

Christian Mck-Lichtenfeld

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

166
papers

6,331
citations

43
h-index

73
g-index

172
ext. papers

7,238
ext. citations

8.9
avg, IF

6.24
L-index

#	Paper	IF	Citations
166	Frontispiece: Photoswitchable Nitrogen Superbases: Using Light for Reversible Carbon Dioxide Capture. <i>Angewandte Chemie - International Edition</i> , 2022 , 61, e202280362	16.4	
165	Trendbericht Organische Chemie 2022. <i>Nachrichten Aus Der Chemie</i> , 2022 , 70, 42-69	0.1	
164	Photoswitchable Nitrogen Superbases: Using Light for Reversible Carbon Dioxide Capture. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	1
163	Mechanism of the Arene-Limited Nondirected C-H Activation of Arenes with Palladium*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15641-15649	16.4	6
162	Radical Aryl Migration from Boron to Carbon. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9320-9326	5	
161	Mechanismus der Aren-limitierten, nicht-dirigierten C-H-Aktivierung von Arenen mit Palladium**. <i>Angewandte Chemie</i> , 2021 , 133, 15770-15779	3.6	0
160	High Aluminum Ordering in SSZ-59: Residual ${}^1\text{H}$ - ${}^{27}\text{Al}$ Dipolar Coupling Effects in ${}^1\text{H}$ MAS NMR Spectra of Brønsted Acid Sites in Zeolites. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 4869-4877	3.8	4
159	Preparation and Characterization of Pentafluoro- β -sulfanyldifluoromethane and Pentafluoro- β -sulfanyl-1,1,2,2-tetrafluoroethane. <i>Helvetica Chimica Acta</i> , 2021 , 104, e2100138	2	1
158	The Bis(\square -benzene)lithium Cation: A Fundamental Main-Group Organometallic Species. <i>Angewandte Chemie</i> , 2021 , 133, 23061	3.6	0
157	Insights into Ergochromes of the Plant Pathogen. <i>Journal of Natural Products</i> , 2021 , 84, 2630-2643	4.9	1
156	Enantiodivergent Prenylation via Deconjugative Isomerization. <i>ACS Catalysis</i> , 2021 , 11, 11929-11937	13.1	3
155	The Bis(\square -benzene)lithium Cation: A Fundamental Main-Group Organometallic Species. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22879-22884	16.4	2
154	A BH Borenium-Derived Thioxoborane, Its Persulfide, and Their Li-Induced Reactions with Alkynes and with Carbon Dioxide. <i>Journal of the American Chemical Society</i> , 2020 , 142, 19763-19771	16.4	5
153	1,-Bisborylkalkanes via Radical Boron Migration. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9119-9123	24	
152	Cyclobutene Formation by Borane Catalyzed [2+2] Cycloaddition of a Vinylphosphane with Conjugated Ynones. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 2270-2272	2.3	1
151	A highly unsaturated six-vertex amido-substituted silicon cluster. <i>Chemical Science</i> , 2020 , 11, 5895-5901	9.4	8
150	Stabile Silanoltriaden im Zeolithkatalysator SSZ-70. <i>Angewandte Chemie</i> , 2020 , 132, 11032-11036	3.6	7

