## Mu-Hyun Baik

# 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.

8,467 80 235 52 h-index g-index citations papers 9,852 6.43 11 257 L-index ext. citations ext. papers avg, IF

#	Paper	IF	Citations
235	Rearrangements of the Chrysanthenol Core: Application to a Formal Synthesis of Xishacorene B. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 20482-20490	16.4	1
234	Switching Chemoselectivity Based on the Ring Size: How to Make Ring-Fused Indoles Using Transition-Metal-Mediated Cross-Coupling. <i>ACS Catalysis</i> , <b>2021</b> , 11, 12821-12832	13.1	О
233	Reaction of a Molybdenum Bis(dinitrogen) Complex with Carbon Dioxide: A Combined Experimental and Computational Investigation. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 7708-7718	5.1	1
232	Protecting Benzylic C?H Bonds by Deuteration Doubles the Operational Lifetime of Deep-Blue Ir-Phenylimidazole Dopants in Phosphorescent OLEDs. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100630	8.1	17
231	Mechanistic Study of Metal <b>l</b> igand Cooperativity in Mn(II)-Catalyzed Hydroborations: Hemilabile SNS Ligand Enables Metal Hydride-Free Reaction Pathway. <i>ACS Catalysis</i> , <b>2021</b> , 11, 9043-9051	13.1	9
230	Calculation-Assisted Stereochemical Analysis of Securingine A. <i>Bulletin of the Korean Chemical Society</i> , <b>2021</b> , 42, 486-488	1.2	1
229	Diastereoselective Rhodium-Catalyzed [(3+2+2)] Carbocyclization Reactions with Tethered Alkynylidenecyclopropanes: Synthesis of the Tremulane Sesquiterpene Natural Products. <i>Asian Journal of Organic Chemistry</i> , <b>2021</b> , 10, 2174-2183	3	O
228	Purely organic phosphorescent organic light emitting diodes using alkyl modified phenoselenazine. Journal of Materials Chemistry C, <b>2021</b> , 9, 8233-8238	7.1	5
227	The mechanism behind enhanced reactivity of unsaturated phosphorus(v) electrophiles towards thiols. <i>Chemical Science</i> , <b>2021</b> , 12, 8141-8148	9.4	1
226	Ruthenium(ii)-catalyzed regioselective direct C4- and C5-diamidation of indoles and mechanistic studies. <i>Chemical Science</i> , <b>2021</b> , 12, 11427-11437	9.4	4
225	Ni-Catalyzed Intermolecular C(sp3)日 Amidation Tuned by Bidentate Directing Groups. <i>ACS Catalysis</i> , <b>2021</b> , 11, 3067-3072	13.1	7
224	Controlled Regulation of the Nitrile Activation of a Peroxocobalt(III) Complex with Redox-Inactive Lewis Acidic Metals. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 11382-11392	16.4	4
223	Phosphorus-Atom Transfer from Phosphaethynolate to an Alkylidyne. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 24411-24417	16.4	1
222	Experimental and Computational Studies on the Ruthenium-Catalyzed Dehydrative C-H Coupling of Phenols with Aldehydes for the Synthesis of 2-Alkylphenol, Benzofuran, and Xanthene Derivatives. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 13428-13440	16.4	5
221	Chiral Brfisted acid-controlled intermolecular asymmetric [2 + 2] photocycloadditions. <i>Nature Communications</i> , <b>2021</b> , 12, 5735	17.4	9
220	Copper-Catalyzed Enantiotopic-Group-Selective Allylation of -Diborylalkanes. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 1069-1077	16.4	16
219	Understanding the mechanism of direct visible-light-activated [2 + 2] cycloadditions mediated by Rh and Ir photocatalysts: combined computational and spectroscopic studies. <i>Chemical Science</i> , <b>2021</b> , 12, 9673-9681	9.4	7

### (2020-2021)

218	Allene C(sp)-H Activation and Alkenylation Catalyzed by Palladium <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 21705-21712	16.4	2
217	Naphthalene diimide as a two-electron anolyte for aqueous and neutral pH redox flow batteries. Journal of Materials Chemistry A, <b>2020</b> , 8, 11218-11223	13	14
