

# Peter Chen

## List of Publications by Citations

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190  
papers

7,674  
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52  
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78  
g-index

210  
ext. papers

8,095  
ext. citations

7  
avg, IF

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L-index

#	Paper	IF	Citations
190	Electrospray ionization tandem mass spectrometry in high-throughput screening of homogeneous catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 2832-47	16.4	316
189	Flash pyrolysis nozzle for generation of radicals in a supersonic jet expansion. <i>Review of Scientific Instruments</i> , <b>1992</b> , 63, 4003-4005	1.7	296
188	Mechanism and activity of ruthenium olefin metathesis catalysts: the role of ligands and substrates from a theoretical perspective. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 3496-510	16.4	259
187	Mechanistic Studies of Olefin Metathesis by Ruthenium Carbene Complexes Using Electrospray Ionization Tandem Mass Spectrometry. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 8204-8214	16.4	229
186	Olefin Metathesis of a Ruthenium Carbene Complex by Electrospray Ionization in the Gas Phase. <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 2685-2689	16.4	144
185	New Benchmark Set of Transition-Metal Coordination Reactions for the Assessment of Density Functionals. <i>Journal of Chemical Theory and Computation</i> , <b>2014</b> , 10, 3092-103	6.4	142
184	Chemistry of the 2,5-Didehydropyridine Biradical: Computational, Kinetic, and Trapping Studies toward Drug Design. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 376-385	16.4	138
183	Gas-phase thermochemistry of ruthenium carbene metathesis catalysts. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 4808-14	16.4	129
182	Gas-phase synthesis and reactivity of a gold carbene complex. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 8880-1	16.4	126
181	Ab Initio Calculation of Hydrogen Abstraction Reactions of Phenyl Radical and p-Benzyne. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 2113-2114	16.4	126
180	A Stable Tetraazafulvalene. <i>Angewandte Chemie International Edition in English</i> , <b>1996</b> , 35, 1011-1013		123
179	Noyori's Hydrogenation Catalyst Needs a Lewis Acid Cocatalyst for High Activity We thank Mr. Christian Dambouwy, Thales Technologies AG, Zürich, 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
178	Elektrosprayionisierungs-Tandem-Massenspektrometrie im Hochdurchsatz-Screening homogener/Katalysatoren <i>Angewandte Chemie</i> , <b>2003</b> , 115, 2938-2954	3.6	110
177	Ligand rotation distinguishes first- and second-generation ruthenium metathesis catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 4484-7	16.4	106
176	9,10-Dehydroanthracene: p-Benzyne-Type Biradicals Abstract Hydrogen Unusually Slowly. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 4896-4903	16.4	105
175	Rotationally resolved threshold photoelectron spectrum of the methyl radical. <i>Journal of Chemical Physics</i> , <b>1993</b> , 98, 3557-3559	3.9	105
174	Mass and photoelectron spectroscopy of C <sub>3</sub> H <sub>2</sub> . DELTA.Hf of singlet carbenes deviate from additivity by their singlet-triplet gaps. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 99-107	16.4	104

