

Mu-Hyun Baik

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

#	Paper	IF	Citations
235	Mechanistic studies on the hydroxylation of methane by methane monooxygenase. <i>Chemical Reviews</i> , 2003 , 103, 2385-419	68.1	407
234	Computing Redox Potentials in Solution: Density Functional Theory as A Tool for Rational Design of Redox Agents. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 7407-7412	2.8	319
233	Direct nitric oxide detection in aqueous solution by copper(II) fluorescein complexes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14364-73	16.4	237
232	Theoretical study of cisplatin binding to purine bases: why does cisplatin prefer guanine over adenine?. <i>Journal of the American Chemical Society</i> , 2003 , 125, 14082-92	16.4	229
231	Selective formation of β -lactams via C-H amidation enabled by tailored iridium catalysts. <i>Science</i> , 2018 , 359, 1016-1021	33.3	188
230	cis,cis-[(bpy) ₂ RuVO]2O ₄ ⁺ catalyzes water oxidation formally via in situ generation of radicaloid RuIV-O*. <i>Journal of the American Chemical Society</i> , 2006 , 128, 7476-85	16.4	159
229	Peripheral heme substituents control the hydrogen-atom abstraction chemistry in cytochromes P450. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 6998-7002	11.5	138
228	Intermolecular C-H bond activation promoted by a titanium alkylidyne. <i>Journal of the American Chemical Society</i> , 2005 , 127, 16016-7	16.4	119
227	Why is the Ir(III)-Mediated Amido Transfer Much Faster Than the Rh(III)-Mediated Reaction? A Combined Experimental and Computational Study. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14020-14029	16.4	116
226	Dioxygen activation in methane monooxygenase: a theoretical study. <i>Journal of the American Chemical Society</i> , 2004 , 126, 2978-90	16.4	114
225	Enantioselective Excited-State Photoreactions Controlled by a Chiral Hydrogen-Bonding Iridium Sensitizer. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17186-17192	16.4	112
224	Complete Switch of Selectivity in the C-H Alkenylation and Hydroarylation Catalyzed by Iridium: The Role of Directing Groups. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13448-51	16.4	109
223	Iridium-catalysed arylation of C-H bonds enabled by oxidatively induced reductive elimination. <i>Nature Chemistry</i> , 2018 , 10, 218-224	17.6	109
222	Catalytic borylation of methane. <i>Science</i> , 2016 , 351, 1424-7	33.3	108
221	Intermolecular C-H bond activation reactions promoted by transient titanium alkylidynes. Synthesis, reactivity, kinetic, and theoretical studies of the Ti[triple bond]C linkage. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8781-93	16.4	101
220	Catalytic Asymmetric Dearomatization by Visible-Light-Activated [2+2] Photocycloaddition. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6242-6246	16.4	99
219	Visible-Light-Induced Pyridylation of Remote C(sp ³)-H Bonds by Radical Translocation of N-Alkoxypyridinium Salts. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15517-15522	16.4	98

218	Synthesis and reactivity of a mononuclear non-haem cobalt(IV)-oxo complex. <i>Nature Communications</i> , 2017 , 8, 14839	17.4	94
217	Lewis acid stabilized methyldiene and oxoscandium complexes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14438-9	16.4	94
216	A Co ₂ N ₂ diamond-core resting state of cobalt(I): a three-coordinate CoI synthon invoking an unusual pincer-type rearrangement. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 3291-5	16.4	94
215	Stereoselective rhodium-catalyzed [3 + 2 + 1] carbocyclization of alkenyldienecyclopropanes with carbon monoxide: theoretical evidence for a trimethylenemethane metallacycle intermediate. <i>Journal of the American Chemical Society</i> , 2012 , 134, 20569-72	16.4	86
214	Torsionally responsive C ₃ -symmetric azo dyes: azo-hydrazone tautomerism, conformational switching, and application for chemical sensing. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12133-44	16.4	86
213	Theoretical study on the stability of N-glycosyl bonds: why does N7-platination not promote depurination?. <i>Journal of the American Chemical Society</i> , 2002 , 124, 4495-503	16.4	84
212	Pi*-pi* bonding interactions generated by halogen oxidation of zirconium(IV) redox-active ligand complexes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4364-74	16.4	82