216	Ancillary ligand increases the efficiency of heteroleptic Ir-based triplet emitters in OLED devices. <i>Nature Communications</i> , <b>2020</b> , 11, 2292	17.4	13
215	Multifaceted examination of multielectron transfer reactions. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 510, 1197	4 <u>6</u> .7	
214	Supramolecular Fullerene Tetramers Concocted with Porphyrin Boxes Enable Efficient Charge Separation and Delocalization. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 12596-12601	16.4	16
213	Dual Mode Radiative Transition from a Phenoselenazine Derivative and Electrical Switching of the Emission Mechanism. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 5591-5600	6.4	13
212	ZnMe-Mediated, Direct Alkylation of Electron-Deficient N-Heteroarenes with 1,1-Diborylalkanes: Scope and Mechanism. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 13235-13245	16.4	17
211	C-H/C-C Functionalization Approach to N-Fused Heterocycles from Saturated Azacycles. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 13041-13050	16.4	12
210	The Mechanism of Rhodium-Catalyzed Allylic C-H Amination. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 5842-5851	16.4	34
209	Scope and mechanism of nitrile dihydroboration mediated by a	5.8	21
208	Oxidation of Cymantrene-Tagged Tamoxifen Analogues: Effect of Diphenyl Functionalization on the Redox Mechanism. <i>Organometallics</i> , <b>2020</b> , 39, 679-687	3.8	3
207	Optical and Fluorescent Dual Sensing of Aminoalcohols by in Situ Generation of BODIPY-like Chromophore. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 4975-4979	16.4	14
206	Minimalistic Principles for Designing Small Molecules with Multiple Reactivities against Pathological Factors in Dementia. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 8183-8193	16.4	10
205	Nickel-Catalyzed Anionic Cross-Coupling Reaction of Lithium Sulfonimidoyl Alkylidene Carbenoids With Organolithiums. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 2914-2926	4.8	4
204	Peroxocobalt(iii) species activates nitriles via a superoxocobalt(ii) diradical state. <i>Dalton Transactions</i> , <b>2020</b> , 49, 2819-2826	4.3	2
203	Unexpected Selectivity of Intramolecular [3+2] Cycloaddition of Trimethylenemethane (TMM) Diyl toward Total Synthesis of Conidiogenone B. <i>European Journal of Organic Chemistry</i> , <b>2020</b> , 2020, 609-61	7 <sup>3.2</sup>	3
202	Direct Stereoconvergent Allylation of Chiral Alkylcopper Nucleophiles with Racemic Allylic Phosphates. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 2592-2596	4.8	5
201	Electro-inductive effect: Electrodes as functional groups with tunable electronic properties. <i>Science</i> , <b>2020</b> , 370, 214-219	33.3	34

200	The electronic structure of a ₩iketiminate manganese hydride dimer. <i>Dalton Transactions</i> , <b>2020</b> , 49, 14463-14474	4.3	3
199	Ligand-Controlled Product Selectivity in Electrochemical Carbon Dioxide Reduction Using Manganese Bipyridine Catalysts. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 4265-4275	16.4	57
198	Designing a Planar Chiral Rhodium Indenyl Catalyst for Regio- and Enantioselective Allylic C-H Amidation. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 13996-14004	16.4	52
197	Reductive activation of Pd-precatalysts via decarboxylation of pivalate in direct C-H arylation reactions. <i>Chemical Communications</i> , <b>2020</b> , 56, 13868-13871	5.8	5
196	Gigantic Porphyrinic Cages. <i>CheM</i> , <b>2020</b> , 6, 3374-3384	16.2	28
195	Cu(I)-Catalyzed Enantioselective [5 + 1] Cycloaddition of N-Aromatic Compounds and Alkynes via Chelating-Assisted 1,2-Dearomative Addition. <i>ACS Catalysis</i> , <b>2020</b> , 10, 10905-10913	13.1	7