173	A Combined Gas-Phase, Solution-Phase, and Computational Study of C <sub>2</sub> H <sub>4</sub> Activation by Cationic Iridium(III) Complexes. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 10793-10804	16.4	99
172	Fishing for Catalysts: Mechanism-Based Probes for Active Species in Solution. <i>Helvetica Chimica Acta</i> , <b>2000</b> , 83, 2192-2196	2	89
171	Ziegler-Natta-like Olefin Oligomerization by Alkylzirconocene Cations in an Electrospray Ionization Tandem Mass Spectrometer. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 7125-7126	16.4	89
170	Mechanistically Designed Dual-Site Catalysts for the Alternating ROMP of Norbornene and Cyclooctene. <i>Organometallics</i> , <b>2007</b> , 26, 3585-3596	3.8	85
169	Flash pyrolytic production of rotationally cold free radicals in a supersonic jet. Resonant multiphoton spectrum of the 3p <sup>2</sup> A <sub>2</sub> " origin band of methyl. <i>The Journal of Physical Chemistry</i> , <b>1986</b> , 90, 2319-2321		84
168	Molecularly Tailored Nickel Precursor and Support Yield a Stable Methane Dry Reforming Catalyst with Superior Metal Utilization. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6919-6927	16.4	81
167	Binding of propylene oxide to porphyrin- and salen-M(III) cations, where M = Al, Ga, Cr, and Co. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 2588-95	5.1	81
166	Mechanism-based design of a ROMP catalyst for sequence-selective copolymerization. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 7909-11	16.4	81
165	Photoionization mass and photoelectron spectroscopy of radicals, carbenes, and biradicals. <i>Accounts of Chemical Research</i> , <b>1992</b> , 25, 385-392	24.3	81
164	Potential energy surface for (retro-)cyclopropanation: metathesis with a cationic gold complex. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 12162-71	16.4	72
163	Interaction of organoplatinum(II) complexes with monovalent coinage metal triflates. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 5675-90	16.4	72
162	Simple fitting of energy-resolved reactive cross sections in threshold collision-induced dissociation (T-CID) experiments. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 7006-13	2.8	72
161	Direct Observation of a Dissociative Mechanism for C <sub>2</sub> H <sub>4</sub> Activation by a Cationic Iridium(III) Complex. <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 243-244		70
160	Photoelectron spectrum of the propargyl radical in a supersonic beam. <i>The Journal of Physical Chemistry</i> , <b>1990</b> , 94, 8399-8401		70
159	Photodissociation dynamics of the allyl radical. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 1450-1462	3.9	69
158	Rapid Screening of Olefin Polymerization Catalyst Libraries by Electrospray Ionization Tandem Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 2253-2256	16.4	68
157	Building stereoselectivity into a chemoselective ring-opening metathesis polymerization catalyst for alternating copolymerization. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 3762-6	16.4	67
156	Catalyst screening by electrospray ionization tandem mass spectrometry: Hofmann carbenes for olefin metathesis. <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 4621-32	4.8	67

- 155 Attenuation of London Dispersion in Dichloromethane Solutions. *Journal of the American Chemical Society*, **2017**, 139, 13126-13140 16.4 65
- 154 Ein stabiles Tetraazafulvalen. *Angewandte Chemie*, **1996**, 108, 1098-1100 3.6 61
- 153 Photoelectron spectrum, ionization potential, and heat of formation of dichlorocarbene. *The Journal of Physical Chemistry*, **1993**, 97, 4936-4940 61
- 152 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
- 151 Photodissociation dynamics of the propargyl radical. *Journal of Chemical Physics*, **1999**, 111, 3441-3448 3.9 60
- 150 Photoelectron spectrum of o-benzyne. Ionization potentials as a measure of singlet-triplet gaps. *Journal of the American Chemical Society*, **1992**, 114, 3147-3148 16.4 59
- 149 Electronic Effects in the Reactions of Olefin-Coordinated Gold Carbene Complexes. *Organometallics*, **2009**, 28, 1278-1281 3.8 58
- 148 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
- 147 Allyl-A Model System for the Chemical Dynamics of Radicals. *Journal of Physical Chemistry A*, **2002**, 106, 4291-4300 2.8 57
- 146 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
- 145 Structure and bonding of isoelectronic coinage metal (Cu, Ag, Au) dimethylaminonitrenes in the gas phase. *Journal of the American Chemical Society*, **2010**, 132, 13789-98 16.4 56
- 144 Olefinmetathese eines Ruthenium-Carben-Komplexes nach Elektrospray-Ionisierung in der Gasphase. *Angewandte Chemie*, **1998**, 110, 2831-2835 3.6 56
- 143 Comparative Gas-Phase and Solution-Phase Investigations of the Mechanism of C≡C Activation by [(NHC)Pt(CH3)(L)]+. *Organometallics*, **2003**, 22, 2217-2225 3.8 55
- 142 The zero kinetic energy photoelectron spectrum of the propargyl radical, C<sub>3</sub>H<sub>3</sub>. *Journal of Chemical Physics*, **2000**, 112, 2575-2578 3.9 53
- 141 Chemistry of benzene-anthracene cyclodimers. *Journal of the American Chemical Society*, **1984**, 106, 7310-7315 6.3 53
- 140 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
- 139 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
- 138 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