211	Enantioselective [2+2] Cycloadditions of Cinnamate Esters: Generalizing Lewis Acid Catalysis of Triplet Energy Transfer. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9543-9547	16.4	78
210	Room temperature dehydrogenation of ethane to ethylene. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10700-3	16.4	77
209	The mechanism of water oxidation catalysis promoted by [tpyRu(IV)=O]2L3+: a computational study. <i>Journal of the American Chemical Society</i> , 2008 , 130, 16231-40	16.4	77
208	Bifunctional binding of cisplatin to DNA: why does cisplatin form 1,2-intrastrand cross-links with ag but not with GA?. <i>Journal of the American Chemical Society</i> , 2007 , 129, 5023-30	16.4	77
207	Mechanistic Investigation of Bis(imino)pyridine Manganese Catalyzed Carbonyl and Carboxylate Hydrosilylation. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4901-4915	16.4	75
206	ESI-MS, DFT, and synthetic studies on the H(2)-mediated coupling of acetylene: insertion of C=X bonds into rhodacyclopentadienes and Brønsted acid cocatalyzed hydrogenolysis of organorhodium intermediates. <i>Journal of the American Chemical Society</i> , 2009 , 131, 16054-62	16.4	75
205	Pitfalls in Computational Modeling of Chemical Reactions and How To Avoid Them. <i>Organometallics</i> , 2018 , 37, 3228-3239	3.8	75
204	A facile approach to a d ⁴ RuN: moiety. <i>Journal of the American Chemical Society</i> , 2005 , 127, 5330-1	16.4	74
203	Visible light induced alkene aminopyridylation using N-aminopyridinium salts as bifunctional reagents. <i>Nature Communications</i> , 2019 , 10, 4117	17.4	72
202	Terminal and four-coordinate vanadium(IV) phosphinidene complexes. A pseudo Jahn-Teller effect of second order stabilizing the V-P multiple bond. <i>Journal of the American Chemical Society</i> , 2004 , 126, 1924-5	16.4	72
201	Design and Optimization of Catalysts Based on Mechanistic Insights Derived from Quantum Chemical Reaction Modeling. <i>Chemical Reviews</i> , 2019 , 119, 6509-6560	68.1	71

- 200 Enantioselective Intermolecular Excited-State Photoreactions Using a Chiral Ir Triplet Sensitizer: Separating Association from Energy Transfer in Asymmetric Photocatalysis. *Journal of the American Chemical Society*, **2019**, 141, 13625-13634 16.4 71
- 199 Room temperature ring-opening metathesis of pyridines by a transient Ti[triple bond]C linkage. *Journal of the American Chemical Society*, **2006**, 128, 6798-9 16.4 71
- 198 CuH-Catalyzed Enantioselective Alkylation of Indole Derivatives with Ligand-Controlled Regiodivergence. *Journal of the American Chemical Society*, **2019**, 141, 3901-3909 16.4 70
- 197 Using Density Functional Theory To Design DNA Base Analogues with Low Oxidation Potentials. *Journal of Physical Chemistry B*, **2001**, 105, 6437-6444 3.4 69
- 196 A planar three-coordinate vanadium(II) complex and the study of terminal vanadium nitrides from N₂: a kinetic or thermodynamic impediment to N-N bond cleavage?. *Journal of the American Chemical Society*, **2012**, 134, 13035-45 16.4 65
- 195 Electronic structure of the water-oxidation catalyst [(bpy)₂(OHx)RuORu(OHy)(bpy)₂]^{z+}: weak coupling between the metal centers is preferred over strong coupling. *Journal of the American Chemical Society*, **2004**, 126, 13222-3 16.4 62
- 194 The mechanism of guanine alkylation by nitrogen mustards: a computational study. *Journal of Organic Chemistry*, **2012**, 77, 5914-21 4.2 61
- 193 Methane activation and exchange by titanium-carbon multiple bonds. *Chemical Science*, **2011**, 2, 1457 9.4 61
- 192 Hydroxylation of methane by non-heme diiron enzymes: molecular orbital analysis of C-H bond activation by reactive intermediate Q. *Journal of the American Chemical Society*, **2002**, 124, 14608-15 16.4 61
- 191 Site-Selective Functionalization of Pyridinium Derivatives via Visible-Light-Driven Photocatalysis with Quinolinone. *Journal of the American Chemical Society*, **2019**, 141, 9239-9248 16.4 59
- 190 Terminal vanadium-neopentylidyne complexes and intramolecular cross-metathesis reactions to generate azametalacyclohexatrienes. *Journal of the American Chemical Society*, **2004**, 126, 10506-7 16.4 59
- 189 Intermolecular C-H bond activation of benzene and pyridines by a vanadium(III) alkylidene including a stepwise conversion of benzene to a vanadium-benzynes complex. *Chemical Science*, **2010**, 1, 351 9.4 58