194	Multiple reactivities of flavonoids towards pathological elements in Alzheimer's disease: structure-activity relationship. <i>Chemical Science</i> , <b>2020</b> , 11, 10243-10254	9.4	7
193	Tebbe-like and Phosphonioalkylidene and -alkylidyne Complexes of Scandium. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 10143-10152	16.4	8
192	Chemo- and regioselective click reactions through nickel-catalyzed azide-alkyne cycloaddition. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 3374-3381	3.9	13
191	Efficient Cobalt Catalyst for Ambient-Temperature Nitrile Dihydroboration, the Elucidation of a Chelate-Assisted Borylation Mechanism, and a New Synthetic Route to Amides. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 15327-15337	16.4	31
190	Harnessing Secondary Coordination Sphere Interactions That Enable the Selective Amidation of Benzylic C-H Bonds. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 15356-15366	16.4	35
189	Visible light induced alkene aminopyridylation using N-aminopyridinium salts as bifunctional reagents. <i>Nature Communications</i> , <b>2019</b> , 10, 4117	17.4	72
188	Conversion of methane to ethylene using an Ir complex and phosphorus ylide as a methylene transfer reagent. <i>Chemical Communications</i> , <b>2019</b> , 55, 1927-1930	5.8	5
187	CuH-Catalyzed Enantioselective Alkylation of Indole Derivatives with Ligand-Controlled Regiodivergence. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 3901-3909	16.4	70
186	Selective C-C bond formation from rhodium-catalyzed C-H activation reaction of 2-arylpyridines with 3-aryl-2-azirines. <i>Chemical Science</i> , <b>2019</b> , 10, 2678-2686	9.4	13
185	Site-Selective Functionalization of Pyridinium Derivatives via Visible-Light-Driven Photocatalysis with Quinolinone. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 9239-9248	16.4	59
184	Dynamic Kinetic Resolution of Alkenyl Cyanohydrins Derived from 即Insaturated Aldehydes: Stereoselective Synthesis of -Tetrasubstituted Olefins. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 11770-11774	16.4	8
183	Enantioselective [2+2] Cycloadditions of Cinnamate Esters: Generalizing Lewis Acid Catalysis of Triplet Energy Transfer. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 9543-9547	16.4	78

182	Site-Selective 1,1-Difunctionalization of Unactivated Alkenes Enabled by Cationic Palladium Catalysis. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 10048-10059	16.4	55	
181	Living Polymerization Caught in the Act: Direct Observation of an Arrested Intermediate in Metathesis Polymerization. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 10039-10047	16.4	21	
180	Design and Optimization of Catalysts Based on Mechanistic Insights Derived from Quantum Chemical Reaction Modeling. <i>Chemical Reviews</i> , <b>2019</b> , 119, 6509-6560	68.1	71	
179	Catalytic Cascade Reaction To Access Cyclopentane-Fused Heterocycles: Expansion of Pd-TMM Cycloaddition. <i>Organic Letters</i> , <b>2019</b> , 21, 3998-4002	6.2	13	
178	Maximizing Property Tuning of Phosphorus Corrole Photocatalysts through a Trifluoromethylation Approach. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 6184-6198	5.1	20	
177	Carbon Dioxide-Catalyzed Stereoselective Cyanation Reaction. ACS Catalysis, 2019, 9, 6006-6011	13.1	13	
176	The Mechanism of Copper-Catalyzed Trifunctionalization of Terminal Allenes. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 9456-9463	4.8	6	
175	Aldehyde Carboxylation: A Concise DFT Mechanistic Study and a Hypothetical Role of CO2 in the Origin of Life. <i>Synlett</i> , <b>2019</b> , 30, 987-996	2.2	4	
174	One metal is enough: a nickel complex reduces nitrate anions to nitrogen gas. <i>Chemical Science</i> , <b>2019</b> , 10, 4767-4774	9.4	21	