149	A Stable Silanol Triad in the Zeolite Catalyst SSZ-70. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10939-10943	16.4	23
148	Design of Ru(II)-NHC-Diamine Precatalysts Directed by Ligand Cooperation: Applications and Mechanistic Investigations for Asymmetric Hydrogenation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7100-7107	16.4	24
147	A rare olefin 1,1-carboboration reaction opens a synthetic pathway to an unusually structured frustrated Lewis pair. <i>Chemical Communications</i> , 2020 , 56, 8806-8809	5.8	3
146	Using the Secondary PH/BH Functional Groups of an Active Geminal Frustrated Lewis Pair for Carbon Monoxide Reduction and Reactions with Nitriles and Isonitriles. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12477-12483	16.4	9
145	Hydrogen Bond Formation of Brønsted Acid Sites in Zeolites. <i>Chemistry of Materials</i> , 2020 , 32, 1564-1574	9.6	20
144	Approaching Electrochemical Limits of Mg x Cl y z+ Complex-Based Electrolytes for Mg Batteries by Tailoring the Solution Structure. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 160505	3.9	6
143	Reaction of Vinyl Aziridines with Arynes: Synthesis of Benzazepines and Branched Allyl Fluorides. <i>Chemistry - A European Journal</i> , 2020 , 26, 1501-1505	4.8	19
142	The [(NHC)B(H)C F] Cations and Their [B](H)-CO Borane Carbonyls. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21460-21464	16.4	8
141	The [(NHC)B(H)C6F5]+ Cations and Their [B](H)-CO Borane Carbonyls. <i>Angewandte Chemie</i> , 2020 , 132, 21644-21648	3.6	3
140	Reductive Cleavage of the CO Molecule by a Reactive Vicinal Frustrated PH/BH Lewis Pair. <i>Journal of the American Chemical Society</i> , 2020 , 142, 17260-17264	16.4	14
139	Mild C# Activation in Perfluorinated Arenes through Photosensitized Insertion of Isonitriles at 350 nm. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 376-383	5.6	2
138	Using the Secondary PH/BH Functional Groups of an Active Geminal Frustrated Lewis Pair for Carbon Monoxide Reduction and Reactions with Nitriles and Isonitriles. <i>Angewandte Chemie</i> , 2020 , 132, 12577-12583	3.6	5
137	Multi-Component Synthesis of Rare 1,3-Dihydro-1,3-azaborinine Derivatives: Application of a Bora-Nazarov Type Reaction. <i>Angewandte Chemie</i> , 2019 , 131, 15521-15524	3.6	2
136	Hydrogen Atom Transfer Induced Boron Retaining Coupling of Organoboronic Esters and Organolithium Reagents. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14126-14130	16.4	29
135	Reversible CO2 fixation by N-heterocyclic imines forming water-stable zwitterionic nitrogen-based CO2 adducts. <i>Green Chemistry</i> , 2019 , 21, 640-648	10	20
134	Inverting Small Molecule-Protein Recognition by the Fluorine Gauche Effect: Selectivity Regulated by Multiple H-F Bioisosterism. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10990-10994	16.4	16
133	Synthesis, structural characterisation, and synthetic application of stable seleniranium ions. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 3181-3185	3.9	5
132	Palladiumkatalysierte decarboxylierende Arylierung: Ein Zugang zu tetrasubstituierten chiralen Allenen. <i>Angewandte Chemie</i> , 2019 , 131, 6616-6620	3.6	6

131	Palladium-Catalyzed Decarboxylative α Arylation for the Synthesis of Tetrasubstituted Chiral Allenes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6545-6548	16.4	20
130	Trendbericht Organische Chemie. <i>Nachrichten Aus Der Chemie</i> , 2019 , 67, 46-78	0.1	0
129	Multi-Component Synthesis of Rare 1,3-Dihydro-1,3-azaborinine Derivatives: Application of a Bora-Nazarov Type Reaction. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15377-15380	16.4	9
128	Carbon-carbon bond forming reactions of acetylenic esters and ketones within frustrated phosphane/borane Lewis pair frameworks. <i>Dalton Transactions</i> , 2019 , 48, 11921-11926	4.3	3
127	Geometric E-Z Isomerisation of Alkenyl Silanes by Selective Energy Transfer Catalysis: Stereodivergent Synthesis of Triarylethylenes via a Formal anti-Metallometallation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18619-18626	16.4	34
126	Formation of an NHC-stabilized heterocyclic housane and its isomerization into a cyclopentenyl anion analogue. <i>Chemical Communications</i> , 2019 , 55, 12896-12899	5.8	4
125	Facile Access to an NHC-Coordinated Silicon Ring Compound with a Si=N Group and a Two-Coordinate Silicon Atom. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4395-4399	16.4	18
124	Bioinspired Radical Stetter Reaction: Radical Umpolung Enabled by Ion-Pair Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1208-1212	16.4	80
123	Synthese einer NHC-koordinierten Siliciumringverbindung mit Si=N-Gruppe und einem zweifachkoordinierten Siliciumatom. <i>Angewandte Chemie</i> , 2019 , 131, 4440-4444	3.6	3
122	Trendbericht Organische Chemie 2017. <i>Nachrichten Aus Der Chemie</i> , 2018 , 66, 249-280	0.1	
121	Formation of Reactive α Conjugated Frustrated N/B Pairs by Borane-Induced Propargyl Amine Rearrangement. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3635-3643	16.4	24
120	Nucleophilic Activation of Sulfur Hexafluoride: Metal-Free, Selective Degradation by Phosphines. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 4951-4955	16.4	40
119	Reaction Selectivity in On-Surface Chemistry by Surface Coverage Control-Alkyne Dimerization versus Alkyne Trimerization. <i>Chemistry - A European Journal</i> , 2018 , 24, 15303-15308	4.8	9
118	Remote C-H functionalization using radical translocating arylating groups. <i>Nature Communications</i> , 2018 , 9, 2808	17.4	40
117	Transition Metal-Free 1,2-Carboboration of Unactivated Alkenes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6221-6225	16.4	118
116	Metal-Free Radical Borylation of Alkyl and Aryl Iodides. <i>Angewandte Chemie</i> , 2018 , 130, 17074-17078	3.6	35
115	Auranthine, a Benzodiazepinone from <i>Penicillium aurantiogriseum</i> : Refined Structure, Absolute Configuration, and Cytotoxicity. <i>Journal of Natural Products</i> , 2018 , 81, 2177-2186	4.9	11
114	Hierarchical Self-Assembly of BODIPY Dyes as a Tool to Improve the Antitumor Activity of Capsaicin in Prostate Cancer. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 17235-17239	16.4	26