- 188 Ligand-Controlled Product Selectivity in Electrochemical Carbon Dioxide Reduction Using Manganese Bipyridine Catalysts. *Journal of the American Chemical Society*, **2020**, 142, 4265-4275 16.4 57
- 187 A computational study of the mechanism of the [(salen)Cr + DMAP]-catalyzed formation of cyclic carbonates from CO₂ and epoxide. *Chemical Communications*, **2014**, 50, 2676-8 5.8 56
- 186 Copper-Mediated Amination of Aryl C-H Bonds with the Direct Use of Aqueous Ammonia via a Disproportionation Pathway. *Journal of the American Chemical Society*, **2018**, 140, 14350-14356 16.4 56
- 185 Site-Selective 1,1-Difunctionalization of Unactivated Alkenes Enabled by Cationic Palladium Catalysis. *Journal of the American Chemical Society*, **2019**, 141, 10048-10059 16.4 55
- 184 Dendritic molecular switch: chiral folding and helicity inversion. *Journal of the American Chemical Society*, **2008**, 130, 16812-22 16.4 52
- 183 Density Functional Theory Study of Redox Pairs. 1. Dinuclear Iron Complexes That Undergo Multielectron Redox Reactions Accompanied by a Reversible Structural Change. *Journal of the American Chemical Society*, **2000**, 122, 9143-9154 16.4 52

182	Designing a Planar Chiral Rhodium Indenyl Catalyst for Regio- and Enantioselective Allylic C-H Amidation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13996-14004	16.4	52
181	Alpha,beta-(C-C-C) agostic bonds in transition metal based olefin metathesis catalyses. <i>Dalton Transactions</i> , 2005 , 2982-4	4.3	50
180	Kinetics and thermodynamics of H. transfer from (eta5-C5R5)Cr(CO)3H (R = Ph, Me, H) to methyl methacrylate and styrene. <i>Journal of the American Chemical Society</i> , 2003 , 125, 10093-102	16.4	50
179	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> , 2017 , 139, 976-984	16.4	48
178	Understanding intrinsically irreversible, non-Nernstian, two-electron redox processes: a combined experimental and computational study of the electrochemical activation of platinum(IV) antitumor prodrugs. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8992-9000	16.4	48
177	Theoretical investigation of the metal-metal interaction in dimolybdenum complexes with bridging hydride and methyl ligands. <i>Polyhedron</i> , 2004 , 23, 2879-2900	2.7	47
176	Density functional theory study of redox pairs: 2. Influence of solvation and ion-pair formation on the redox behavior of cyclooctatetraene and nitrobenzene. <i>Journal of the American Chemical Society</i> , 2002 , 124, 11167-81	16.4	47
175	Scorpionate Catalysts for Coupling CO and Epoxides to Cyclic Carbonates: A Rational Design Approach for Organocatalysts. <i>Journal of Organic Chemistry</i> , 2018 , 83, 9370-9380	4.2	43
174	A Transient Vanadium(III) Neopentylidene Complex. Redox Chemistry and Reactivity of the V-CHtBu Functionality. <i>Organometallics</i> , 2009 , 28, 843-852	3.8	43
173	Diastereoselective intermolecular rhodium-catalyzed [4 + 2 + 2] carbocyclization reactions: computational and experimental evidence for the intermediacy of an alternative metallacycle intermediate. <i>Journal of the American Chemical Society</i> , 2005 , 127, 1602-3	16.4	43
172	Mechanistic insight into the diastereoselective rhodium-catalyzed Pauson-Khand reaction: role of coordination number in stereocontrol. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 342-5	16.4	42
171	DL-Proline. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005 , 61, o506-8		42
170	Carbon Dioxide Promoted H(+) Reduction Using a Bis(imino)pyridine Manganese Electrocatalyst. <i>Inorganic Chemistry</i> , 2015 , 54, 4475-82	5.1	41
169	Computationally designed and experimentally confirmed diastereoselective rhodium-catalyzed Pauson-Khand reaction at room temperature. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7621-3	16.4	40
168	How a [Co(IV) a bond and a half O](2+) fragment oxidizes water: involvement of a biradicaloid [Co(II)-(O?)](2+) species in forming the O-O bond. <i>ChemSusChem</i> , 2015 , 8, 844-52	8.3	39
167	[(Salcen)Cr(III) + Lewis base]-catalyzed synthesis of N-aryl-substituted oxazolidinones from epoxides and aryl isocyanates. <i>Chemical Communications</i> , 2014 , 50, 15187-90	5.8	39