173	Stereoinversion of Unactivated Alcohols by Tethered Sulfonamides. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 1741-1745	3.6	9	
172	Ruthenium catalyzes the synthesis of I-butenolides fused with cyclohexanones. <i>Chemical Communications</i> , <b>2019</b> , 55, 2940-2943	5.8	12	
171	Schrock vs Fischer carbenes: A quantum chemical perspective. <i>Advances in Inorganic Chemistry</i> , <b>2019</b> , 385-443	2.1	4	
170	Disrotatory Ring-Opening of Furans Gives Stereocontrol. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 11061-1	<b>1</b> 41. <b>0</b> 67	3	
169	Positive shift in corrole redox potentials leveraged by modest ICF-substitution helps achieve efficient photocatalytic C-H bond functionalization by group 13 complexes. <i>Dalton Transactions</i> , <b>2019</b> , 48, 12279-12286	4.3	14	
168	Enantioselective Intermolecular Excited-State Photoreactions Using a Chiral Ir Triplet Sensitizer: Separating Association from Energy Transfer in Asymmetric Photocatalysis. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 13625-13634	16.4	71	
167	Mechanism of Palladium-Catalyzed CN Coupling with 1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU) as a Base. <i>ACS Catalysis</i> , <b>2019</b> , 9, 6851-6856	13.1	11	
166	Regioselective Oxidation of C-H Bonds in Unactivated Alkanes by a Vanadium Superoxo Catalyst Bound to a Supramolecular Host. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 16250-16255	5.1	2	
165	How bulky ligands control the chemoselectivity of Pd-catalyzed -arylation of ammonia. <i>Chemical Science</i> , <b>2019</b> , 11, 1017-1025	9.4	10	

164	Brfisted acid catalysis of photosensitized cycloadditions. <i>Chemical Science</i> , <b>2019</b> , 11, 856-861	9.4	25
163	How Many O-Donor Groups in Enterobactin Does It Take to Bind a Metal Cation?. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 6955-6962	4.8	2
162	Gold(I)-Catalyzed Hydroxy Group Assisted C(sp)-H Alkylation of Enaminones with Diazo Compounds To Access 3-Alkyl Chromones. <i>Organic Letters</i> , <b>2019</b> , 21, 335-339	6.2	35
161	Dimerization Strategies for the Synthesis of High-Order Securinega Alkaloids. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 1398-1406	4.2	6
160	Directing Foldamer Self-Assembly with a Cyclopropanoyl Cap. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 2226-2233	4.8	1
159	Stereoinversion of Unactivated Alcohols by Tethered Sulfonamides. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 1727-1731	16.4	34
158	Reductive Carbocyclization of Homoallylic Alcohols to syn-Cyclobutanes by a Boron-Catalyzed Dual Ring-Closing Pathway. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2722-2726	3.6	8
157	Room temperature olefination of methane with titanium-carbon multiple bonds. <i>Chemical Science</i> , <b>2018</b> , 9, 3376-3385	9.4	12
156	Selective formation of ⊡lactams via C-H amidation enabled by tailored iridium catalysts. <i>Science</i> , <b>2018</b> , 359, 1016-1021	33.3	188
155	Catalytic Asymmetric Dearomatization by Visible-Light-Activated [2+2] Photocycloaddition. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 6350-6354	3.6	33
154	Catalytic Asymmetric Dearomatization by Visible-Light-Activated [2+2] Photocycloaddition. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6242-6246	16.4	99
153	Unusual solvent polarity dependent excitation relaxation dynamics of a bis[p-ethynyldithiobenzoato]Pd-linked bis[(porphinato)zinc] complex. <i>Molecular Systems Design and Engineering</i> , <b>2018</b> , 3, 275-284	4.6	1
152	Designing Redox-Stable Cobalt <b>P</b> olypyridyl Complexes for Redox Flow Batteries: Spin-Crossover Delocalizes Excess Charge. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702897	21.8	26