113	Metal-Free Radical Borylation of Alkyl and Aryl Iodides. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16832-16836	16.4	109
112	Crystalline, room-temperature stable phosphine-SO adducts: generation of sulfur monoxide from sulfur dioxide. <i>Dalton Transactions</i> , 2018 , 47, 10420-10424	4.3	16
111	Cooperative nanoparticle H-type self-assembly of a bolaamphiphilic BODIPY derivative in aqueous medium. <i>Polymer</i> , 2017 , 128, 317-324	3.9	19
110	Facile Modulation of FLP Properties: A Phosphinylvinyl Grignard Reagent and Ga/P- and In/P -Based Frustrated Lewis Pairs. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3094-3097	16.4	30
109	Small Molecule Activation with N,NR-MIC Platinum Complexes. <i>Chemistry - A European Journal</i> , 2017 , 23, 5943-5947	4.8	10
108	Organische Chemie 2016. <i>Nachrichten Aus Der Chemie</i> , 2017 , 65, 266-304	0.1	
107	Radical-polar crossover reactions of vinylboron ate complexes. <i>Science</i> , 2017 , 355, 936-938	33.3	169
106	Intermolecular On-Surface Bond Metathesis. <i>Journal of the American Chemical Society</i> , 2017 , 139, 7012-7019	32	
105	Notizen aus der Chemie. <i>Nachrichten Aus Der Chemie</i> , 2017 , 65, 518-521	0.1	
104	Stable Bromiranium Ions with Weakly-Coordinating Counterions as Efficient Electrophilic Brominating Agents. <i>Chemistry - A European Journal</i> , 2017 , 23, 11578-11586	4.8	14
103	Synthesis of (Pentafluorosulfanyl)- and (Trifluoromethyl)-Substituted Carboxylic Acid Derivatives by Ireland-Claisen Rearrangement. <i>Journal of Organic Chemistry</i> , 2017 , 82, 1638-1648	4.2	12
102	Radical Hydrodehalogenation of Aryl Bromides and Chlorides with Sodium Hydride and 1,4-Dioxane. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13275-13278	16.4	41
101	Radikalische Hydrodehalogenierung von Arylbromiden und -chloriden mit Natriumhydrid und 1,4-Dioxan. <i>Angewandte Chemie</i> , 2017 , 129, 13459-13462	3.6	9
100	Diradikaloid oder zwitterionischer Charakter: die ungesättigte Verbindung [Si4{N(SiMe3)Dipp}4] mit gefaltetem Si4-Strukturmotiv. <i>Angewandte Chemie</i> , 2017 , 129, 14054-14059	3.6	10
99	Diradicaloid or Zwitterionic Character: The Non-Tetrahedral Unsaturated Compound [Si {N(SiMe)Dipp}] with a Butterfly-type Si Substructure. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13866-13871	16.4	16
98	Ultra-high cycling stability of poly(vinylphenothiazine) as a battery cathode material resulting from Interactions. <i>Energy and Environmental Science</i> , 2017 , 10, 2334-2341	35.4	130
97	From Additivity to Cooperativity in Chemistry: Can Cooperativity Be Measured?. <i>Chemistry - A European Journal</i> , 2017 , 23, 5864-5873	4.8	33
96	Emulating Natural Product Conformation by Cooperative, Non-Covalent Fluorine Interactions. <i>Chemistry - A European Journal</i> , 2017 , 23, 6142-6149	4.8	27