137	Transmetalation supported by a Pt(II)-Cu(I) bond. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 2873-7	16.4	51
136	Microcanonical rates for the unimolecular dissociation of the ethyl radical. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 5485-5488	3.9	51
135	Metallaioxetanes and carbenes from diolates in high-valent rhenium oxo chemistry: the importance of the coordination number. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 3798-801	16.4	49
134	The 1 + 1 resonant multiphoton ionization spectrum of the allyl radical. Rotational structure in the $\sim$ C[22B1] .fwdarw. $\sim$ X[12A2] origin band. <i>The Journal of Physical Chemistry</i> , <b>1992</b> , 96, 2025-2027		49
133	Gold carbenes via 1,2-dialkoxypropylene ring-opening: a mass spectrometric and DFT study of the reaction pathways. <i>Chemical Communications</i> , <b>2010</b> , 46, 3899-901	5.8	48
132	[ReO <sub>3</sub> (bipy)] <sup>+</sup> [X] <sup>-</sup> -catalyzed aldehyde olefination: carbene and phosphorane intermediates. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 1852-9	4.8	45
131	Resonant multiphoton ionization spectrum and electronic structure of CH radical. New states and assignments above 50 000 cm <sup>-1</sup> . <i>Journal of Chemical Physics</i> , <b>1987</b> , 86, 516-520	3.9	45
130	Coinage-metal mediated ring opening of cis-1,2-dimethoxycyclopropane: trends from the gold, copper, and silver Fischer carbene bond strength. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 9296-307	16.4	44
129	Cationic Platinum(II) Carboxylato Complexes Are Competent in Catalytic Arene C-H Activation under Mild Conditions. <i>Organometallics</i> , <b>2004</b> , 23, 3031-3036	3.8	42
128	Electronic spectrum of allyl and allyl-d <sub>5</sub> radicals: the B[12A1] .rarw. X[12A2], C[22B1] .rarw. X[12A2], and D[12B2] .rarw. X[12A2] band systems. <i>The Journal of Physical Chemistry</i> , <b>1992</b> , 96, 10150-10154		42
127	Quantitative description of structural effects on the stability of gold(I) carbenes. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 14270-81	4.8	41
126	Electrospray Ionization Tandem Mass Spectrometric Determination of Ligand Binding Energies in Platinum(II) Complexes. <i>Organometallics</i> , <b>2005</b> , 24, 1907-1913	3.8	41
125	Structure and Gas-Phase Thermochemistry of a Pd/Cu Complex: Studies on a Model for Transmetalation Transition States. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 1069-1072	16.4	40
124	Co-C bond energies in adenosylcobinamide and methylcobinamide in the gas phase and in silico. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 13648-51	16.4	40
123	Rational design of a gold carbene precursor complex for a catalytic cyclopropanation reaction. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 4686-9	16.4	40
122	Cationic Palladium Bis-carbene Carboxylate Complexes. <i>Organometallics</i> , <b>2006</b> , 25, 5863-5869	3.8	39
121	Photoelectron spectrum of the vinyl radical: downward revision of the C <sub>2</sub> H <sub>3</sub> -ionization potential. <i>The Journal of Physical Chemistry</i> , <b>1992</b> , 96, 4138-4140		39
120	Narrowly Distributed Polyethylene via Reversible Chain Transfer to Aluminum by a Sterically Hindered Zirconocene/MAO. <i>Organometallics</i> , <b>2010</b> , 29, 294-302	3.8	37