166	Spin crossover-coupled electron transfer of [M(tacn)(2)](3+/2+) complexes (tacn = 1,4,7-triazacyclononane; M = Cr, Mn, Fe, Co, Ni). <i>Journal of the American Chemical Society</i> , 2009 , 131, 6189-97	16.4	39
165	Cyanide: a strong-field ligand for ferrohemes and hemoproteins?. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 10144-6	16.4	39

164	Intramolecular ring-opening from a CO-derived nucleophile as the origin of selectivity for 5-substituted oxazolidinone from the (salen)Cr-catalyzed [aziridine + CO] coupling. <i>Chemical Science</i> , 2015 , 6, 1293-1300	9.4	38
163	Synthesis, structure, and electronic properties of monomeric and dimeric trispyrazolylborate platinum(II) hydride complexes. <i>Inorganic Chemistry</i> , 2001 , 40, 4726-32	5.1	38
162	The mechanism of O-O bond formation in Tanaka's water oxidation catalyst. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1221-4	16.4	37
161	A new and selective cycle for dehydrogenation of linear and cyclic alkanes under mild conditions using a base metal. <i>Nature Chemistry</i> , 2017 , 9, 1126-1132	17.6	37
160	Harnessing Secondary Coordination Sphere Interactions That Enable the Selective Amidation of Benzylic C-H Bonds. <i>Journal of the American Chemical Society</i> , 2019 , 141, 15356-15366	16.4	35
159	Cyclo-P[Complexes of Vanadium: Redox Properties and Origin of the Π P NMR Chemical Shift. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15247-61	16.4	35
158	Synthesis and structural characterization of hexacoordinate silicon, germanium, and titanium complexes of the E. coli siderophore enterobactin. <i>Chemistry - A European Journal</i> , 2013 , 19, 10536-42	4.8	35
157	Gold(I)-Catalyzed Hydroxy Group Assisted C(sp)-H Alkylation of Enaminones with Diazo Compounds To Access 3-Alkyl Chromones. <i>Organic Letters</i> , 2019 , 21, 335-339	6.2	35
156	Visible-Light-Induced Pyridylation of Remote C(sp ³)H Bonds by Radical Translocation of N-Alkoxy pyridinium Salts. <i>Angewandte Chemie</i> , 2018 , 130, 15743-15748	3.6	35
155	The Mechanism of Rhodium-Catalyzed Allylic C-H Amination. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5842-5851	16.4	34
154	Redox properties of Tanaka's water oxidation catalyst: redox noninnocent ligands dominate the electronic structure and reactivity. <i>Inorganic Chemistry</i> , 2011 , 50, 5946-57	5.1	34
153	Electro-inductive effect: Electrodes as functional groups with tunable electronic properties. <i>Science</i> , 2020 , 370, 214-219	33.3	34
152	Stereoinversion of Unactivated Alcohols by Tethered Sulfonamides. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1727-1731	16.4	34
151	Catalytic Asymmetric Dearomatization by Visible-Light-Activated [2+2] Photocycloaddition. <i>Angewandte Chemie</i> , 2018 , 130, 6350-6354	3.6	33
150	Ligand-controlled Regiodivergent C-H Alkenylation of Pyrazoles and its Application to the Synthesis of Indazoles. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16262-16266	16.4	33
149	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> , 2018 , 140, 11335-11340	16.4	32
148	A redox non-innocent ligand controls the life time of a reactive quartet excited state - an MCSCF study of [Ni(H)(OH)](+). <i>Journal of the American Chemical Society</i> , 2009 , 131, 12634-42	16.4	32
147	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> , 2019 , 141, 15327-15337	16.4	31

146	Understanding and predicting distorted T- versus Y-geometries for neutral chromous complexes supported by a sterically encumbering beta-diketiminate ligand. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17351-61	16.4	30
145	Chirally directed formation of nanometer-scale proline clusters. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10833-9	16.4	30
144	A unique approach to metal-induced Bergman cyclization: long-range enediyne activation by ligand-to-metal charge transfer. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 592-5	16.4	29
143	The mechanism of the rhodium(I)-catalyzed [2 + 2 + 1] carbocyclization reaction of dienes and CO: a computational study. <i>Journal of the American Chemical Society</i> , 2008 , 130, 5821-30	16.4	28
142	Gigantic Porphyrinic Cages. <i>CheM</i> , 2020 , 6, 3374-3384	16.2	28
141	Mechanism of Rh-Catalyzed Oxidative Cyclizations: Closed versus Open Shell Pathways. <i>Accounts of Chemical Research</i> , 2016 , 49, 1263-70	24.3	27
140	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> , 2017 , 56, 4436-4446	5.1	26