95	Tris(imidazolin-2-ylidenamino)phosphine: A Crystalline Phosphorus(III) Superbase That Splits Carbon Dioxide. <i>Chemistry - A European Journal</i> , 2017 , 23, 5929-5933	4.8	50
94	Influence of Ester versus Amide Linkers on the Supramolecular Polymerization Mechanisms of Planar BODIPY Dyes. <i>Chemistry - A European Journal</i> , 2016 , 22, 15772-15777	4.8	47
93	On-Surface Domino Reactions: Glaser Coupling and Dehydrogenative Coupling of a Biscarboxylic Acid To Form Polymeric Bisacylperoxides. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9777-82	16.4	39
92	Formation of Thermally Robust Frustrated Lewis Pairs by Electrocyclic Ring Closure Reactions. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5526-30	16.4	26
91	Reaction between Azidyl Radicals and Alkynes: A Straightforward Approach to NH-1,2,3-Triazoles. <i>Chemistry - A European Journal</i> , 2016 , 22, 911-5	4.8	22
90	Phospha-Claisen Type Reactions at Frustrated Lewis Pair Frameworks. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8554-9	16.4	17
89	Formation of Thermally Robust Frustrated Lewis Pairs by Electrocyclic Ring Closure Reactions. <i>Angewandte Chemie</i> , 2016 , 128, 5616-5620	3.6	9
88	Ortho-Trialkylstanny Arylphosphanes by C-P and C-Sn Bond Formation in Arynes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 802-6	16.4	39
87	Reversible Carbon Dioxide Binding by Simple Lewis Base Adducts with Electron-Rich Phosphines. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1840-3	16.4	85
86	Ortho-Trialkylstannylarylphosphane Über C-P- und C-Sn-Bindungsknüpfung in Arinen. <i>Angewandte Chemie</i> , 2016 , 128, 813-817	3.6	9
85	Radical Hydrodeiodination of Aryl, Alkenyl, Alkynyl, and Alkyl Iodides with an Alcoholate as Organic Chain Reductant through Electron Catalysis. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6749-52	16.4	58
84	Generation of Aryl Radicals through Reduction of Hypervalent Iodine(III) Compounds with TEMPONA: Radical Alkene Oxyarylation. <i>Chemistry - A European Journal</i> , 2016 , 22, 3485-3490	4.8	39
83	Radical Hydrodeiodination of Aryl, Alkenyl, Alkynyl, and Alkyl Iodides with an Alcoholate as Organic Chain Reductant through Electron Catalysis. <i>Angewandte Chemie</i> , 2016 , 128, 6861-6864	3.6	23
82	Oberflächen-Dominoreaktion: Glaser-Kupplung und dehydrierende Kupplung von Dicarbonsäuren unter Bildung eines polymeren Bisacylperoxids. <i>Angewandte Chemie</i> , 2016 , 128, 9929-9934	3.6	7
81	Sulfonium Ylides by (3+2) Cycloaddition of Arynes with Vinyl Sulfides: Stereoselective Synthesis of Highly Substituted Alkenes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14435-14438	16.4	73
80	Versatile Cp*Rh(III)-Catalyzed Selective Ortho-Chlorination of Arenes and Heteroarenes. <i>ACS Catalysis</i> , 2016 , 6, 7839-7843	13.1	43
79	BCH acidity of alkyl-B(CF) compounds - the role of stabilized borata-alkene formation in frustrated Lewis pair chemistry. <i>Chemical Science</i> , 2015 , 6, 816-825	9.4	54
78	Trisubstituted Boroles by 1,1-Carbaboration. <i>Organometallics</i> , 2015 , 34, 4205-4208	3.8	20