119	Vibrational structure in the photoelectron spectrum of cyclobutadiene as a probe of structure. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 2844-2848	16.4	37
118	Kinetics and dynamics in the photodissociation of the allyl radical. <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 3329-3332	3.9	36
117	Chain transfer to aluminium in MAO-activated metallocene-catalyzed polymerization reactions. <i>Chemical Communications</i> , <b>2006</b> , 4309-11	5.8	35
116	Mechanistic Insights from the Gas-Phase Reactivity of Phosphorus-Ylid-Supported Benzyldiene Gold Complexes. <i>Organometallics</i> , <b>2010</b> , 29, 2994-3000	3.8	33
115	Design of Diradical-based Hydrogen Abstraction Agents. <i>Angewandte Chemie International Edition in English</i> , <b>1996</b> , 35, 1478-1480		33
114	Measuring rate constants for active species in the polymerization of ethylene by MAO-activated metallocene catalysts by electrospray ionization mass spectrometry. <i>Chemical Communications</i> , <b>2005</b> , 5757-9	5.8	32
113	Nonstatistical effects in the dissociation of ethyl radical: Finding order in chaos. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 24304	3.9	31
112	The 1 + 1 and 2 + 2 resonant multiphoton ionization of allyl and allyl-dn (C <sub>3</sub> H <sub>5</sub> , C <sub>3</sub> H <sub>4</sub> D, C <sub>3</sub> H <sub>3</sub> D <sub>2</sub> , and C <sub>3</sub> D <sub>5</sub> ) radicals. <i>The Journal of Physical Chemistry</i> , <b>1993</b> , 97, 13375-13379		31
111	Mass spectrometric assay of polymerization catalysts for combinational screening. <i>International Journal of Mass Spectrometry</i> , <b>2000</b> , 195-196, 377-383	1.9	30
110	Ligand Binding Energies in Cationic Platinum(II) Complexes: A Quantitative Study in the Gas Phase. <i>Organometallics</i> , <b>2007</b> , 26, 1523-1530	3.8	29
109	Noyoris Hydrierungskatalysator braucht für hohe Aktivitäten einen Lewis-sauren Cokatalysator. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 3693-3697	3.6	29
108	Single-photon and resonance-enhanced multiphoton threshold ionization of the allyl radical. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 014304	3.9	28
107	Quasiperiodic trajectories in the unimolecular dissociation of ethyl radicals by time-frequency analysis. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 21101	3.9	28
106	Zero kinetic energy photoelectron spectra of the allyl radical, C <sub>3</sub> H <sub>5</sub> . <i>Journal of Chemical Physics</i> , <b>2000</b> , 113, 561-566	3.9	28
105	Rasches Screening von Olefinpolymerisationskatalysator-Bibliotheken durch Elektrospray-Ionisations-Tandem-Massenspektrometrie. <i>Angewandte Chemie</i> , <b>1999</b> , 111, 2393-2396	3.6	28
104	Chemistry of exciplexes. 12. Chemistry of heterodimers of benzene and anthracene. <i>Journal of the American Chemical Society</i> , <b>1982</b> , 104, 853-855	16.4	28
103	Unprecedented ROMP activity of low-valent rhenium-nitrosyl complexes: Mechanistic evaluation of an electrophilic olefin metathesis system. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 3325-38	4.8	27
102	Mass Spectrometric Study of the Conversion of Rhenium Diolates to Metallaioxetanes and Carbenes. Coordination Number, Polar, and Steric Effects. <i>Organometallics</i> , <b>2004</b> , 23, 3437-3447	3.8	27

101	Gas-Phase Investigations on the Transmetalation Step in Sonogashira Reactions. <i>Organometallics</i> , <b>2015</b> , 34, 3888-3892	3.8	26
100	Nickel-Catalyzed Cyclopropanation with NMe <sub>4</sub> OTf and nBuLi. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 10670-4	16.4	26
99	Rapid Synthesis of $\beta$ -Didehydroaspartic-Acid Derivatives Carrying a $\beta$ -Substituent. <i>Helvetica Chimica Acta</i> , <b>1998</b> , 81, 2341-2347	2	26
98	Energy-resolved collision-induced dissociation cross sections of 2:1 bis-oxazoline copper complexes. Nonbonded interactions and nonlinear effects. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 2476-81	16.4	26
97	Adiabatic and nonadiabatic dissociation of ethyl radical. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 034303	3.9	25
96	Numerical Modeling of Differential Kinetics in the Asymmetric Hydrogenation of Acetophenone by Noyori's Catalyst. <i>Advanced Synthesis and Catalysis</i> , <b>2003</b> , 345, 1353-1359	5.6	25
95	Non-innocent Character of Oxyanions in Ruthenium Metathesis Catalysts. <i>Organometallics</i> , <b>2011</b> , 30, 3971-3980	3.8	24
94	Experimental and theoretical study of a gold(I) aminonitrene complex in the gas phase. <i>ChemPhysChem</i> , <b>2010</b> , 11, 1002-5	3.2	24
93	A Universal Quantitative Descriptor of the Dispersion Interaction Potential. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 9758-9769	16.4	23
92	Direkter Beleg für einen dissoziativen Mechanismus bei der C-H-Aktivierung durch einen kationischen Iridium(III)-Komplex. <i>Angewandte Chemie</i> , <b>1997</b> , 109, 272-274	3.6	23
91	Fourier transform ion mobility measurement of chain branching in mass-selected, chemically trapped oligomers from methylalumoxane-activated, metallocene-catalyzed polymerization of ethylene. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 2796-802	16.4	23
90	Photoelectron spectroscopy of the excited states of the CH radical. <i>Journal of Chemical Physics</i> , <b>1986</b> , 84, 5208-5209	3.9	23
89	Origin of the Immiscibility of Alkanes and Perfluoroalkanes. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 3489-3506	16.4	22
88	Mononuclear Organometallic Platinum(II) Complexes and Platinum(II)Copper(I) Mixed Complexes from Symmetrical 3,5-Bis(iminoacetyl)pyrazolate Ligands. <i>Organometallics</i> , <b>2008</b> , 27, 4903-4916	3.8	22
87	Spectroscopy and dynamics of A [(2)B1] allyl radical. <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 2591-83.6	22	
86	Die Rotation des Liganden unterscheidet die Ruthenium-Metathesekatalysatoren der ersten und zweiten Generation. <i>Angewandte Chemie</i> , <b>2002</b> , 114, 4668-4671	3.6	22
85	An ab Initio and Photoelectron Spectroscopic Study of the Trichloromethyl Radical and Cation. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 6919-6923		22
84	Multiphoton spectroscopy and analysis of the E <sub>2</sub> $\leftarrow$ X <sub>2</sub> band of CH. <i>Chemical Physics Letters</i> , <b>1985</b> , 121, 405-407	2.5	22