139	Designing Redox-Stable CobaltPolypyridyl Complexes for Redox Flow Batteries: Spin-Crossover Delocalizes Excess Charge. <i>Advanced Energy Materials</i> , 2018 , 8, 1702897	21.8	26
138	Computational study of the binding of CuII to Alzheimer's amyloid-beta peptide: do Abeta42 and Abeta40 bind copper in identical fashion?. <i>Journal of Biological Inorganic Chemistry</i> , 2008 , 13, 1197-204	3.7	26
137	The Electronic Structure of [Mn(V)O]: What is the Connection between Oxyl Radical Character, Physical Oxidation State, and Reactivity?. <i>ACS Catalysis</i> , 2016 , 6, 7202-7216	13.1	25
136	Binary role of an ylide in formation of a terminal methyldene complex of niobium. <i>Chemical Communications</i> , 2014 , 50, 6267-9	5.8	25
135	Copper clusters built on bulky amidinate ligands: spin delocalization via superexchange rather than direct metal-metal bonding. <i>Chemical Communications</i> , 2005 , 1043-5	5.8	25
134	Bristled acid catalysis of photosensitized cycloadditions. <i>Chemical Science</i> , 2019 , 11, 856-861	9.4	25
133	Thermodynamic kinetic control in substituent redistribution reactions of silylium ions steered by the counteranion. <i>Chemical Science</i> , 2018 , 9, 5600-5607	9.4	25
132	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> , 2017 , 7, 4375-4387	5.5	24
131	Studies of the generation and pericyclic behavior of cyclic pentadienyl carbanions. Alkylation reactions as an efficient route to functionalized cis-bicyclo[3.3.0]octenes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 12339-48	16.4	24
130	Activation of the Basal Plane in Two Dimensional Transition Metal Chalcogenide Nanostructures. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13663-13671	16.4	24
129	Reductive Carbocyclization of Homoallylic Alcohols to syn-Cyclobutanes by a Boron-Catalyzed Dual Ring-Closing Pathway. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2692-2696	16.4	23

- 128 Stereoselective construction of sterically hindered oxaspirocycles chiral bidentate directing group-mediated C(sp)-O bond formation. *Chemical Science*, **2018**, 9, 1473-1480 9.4 23
- 127 Synthesis, structure, and properties of low-spin manganese(III)-poly(pyrazolyl)borate complexes. *Inorganic Chemistry*, **2007**, 46, 2596-603 5.1 22
- 126 Structural elucidation of a mononuclear titanium methyldiene. *Chemical Communications*, **2017**, 53, 3415-3417 21
- 125 Living Polymerization Caught in the Act: Direct Observation of an Arrested Intermediate in Metathesis Polymerization. *Journal of the American Chemical Society*, **2019**, 141, 10039-10047 16.4 21
- 124 One metal is enough: a nickel complex reduces nitrate anions to nitrogen gas. *Chemical Science*, **2019**, 10, 4767-4774 9.4 21
- 123 Scope and mechanism of nitrile dihydroboration mediated by a β -diketiminato manganese hydride catalyst. *Chemical Communications*, **2020**, 56, 3959-3962 5.8 21
- 122 Maximizing Property Tuning of Phosphorus Corrole Photocatalysts through a Trifluoromethylation Approach. *Inorganic Chemistry*, **2019**, 58, 6184-6198 5.1 20
- 121 The E. coli siderophores enterobactin and salmochelin form six-coordinate silicon complexes at physiological pH. *Angewandte Chemie - International Edition*, **2011**, 50, 4230-3 16.4 20
- 120 Two-electron redox energetics in ligand-bridged dinuclear molybdenum and tungsten complexes. *Inorganic Chemistry*, **2010**, 49, 4611-9 5.1 20
- 119 Rationally Designing Regiodivergent Dipolar Cycloadditions: Frontier Orbitals Show How To Switch between [5 + 3] and [4 + 2] Cycloadditions. *ACS Catalysis*, **2018**, 8, 6353-6361 13.1 20
- 118 Understanding the Origin of the Regioselectivity in Cyclopolymerizations of Diynes and How to Completely Switch It. *Journal of the American Chemical Society*, **2018**, 140, 834-841 16.4 19
- 117 An experimental and computational analysis of the formation of the terminal nitrido complex ($\eta^3\text{-Cp}^*\text{)}_2\text{Mo}(\text{N})(\text{N}_3)$ by elimination of N_2 from $\text{Cp}^*_2\text{Mo}(\text{N}_3)_2$: the barrier to elimination is strongly influenced by the exo versus endo configuration of the azide ligand. *Journal of the American Chemical Society*, **2021**, 143, 18111-8 16.4 19
- 116 Addition of Si-H and B-H bonds and redox reactivity involving low-coordinate nitrido-vanadium complexes. *Inorganic Chemistry*, **2015**, 54, 3068-77 5.1 18