77	Cation-π-Interactions in iminium ion activation: correlating quadrupole moment & enantioselectivity. <i>Chemical Communications</i> , 2015 , 51, 5322-5	5.8	23
76	Stereoselective Lewis base catalyzed formal 1,3-dipolar cycloaddition of azomethine imines with mixed anhydrides. <i>Chemical Science</i> , 2015 , 6, 1252-1257	9.4	50
75	Observation of a thermally induced Bora-Nazarov cyclization at a phosphole framework. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12366-9	16.4	10
74	C-F Activation in Perfluorinated Arenes with Isonitriles under UV-Light Irradiation. <i>Chemistry - A European Journal</i> , 2015 , 21, 12295-8	4.8	18
73	Functionalization of Intramolecular Frustrated Lewis Pairs by 1,1-Carboboration with Conjugated Enynes. <i>Chemistry - A European Journal</i> , 2015 , 21, 12456-64	4.8	18
72	Observation of a Thermally Induced Bora-Nazarov Cyclization at a Phosphole Framework. <i>Angewandte Chemie</i> , 2015 , 127, 12543-12546	3.6	2
71	Subsystem-DFT potential-energy curves for weakly interacting systems. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 14323-41	3.6	26
70	TEMPO-mediated homocoupling of aryl Grignard reagents: mechanistic studies. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 2762-7	3.9	17
69	Computational study of structural properties of lithium cation complexes with carbamate-modified disiloxanes. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 14236-43	3.6	5
68	Influence of the substitution and conformation of C-H-bond-based bis-triazole acceptors in anion-binding catalysis. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 2178-86	4.5	18
67	Decarboxylative polymerization of 2,6-naphthalenedicarboxylic acid at surfaces. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9658-63	16.4	89
66	Chiral helical oligotriazoles: new class of anion-binding catalysts for the asymmetric dearomatization of electron-deficient N-heteroarenes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13999-4002	16.4	93
65	Thymine and adenine tetrads formed on anisotropic metal surfaces. <i>Small</i> , 2014 , 10, 265-70	11	6
64	Nichtbindende Wechselwirkungen in der Organokatalyse: Modulierung konformativer Diversität und Reaktivität im MacMillan-Katalysator. <i>Angewandte Chemie</i> , 2013 , 125, 8125-8129	3.6	24
63	6-Trifluoromethyl-phenanthridines through radical trifluoromethylation of isonitriles. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10792-5	16.4	284
62	Remarkable behavior of a bifunctional alkynylborane zirconocene complex toward donor ligands and acetylenes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 17444-56	16.4	26
61	"Click" bis-triazoles as neutral C-Hπ-anion-acceptor organocatalysts. <i>Chemistry - A European Journal</i> , 2013 , 19, 1581-5	4.8	44
60	Cooperative N-Heterocyclic Carbene (NHC) and Ruthenium Redox Catalysis: Oxidative Esterification of Aldehydes with Air as the Terminal Oxidant. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, 1098-1106	5.6	102

59	Enantioselective, desymmetrizing bromolactonization of alkynes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8133-6	16.4	107
58	Noncovalent interactions in organocatalysis: modulating conformational diversity and reactivity in the MacMillan catalyst. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7967-71	16.4	53
57	6-Trifluoromethyl-Phenanthridines through Radical Trifluoromethylation of Isonitriles. <i>Angewandte Chemie</i> , 2013 , 125, 10992-10995	3.6	77
56	Synthesis of complexes containing an anionic NHC ligand with an unsubstituted ring-nitrogen atom. <i>Chemistry - A European Journal</i> , 2012 , 18, 14594-8	4.8	69
55	Theoretical analysis of cooperative effects of small molecule activation by frustrated Lewis pairs. <i>Dalton Transactions</i> , 2012 , 41, 9111-8	4.3	35
54	Hydrogen Activation by an Intramolecular Boron Lewis Acid/Zirconocene Pair. <i>Angewandte Chemie</i> , 2012 , 124, 8960-8963	3.6	13
53	Investigating inclusion complexes using quantum chemical methods. <i>Chemical Society Reviews</i> , 2012 , 41, 3119-28	58.5	58
52	Silylum ion-catalyzed challenging Diels-Alder reactions: the danger of hidden proton catalysis with strong Lewis acids. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4421-8	16.4	87
51	Accurate Computation of Structures and Strain Energies of Cyclophanes with Modern DFT Methods. <i>Israel Journal of Chemistry</i> , 2012 , 52, 180-192	3.4	32
50	Nukleophile Addition von Enolen und Enaminen an H^+ ungesättigte Acylazoliumionen: Mechanistische Studien. <i>Angewandte Chemie</i> , 2012 , 124, 5325-5329	3.6	34
49	Nucleophilic addition of enols and enamines to H^+ unsaturated acyl azoliums: mechanistic studies. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 5234-8	16.4	90
48	Hydrogen activation by an intramolecular boron Lewis acid/zirconocene pair. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 8830-3	16.4	43
47	Binding of molecular magnesium hydrides to a zirconocene-ene template. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 8846-9	16.4	23
46	Palladium and platinum complexes of a benzannulated N-heterocyclic plumbylene with an unusual bonding mode. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11118-20	16.4	58
45	A unique transition metal-stabilized silicon cation. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12442-4	16.4	64
44	Radical-transfer hydroamination of olefins with N-aminated dihydropyridines. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 1197-209	4.5	45
43	Developing a Reliable Synthetic Route to cis-1,3-Bridge-Disubstituted [3]Ferrocenophane Systems. <i>Organometallics</i> , 2010 , 29, 3852-3861	3.8	6
42	Inclusion complexes of buckycatcher with C(60) and C(70). <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 7091-7	3.6	95