151	Understanding the Origin of the Regioselectivity in Cyclopolymerizations of Diynes and How to Completely Switch It. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 834-841	16.4	19
150	Reductive Carbocyclization of Homoallylic Alcohols to syn-Cyclobutanes by a Boron-Catalyzed Dual Ring-Closing Pathway. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2692-2696	16.4	23
149	Palladium-Catalyzed Divergent Arylation of Triazolopyridines: A Computational Study. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 2505-2510	4.5	2
148	Scorpionate Catalysts for Coupling CO and Epoxides to Cyclic Carbonates: A Rational Design Approach for Organocatalysts. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 9370-9380	4.2	43
147	Amphiphile self-assembly dynamics at the solution-solid interface reveal asymmetry in head/tail desorption. <i>Chemical Communications</i> , <b>2018</b> , 54, 10076-10079	5.8	7

146	One-pot bifunctionalization of unactivated alkenes, P(O) compounds, and N-methoxypyridinium salts for the construction of pyridyl alkylphosphonates. <i>Organic Chemistry Frontiers</i> , <b>2018</b> , 5, 2595-2603	3 <sup>5.2</sup>	15
145	Experimental and Computational Study of the (Z)-Selective Formation of Trisubstituted Olefins and Benzo-Fused Oxacycles from the Ruthenium-Catalyzed Dehydrative C-H Coupling of Phenols with Ketones. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 10289-10296	16.4	17
144	C-H Bond Addition across a Transient Uranium-Nitrido Moiety and Formation of a Parent Uranium Imido Complex. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11335-11340	16.4	32
143	Conjugate Addition of Perfluoroarenes to 即Insaturated Carbonyls Enabled by an Alkoxide-Hydrosilane System: Implication of a Radical Pathway. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 9659-9668	16.4	13
142	Oxidation of Cymantrene Analogues of Ferrocifen: Electrochemical, Spectroscopic, and Computational Studies of the Parent Complex 1,1?-Diphenyl-2-cymantrenylbutene. <i>Organometallics</i> , 2018, 37, 1910-1918	3.8	6
141	Stereoselective construction of sterically hindered oxaspirocycles chiral bidentate directing group-mediated C(sp)-O bond formation. <i>Chemical Science</i> , <b>2018</b> , 9, 1473-1480	9.4	23
140	Iridium-catalysed arylation of C-H bonds enabled by oxidatively induced reductive elimination. <i>Nature Chemistry</i> , <b>2018</b> , 10, 218-224	17.6	109
139	Living Metathesis and Metallotropy Polymerization Gives Conjugated Polyenynes from Multialkynes: How to Design Sequence-Specific Cascades for Polymers. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 16320-16329	16.4	9
138	Catalytic Borylation of Methane: Combining Computational and High-Throughput Screening Approaches to Discover a New Catalyst <b>2018</b> , 337-369		1
137	Pitfalls in Computational Modeling of Chemical Reactions and How To Avoid Them. <i>Organometallics</i> , <b>2018</b> , 37, 3228-3239	3.8	75
136	Palladium-Catalyzed Divergent Cyclopropanation by Regioselective Solvent-Driven C(sp )-H Bond Activation. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 15460-15464	16.4	14
135	Visible-Light-Induced Pyridylation of Remote C(sp )-H Bonds by Radical Translocation of N-Alkoxypyridinium Salts. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 15517-15522	16.4	98
134	Activation of the Basal Plane in Two Dimensional Transition Metal Chalcogenide Nanostructures. Journal of the American Chemical Society, <b>2018</b> , 140, 13663-13671	16.4	24
133	Copper-Mediated Amination of Aryl C-H Bonds with the Direct Use of Aqueous Ammonia via a Disproportionation Pathway. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 14350-14356	16.4	56
