2578	3.9	53
53	Microcanonical rates for the unimolecular dissociation of the ethyl radical. *Journal of Chemical Physics*, **1999**, 110, 5485-5488	3.9	51
52	Photodissociation dynamics of the allyl radical. *Journal of Chemical Physics*, **1999**, 110, 1450-1462	3.9	69
51	Photodissociation dynamics of the propargyl radical. *Journal of Chemical Physics*, **1999**, 111, 3441-3448	3.9	60
50	Reactions of electrosprayed rhodium phosphine complexes in the gas phase: modeling homogeneous catalytic hydrogenation. *International Journal of Mass Spectrometry*, **1999**, 185-187, 871-881	1.9	13
49	Rasches Screening von Olefinpolymerisationskatalysator-Bibliotheken durch Elektrospray-Ionisations-Tandem-Massenspektrometrie. *Angewandte Chemie*, **1999**, 111, 2393-2396	3.6	28
48	Rapid Screening of Olefin Polymerization Catalyst Libraries by Electrospray Ionization Tandem Mass Spectrometry. *Angewandte Chemie - International Edition*, **1999**, 38, 2253-2256	16.4	68

47	Rapid Screening of Olefin Polymerization Catalyst Libraries by Electrospray Ionization Tandem Mass Spectrometry **1999**, 38, 2253		2
46	Rapid Synthesis of Didehydroaspartic-Acid Derivatives Carrying a Substituent. *Helvetica Chimica Acta*, **1998**, 81, 2341-2347	2	26
45	Olefinmetathese eines Ruthenium-Carben-Komplexes nach Elektrospray-Ionisierung in der Gasphase. *Angewandte Chemie*, **1998**, 110, 2831-2835	3.6	56
44	Olefin Metathesis of a Ruthenium Carbene Complex by Electrospray Ionization in the Gas Phase. *Angewandte Chemie - International Edition*, **1998**, 37, 2685-2689	16.4	144
43	Radical Rearrangements for the Chemical Vapor Deposition of Diamond. *Journal of Organic Chemistry*, **1998**, 63, 4581-4586	4.2	4
42	Chemistry of the 2,5-Didehydropyridine Biradical:Computational, Kinetic, and Trapping Studies toward Drug Design. *Journal of the American Chemical Society*, **1998**, 120, 376-385	16.4	138
41	ZieglerNatta-like Olefin Oligomerization by Alkylzirconocene Cations in an Electrospray Ionization Tandem Mass Spectrometer. *Journal of the American Chemical Society*, **1998**, 120, 7125-7126	16.4	89
40	Thermochemistry of carbenes. *Advances in Carbene Chemistry*, **1998**, 45-75		6
39	Olefin Metathesis of a Ruthenium Carbene Complex by Electrospray Ionization in the Gas Phase **1998**, 37, 2685		3
38	Kinetics and dynamics in the photodissociation of the allyl radical. *Journal of Chemical Physics*, **1997**, 107, 3329-3332	3.9	36
37	Linear Free Energy Relationship in Ion Thermochemistry. *Journal of Physical Chemistry A*, **1997**, 101, 9728-9731	2.8	15
36	A Combined Gas-Phase, Solution-Phase, and Computational Study of CH Activation by Cationic Iridium(III) Complexes. *Journal of the American Chemical Society*, **1997**, 119, 10793-10804	16.4	99
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