41	Experimental and Theoretical Conformational Analysis of 5-Benzylimidazolidin-4-one Derivatives — a Playground for Studying Dispersion Interactions and a Windshield-Wiper Effect in Organocatalysis. <i>Helvetica Chimica Acta</i> , 2010 , 93, 1-16	2	57
40	When do interacting atoms form a chemical bond? Spectroscopic measurements and theoretical analyses of dideuteriophenanthrene. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2592-5	16.4	115
39	Evidence for a rapid degenerate hetero-Cope-type rearrangement in $[\text{Cp}^*\text{W}(\text{S})\text{2S}-\text{CH}_2-\text{CH}=\text{CH}_2]$. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 1830-1833	4.5	1
38	Analysis of non-covalent interactions in (bio)organic molecules using orbital-partitioned localized MP2. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 3327-34	3.6	51
37	Stereoselective alcohol silylation by dehydrogenative Si-O coupling: scope, limitations, and mechanism of the cu-h-catalyzed non-enzymatic kinetic resolution with silicon-stereogenic silanes. <i>Chemistry - A European Journal</i> , 2008 , 14, 11512-28	4.8	71
36	Calculation of conformational energies and optical rotation of the most simple chiral alkane. <i>Chirality</i> , 2008 , 20, 1009-15	2.1	33
35	Titanocene catalyzed opening of oxetanes. <i>Tetrahedron</i> , 2008 , 64, 11839-11845	2.4	30
34	Structure and binding energies of the porphine dimer. <i>Molecular Physics</i> , 2007 , 105, 2793-2798	1.7	30
33	Mechanism of titanocene-mediated epoxide opening through homolytic substitution. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1359-71	16.4	121
32	Radical transfer hydroamination with aminated cyclohexadienes using polarity reversal catalysis: scope and limitations. <i>Journal of the American Chemical Society</i> , 2007 , 129, 4498-503	16.4	139
31	Highly diastereoselective lithiation and substitution of an (S)-prolinyl thiocarbamate via sterically homogeneous lithio(thiocarbamate): synthesis of enantiomerically pure prolinethiols. <i>Chemistry - A European Journal</i> , 2007 , 13, 6419-29	4.8	10
30	Homolytic substitution at phosphorus for the synthesis of alkyl and aryl phosphanes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 6533-6	16.4	56
29	Density functional theory with dispersion corrections for supramolecular structures, aggregates, and complexes of (bio)organic molecules. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 741-58	3.9	636
28	Noncovalent Interactions between Graphene Sheets and in Multishell (Hyper)Fullerenes. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11199-11207	3.8	203
27	Oligoethylene chains terminated by ferrocenyl end groups: synthesis, structural properties, and two-dimensional self-assembly on surfaces. <i>Chemistry - A European Journal</i> , 2006 , 12, 1618-28	4.8	34
26	Experimental and theoretical characterization of the valence isomerization of Bi-2H-azirin-2-yls to diazenzenes. <i>Chemistry - A European Journal</i> , 2006 , 12, 7467-81	4.8	9
25	Elucidation of the mechanism of titanocene-mediated epoxide opening by a combined experimental and theoretical approach. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2041-4	16.4	80
24	Elucidation of the Mechanism of Titanocene-Mediated Epoxide Opening by a Combined Experimental and Theoretical Approach. <i>Angewandte Chemie</i> , 2006 , 118, 2095-2098	3.6	26