- 115 Synthetic and Mechanistic Studies of the Ring Opening and Denitrogenation of Pyridine and Picolines by Ti^{IV} Multiple Bonds. *Organometallics*, **2010**, 29, 5409-5422 3.8 18
- 114 Rational Design of a Catalyst for the Selective Monoborylation of Methane. *ACS Catalysis*, **2018**, 8, 10021-10031 18
- 113 ZnMe-Mediated, Direct Alkylation of Electron-Deficient N-Heteroarenes with 1,1-Diborylalkanes: Scope and Mechanism. *Journal of the American Chemical Society*, **2020**, 142, 13235-13245 16.4 17
- 112 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. *Journal of the American Chemical Society*, **2018**, 140, 10289-10296 16.4 17
- 111 Conformational and electronic consequences in crafting extended, π -conjugated, light-harvesting macrocycles. *Chemistry - A European Journal*, **2011**, 17, 14539-51 4.8 17

110	What difference one double bond makes: Electronic structure of saturated and unsaturated n-heterocyclic carbene ligands in Grubbs 2nd generation-type catalysts. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 5505-5512	2.3	17
109	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> , 2021 , 9, 2100630	8.1	17
108	3,5-Diarylimidazo[1,2-a]pyridines as Color-Tunable Fluorophores. <i>Journal of Organic Chemistry</i> , 2017 , 82, 4352-4361	4.2	16
107	Supramolecular Fullerene Tetramers Concocted with Porphyrin Boxes Enable Efficient Charge Separation and Delocalization. <i>Journal of the American Chemical Society</i> , 2020 , 142, 12596-12601	16.4	16
106	Switching the enantioselectivity in catalytic [4 + 1] cycloadditions by changing the metal center: principles of inverting the stereochemical preference of an asymmetric catalysis revealed by DFT calculations. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9414-23	16.4	16
105	Room-Temperature Ring-Opening of Quinoline, Isoquinoline, and Pyridine with Low-Valent Titanium. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12804-12814	16.4	16
104	Epitope fluctuations in the human papillomavirus are under dynamic allosteric control: a computational evaluation of a new vaccine design strategy. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18458-68	16.4	16
103	cis-[Pt(NH ₃) ₂ (L)] ₂ ^{+/+} (L = Cl, H ₂ O, NH ₃) binding to purines and CO: does pi-back-donation play a role?. <i>Inorganic Chemistry</i> , 2003 , 42, 8615-7	5.1	16
102	Copper-Catalyzed Enantiotopic-Group-Selective Allylation of α -Diborylalkanes. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1069-1077	16.4	16
101	Important role of ancillary ligand in the emission behaviours of blue-emitting heteroleptic Ir(III) complexes. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4480-4487	7.1	15
100	One-pot bifunctionalization of unactivated alkenes, P(O)H compounds, and N-methoxypyridinium salts for the construction of α -pyridyl alkylphosphonates. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 2595-2603	5.2	15
99	Studies of iron-mediated Pauson-Khand reactions of 1,1-disubstituted-allenylsilanes: mechanistic implications for a reactive three-membered iron metallacycle. <i>Chemical Science</i> , 2013 , 4, 238-247	9.4	15
98	The effect of one valence electron: contrasting (PNP)Ni(CO) with (PNP)Ni(NO) to understand the half-bent NiNO unit. <i>Inorganic Chemistry</i> , 2008 , 47, 3888-92	5.1	15
97	Methionine Ligand Interaction in a Blue Copper Protein Characterized by Site-Selective Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7187-93	16.4	15
96	Computational and spectroscopic characterization of key intermediates of the Selective Catalytic Reduction cycle of NO on zeolite-supported Cu catalyst. <i>Inorganica Chimica Acta</i> , 2015 , 430, 132-143	2.7	14
95	Naphthalene diimide as a two-electron anolyte for aqueous and neutral pH redox flow batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11218-11223	13	14
94	Optical and Fluorescent Dual Sensing of Aminoalcohols by in Situ Generation of BODIPY-like Chromophore. <i>Journal of the American Chemical Society</i> , 2020 , 142, 4975-4979	16.4	14
93	Mechanistic Studies of Bismuth(V)-Mediated Thioglycoside Activation Reveal Differential Reactivity of Anomers. <i>Journal of Organic Chemistry</i> , 2016 , 81, 5949-62	4.2	14