132	Visible-Light-Induced Pyridylation of Remote C(sp3)⊞ Bonds by Radical Translocation of N-Alkoxypyridinium Salts. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 15743-15748	3.6	35
131	Rational Design of a Catalyst for the Selective Monoborylation of Methane. ACS Catalysis, 2018, 8, 1002	1 <u>+</u> 3.00	3 <b>1</b> 8
130	Mechanistic study of styrene aziridination by iron(iv) nitrides. Chemical Science, 2018, 9, 8542-8552	9.4	12
129	Thermodynamic kinetic control in substituent redistribution reactions of silylium ions steered by the counteranion. <i>Chemical Science</i> , <b>2018</b> , 9, 5600-5607	9.4	25

128	Rationally Designing Regiodivergent Dipolar Cycloadditions: Frontier Orbitals Show How To Switch between [5 + 3] and [4 + 2] Cycloadditions. <i>ACS Catalysis</i> , <b>2018</b> , 8, 6353-6361	13.1	20
127	Structural elucidation of a mononuclear titanium methylidene. <i>Chemical Communications</i> , <b>2017</b> , 53, 341	5 <sub>5</sub> 38417	7 21
126	Mechanistic Investigation of Bis(imino)pyridine Manganese Catalyzed Carbonyl and Carboxylate Hydrosilylation. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 4901-4915	16.4	75
125	Important role of ancillary ligand in the emission behaviours of blue-emitting heteroleptic Ir(III) complexes. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 4480-4487	7.1	15
124	Synthesis and reactivity of a mononuclear non-haem cobalt(IV)-oxo complex. <i>Nature Communications</i> , <b>2017</b> , 8, 14839	17.4	94
123	Intramolecular Oxyl Radical Coupling Promotes O-O Bond Formation in a Homogeneous Mononuclear Mn-based Water Oxidation Catalyst: A Computational Mechanistic Investigation. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 4436-4446	5.1	26
122	3,5-Diarylimidazo[1,2-a]pyridines as Color-Tunable Fluorophores. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 4352-4361	4.2	16
121	The mechanism of selective catalytic reduction of NO on Cu-SSZ-13 - a computational study. <i>Dalton Transactions</i> , <b>2017</b> , 46, 369-377	4.3	6
120	Chemoselective Coupling of 1,1-Bis[(pinacolato)boryl]alkanes for the Transition-Metal-Free Borylation of Aryl and Vinyl Halides: A Combined Experimental and Theoretical Investigation. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 976-984	16.4	48
119	Enantioselective Excited-State Photoreactions Controlled by a Chiral Hydrogen-Bonding Iridium Sensitizer. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 17186-17192	16.4	112
118	Asymmetric Synthesis of (-)-6'-軒luoro-aristeromycin via Stereoselective Electrophilic Fluorination. <i>Organic Letters</i> , <b>2017</b> , 19, 5732-5735	6.2	7
117	Computer-aided rational design of Fe(III)-catalysts for the selective formation of cyclic carbonates from CO2 and internal epoxides. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 4375-4387	5.5	24
116	Regiodivergent Conjugate Addition Controlled by Rhodium(I) and Palladium(II) Catalysts: A Combined Computational and Experimental Study. <i>Advanced Synthesis and Catalysis</i> , <b>2017</b> , 359, 3160-37	1 <b>7</b> 5	7
115	Room-Temperature Ring-Opening of Quinoline, Isoquinoline, and Pyridine with Low-Valent Titanium. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 12804-12814	16.4	16
114	Ligand-controlled Regiodivergent CH Alkenylation of Pyrazoles and its Application to the Synthesis of Indazoles. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16480-16484	3.6	7
113	Ligand-controlled Regiodivergent C-H Alkenylation of Pyrazoles and its Application to the Synthesis of Indazoles. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16262-16266	16.4	33
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