23	Consistent theoretical description of 1,3-dipolar cycloaddition reactions. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 2583-6	2.8	89
22	Reaction of Rosenthal's Zirconacyclocumulenes with Chlorophosphines. <i>Organometallics</i> , 2005 , 24, 4742-4746	3.8	14
21	Simple and complex lattices of N-alkyl fatty acid amides on a highly oriented pyrolytic graphite surface. <i>Langmuir</i> , 2005 , 21, 1364-70	4	25
20	Phase behavior of 2,3-disubstituted methyl octadecanoate monolayers at the air-water interface. <i>Langmuir</i> , 2005 , 21, 3376-83	4	4
19	A Radical Roundabout for an Unprecedented Tandem Reaction Including a Homolytic Substitution with a Titanium-Oxygen Bond. <i>European Journal of Organic Chemistry</i> , 2004 , 2004, 2337-2351	3.2	54
18	Evidence for a Carbon-Carbon Coupling Reaction To Proceed through a Planar-Tetracoordinate Carbon Intermediate. <i>Organometallics</i> , 2004 , 23, 4391-4395	3.8	34
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16	Eine radikalische Tandemreaktion mit homolytischer Substitution an einer Titan-Sauerstoff-Bindung. <i>Angewandte Chemie</i> , 2003 , 115, 3815-3818	3.6	37
15	A radical tandem reaction with homolytic cleavage of a Ti-O bond. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3687-90	16.4	92
14	Tris(pentafluorophenyl)borane adducts of substituted imidazoles: conformational features and chemical behavior upon deprotonation. <i>Dalton Transactions</i> , 2003 , 1337-1344	4.3	31
13	Syntheses, crystal structures and vibrational properties of Rb ₄ Si ₄ S ₁₀ and Rb ₄ Si ₄ Se ₁₀ . <i>Solid State Sciences</i> , 2002 , 4, 641-650	3.4	5
12	Planar-chiral (2E,7Z)- and (2Z,7E)-cyclonona-2,7-dien-1-yl carbamates by asymmetric, bis-allylic, alpha, alpha'-cycloalkylation--studies on their conformational stability. <i>Chemistry - A European Journal</i> , 2002 , 8, 1833-42	4.8	19
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10	Structural isomers of C ₂₀ revisited: the cage and bowl are almost isoenergetic. <i>ChemPhysChem</i> , 2002 , 3, 207-9	3.2	37
9	Diastereoselective Diels-Alder reactions of alpha-fluorinated alpha,beta-unsaturated carbonyl compounds: chemical consequences of fluorine substitution. 2. <i>Journal of Organic Chemistry</i> , 2002 , 67, 4715-21	4.2	54
8	Addition of Dihalocarbenes to Vinyl Fluorides. Chemical Consequences of Fluorine Substitution. Part 3. <i>Collection of Czechoslovak Chemical Communications</i> , 2002 , 67, 1493-1504	4	
7	Trimethylsilyl- and trimethylstannyldimethylphosphane--convenient and versatile reagents for the synthesis of polyfluoroaryldimethylphosphanes. <i>Chemistry - A European Journal</i> , 2000 , 6, 4612-22	4.8	24
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LIST OF PUBLICATIONS

5	Theoretical prediction of the stability and intramolecular rearrangement reactions of heteroanalogues of cyclopropylcarbene: 2-oxiranyl-, 2-aziridinyl-, and 1-aziridinylcarbene. <i>Journal of Organic Chemistry</i> , 2000 , 65, 1366-75	4.2	8
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3	Carbolithiation of cinnamyl methyl ethers and 2-cinnamyl-2-methyl-1,3-dioxolane: High diastereoselectivity after electrophilic substitution. <i>Tetrahedron</i> , 1999 , 55, 2609-2624	2.4	19
2	On the reason for opposite diastereoselectivities of benzyllithium compounds containing lithium amide and lithium alkoxide functionalities. <i>Tetrahedron</i> , 1996 , 52, 10025-10042	2.4	19
1	The Mechanism of Epoxide Opening through Electron Transfer: Experiment and Theory in Concert	39-69	19