92	Positive shift in corrole redox potentials leveraged by modest HCF-substitution helps achieve efficient photocatalytic C-H bond functionalization by group 13 complexes. <i>Dalton Transactions</i> , 2019 , 48, 12279-12286	4.3	14
91	A four-coordinate thionitrosyl complex of vanadium. <i>Chemical Communications</i> , 2013 , 49, 2768-70	5.8	14
90	Evidence for spontaneous resolution of icosahedral proline. <i>Journal of the American Chemical Society</i> , 2006 , 128, 15988-9	16.4	14
89	Palladium-Catalyzed Divergent Cyclopropanation by Regioselective Solvent-Driven C(sp ²)-H Bond Activation. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15460-15464	16.4	14
88	Selective C-C bond formation from rhodium-catalyzed C-H activation reaction of 2-arylpyridines with 3-aryl-2-azirines. <i>Chemical Science</i> , 2019 , 10, 2678-2686	9.4	13
87	Catalytic Cascade Reaction To Access Cyclopentane-Fused Heterocycles: Expansion of Pd-TMM Cycloaddition. <i>Organic Letters</i> , 2019 , 21, 3998-4002	6.2	13
86	Carbon Dioxide-Catalyzed Stereoselective Cyanation Reaction. <i>ACS Catalysis</i> , 2019 , 9, 6006-6011	13.1	13
85	Ancillary ligand increases the efficiency of heteroleptic Ir-based triplet emitters in OLED devices. <i>Nature Communications</i> , 2020 , 11, 2292	17.4	13
84	Dual Mode Radiative Transition from a Phenoselenazine Derivative and Electrical Switching of the Emission Mechanism. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 5591-5600	6.4	13
83	Conjugate Addition of Perfluoroarenes to α,β -Unsaturated Carbonyls Enabled by an Alkoxide-Hydrosilane System: Implication of a Radical Pathway. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9659-9668	16.4	13
82	The Mechanism of O-O Bond Formation in Tanaka's Water Oxidation Catalyst. <i>Angewandte Chemie</i> , 2012 , 124, 1247-1250	3.6	13
81	Ring-slippage and multielectron redox properties of Fe/Ru/Os-bis(arene) complexes: does hapticity change really cause potential inversion?. <i>Journal of the American Chemical Society</i> , 2011 , 133, 18234-42	16.4	13
80	Why does cyanide pretend to be a weak field ligand in $[\text{Cr}(\text{CN})_5]^{3-}$?. <i>Inorganic Chemistry</i> , 2008 , 47, 4413-20	3.1	13
79	Terminal Acetylenes React to Increase Unsaturation in $[(\text{tBu}_2\text{PCH}_2\text{SiMe}_2)_2\text{N}]\text{Re}(\text{H})_4$. <i>Organometallics</i> , 2004 , 23, 4934-4943	3.8	13
78	Chemo- and regioselective click reactions through nickel-catalyzed azide-alkyne cycloaddition. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 3374-3381	3.9	13
77	Ruthenium catalyzes the synthesis of β -butenolides fused with cyclohexanones. <i>Chemical Communications</i> , 2019 , 55, 2940-2943	5.8	12
76	C-H/C-C Functionalization Approach to N-Fused Heterocycles from Saturated Azacycles. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13041-13050	16.4	12
75	Room temperature olefination of methane with titanium-carbon multiple bonds. <i>Chemical Science</i> , 2018 , 9, 3376-3385	9.4	12

74	Understanding intermolecular C-F bond activation by a transient titanium neopentylidyne: experimental and theoretical studies on the competition between 1,2-CF bond addition and [2 + 2]-cycloaddition/fluoride elimination. <i>Dalton Transactions</i> , 2013 , 42, 4163-74	4.3	12
73	Mechanistic study of styrene aziridination by iron(IV) nitrides. <i>Chemical Science</i> , 2018 , 9, 8542-8552	9.4	12
72	Mechanism of Palladium-Catalyzed C-N Coupling with 1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU) as a Base. <i>ACS Catalysis</i> , 2019 , 9, 6851-6856	13.1	11
71	How a redox-innocent metal promotes the formal reductive elimination of biphenyl using redox-active ligands. <i>Chemistry - A European Journal</i> , 2015 , 21, 4308-14	4.8	11
70	Mechanistic Insight into the Diastereoselective Rhodium-Catalyzed Pauson-Khand Reaction: Role of Coordination Number in Stereocontrol. <i>Angewandte Chemie</i> , 2008 , 120, 348-351	3.6	11
69	Minimalistic Principles for Designing Small Molecules with Multiple Reactivities against Pathological Factors in Dementia. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8183-8193	16.4	10
68	Understanding the competitive dehydroalkoxylation and dehydrogenation of ethers with Ti(IV) multiple bonds. <i>Chemical Science</i> , 2013 , 4, 2543	9.4	10
67	DFT Studies on the Thermal Activation of Molecular Oxygen by Bare [Ni(H)(OH)] ⁺ . <i>Helvetica Chimica Acta</i> , 2009 , 92, 151-164	2	10