83	Designing Sequence Selectivity into a Ring-Opening Metathesis Polymerization Catalyst. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 1052-60	24.3	22
82	A palladium-catalyzed methylenation of olefins using halomethylboronate reagents. <i>Organic Letters</i> , <b>2014</b> , 16, 1100-3	6.2	21
81	Reactive intermediates: a transient electrophilic phosphinidene caught in the act. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 1454-8	4.8	21
80	Threshold CID investigation of isomeric Cu(I) azabox complexes. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 11366-70	5.1	21
79	Computational Study of Low-Coordinate Rhenium Diolates, Metallaoxetanes, Oxo Complexes, and Carbenes. <i>Organometallics</i> , <b>2005</b> , 24, 10-12	3.8	21
78	Gas-phase and solution-phase polymerization of epoxides by Cr(salen) complexes: evidence for a dinuclear cationic mechanism. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 7278-80	5.1	21
77	Experimental Gas-Phase Thermochemistry for Alkane Reductive Elimination from Pt(IV). <i>Organometallics</i> , <b>2014</b> , 33, 2889-2897	3.8	20
76	Homogeneous Model Complexes for Supported Rhenia Metathesis Catalysts. <i>Organometallics</i> , <b>2012</b> , 31, 7558-7565	3.8	20
75	Gas-Phase Reactions of the [(PHOX)IrL <sub>2</sub> ] <sup>+</sup> Ion Olefin-Hydrogenation Catalyst Support an IrI/IrIII Cycle. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 5629-5632	3.6	20
74	A Heterobimetallic Pd <sub>2</sub> Zn Complex: Study of a d <sub>8</sub> d <sub>10</sub> Bond in Solid State, in Solution, and in Silico. <i>Organometallics</i> , <b>2017</b> , 36, 1465-1468	3.8	19
73	Mechanismus-basierte Entwicklung eines sequenzselektiven ROMP-Katalysators für die Copolymerisation von Alkenen. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 8123-8125	3.6	19
72	The photoelectron spectrum of the .alpha.,3-dehydrotoluene biradical. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 2137-2138	16.4	19
71	Photoelectron spectrum of cyclopropenylidene and weak bonds in cyclopropenyl radical. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 1445-1446	16.4	19
70	Rationelle Entwicklung eines Goldcarben-Vorstufenkomplexes für eine katalytische Cyclopropanierung. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 4784-4787	3.6	18
69	High power laser photochemistry. Production of neutral atomic and small molecular fragments by UV multiphoton dissociation. <i>Journal of Chemical Physics</i> , <b>1986</b> , 84, 527-528	3.9	18
68	Experimental Gas-Phase and in Silico Investigation of $\beta$ Methyl Elimination from Cationic Palladium Alkyl Species. <i>Organometallics</i> , <b>2015</b> , 34, 1301-1306	3.8	17
67	Structure, Dynamics, and Polymerization Activity of Zirconocenium Ion Pairs Generated with Boron-C <sub>6</sub> F <sub>5</sub> Compounds and Al <sub>2</sub> R <sub>6</sub> . <i>Organometallics</i> , <b>2011</b> , 30, 3834-3843	3.8	17
66	Transmetalation Supported by a PtII $\pi$ CuI Bond. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 2935-2939	3.6	17



65	Defect-induced acceleration of a solid-state chemical reaction in zinc alkoxide single crystals. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 3164-9	5.1	17
64	Maßgeschneiderte Diradikale als wasserstoffabstrahierende Reagentien. <i>Angewandte Chemie</i> , <b>1996</b> , 108, 1584-1586	3.6	17
63	Trends in Metallophilic Bonding in PdZn and PdCu Complexes. <i>Organometallics</i> , <b>2017</b> , 36, 4854-4863	3.8	16
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