66	Ab initio quantum calculation of the diabatic coupling matrix elements for the self-exchange redox couples M(Cp) ₂ ^{0/+} (M = Fe, Co; Cp = C ₅ H ₅). <i>Inorganic Chemistry</i> , 2002 , 41, 5926-7	5.1	10
65	How bulky ligands control the chemoselectivity of Pd-catalyzed α -arylation of ammonia. <i>Chemical Science</i> , 2019 , 11, 1017-1025	9.4	10
64	Stereoinversion of Unactivated Alcohols by Tethered Sulfonamides. <i>Angewandte Chemie</i> , 2019 , 131, 1741-1745	3.6	9
63	Glassy carbon electrodes deliver unpredictable reduction potentials for platinum(IV) antitumor prodrugs. <i>Polyhedron</i> , 2016 , 103, 28-34	2.7	9
62	1,2-CF bond activation of perfluoroarenes and alkylidene isomers of titanium. DFT analysis of the CF bond activation pathway and rotation of the titanium alkylidene moiety. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 4138-4146	2.3	9
61	Proton as the simplest of all catalysts for [2 + 2] cycloadditions: DFT study of acid-catalyzed imine metathesis. <i>Journal of Organic Chemistry</i> , 2004 , 69, 6173-84	4.2	9
60	Mechanistic Study of Metal-Ligand Cooperativity in Mn(II)-Catalyzed Hydroborations: Hemilabile SNS Ligand Enables Metal Hydride-Free Reaction Pathway. <i>ACS Catalysis</i> , 2021 , 11, 9043-9051	13.1	9
59	Living Metathesis and Metallotropy Polymerization Gives Conjugated Polyenyne from Multialkynes: How to Design Sequence-Specific Cascades for Polymers. <i>Journal of the American Chemical Society</i> , 2018 , 140, 16320-16329	16.4	9
58	Chiral Brønsted acid-controlled intermolecular asymmetric [2 + 2] photocycloadditions. <i>Nature Communications</i> , 2021 , 12, 5735	17.4	9
57	Dynamic Kinetic Resolution of Alkenyl Cyanohydrins Derived from α -Unsaturated Aldehydes: Stereoselective Synthesis of β -Tetrasubstituted Olefins. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11770-11774	16.4	8

56	The origin of the ligand-controlled regioselectivity in Rh-catalyzed [(2 + 2) + 2] carbocyclizations: steric stereoelectronic effects. <i>Chemical Science</i> , 2015 , 6, 6896-6900	9.4	8
55	Mechanism of redox-active ligand-assisted nitrene-group transfer in a Zr(IV) complex: direct ligand-to-ligand charge transfer preferred. <i>Chemistry - A European Journal</i> , 2015 , 21, 1780-9	4.8	8
54	Reductive Carbocyclization of Homoallylic Alcohols to syn-Cyclobutanes by a Boron-Catalyzed Dual Ring-Closing Pathway. <i>Angewandte Chemie</i> , 2018 , 130, 2722-2726	3.6	8
53	Theoretical studies of diiron(II) complexes that model features of the dioxygen-activating centers in non-heme diiron enzymes. <i>Israel Journal of Chemistry</i> , 2001 , 41, 173-186	3.4	8
52	Tebbe-like and Phosphonioalkylidene and -alkylidyne Complexes of Scandium. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10143-10152	16.4	8
51	Asymmetric Synthesis of (-)-6'-Fluoro-aristeromycin via Stereoselective Electrophilic Fluorination. <i>Organic Letters</i> , 2017 , 19, 5732-5735	6.2	7
50	Amphiphile self-assembly dynamics at the solution-solid interface reveal asymmetry in head/tail desorption. <i>Chemical Communications</i> , 2018 , 54, 10076-10079	5.8	7
49	Regiodivergent Conjugate Addition Controlled by Rhodium(I) and Palladium(II) Catalysts: A Combined Computational and Experimental Study. <i>Advanced Synthesis and Catalysis</i> , 2017 , 359, 3160-3175	5.6	7
48	Ligand-controlled Regiodivergent C-H Alkenylation of Pyrazoles and its Application to the Synthesis of Indazoles. <i>Angewandte Chemie</i> , 2017 , 129, 16480-16484	3.6	7
47	Hydrogen Transfer between Ligands: A Density Functional Study of the Rearrangement of M(η -C ₇ H ₈) ₂ into M(η -C ₇ H ₇)(η -C ₇ H ₉) [M = Mo, Mo ⁺ , Zr]. <i>Organometallics</i> , 2004 , 23, 2658-2669	3.8	7
46	Cu(I)-Catalyzed Enantioselective [5 + 1] Cycloaddition of N-Aromatic Compounds and Alkynes via Chelating-Assisted 1,2-De-aromatic Addition. <i>ACS Catalysis</i> , 2020 , 10, 10905-10913	13.1	7
45	Multiple reactivities of flavonoids towards pathological elements in Alzheimer's disease: structure-activity relationship. <i>Chemical Science</i> , 2020 , 11, 10243-10254	9.4	7
44	Ni-Catalyzed Intermolecular C(sp ³)-H Amidation Tuned by Bidentate Directing Groups. <i>ACS Catalysis</i> , 2021 , 11, 3067-3072	13.1	7
43	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> , 2021 , 12, 9673-9681	9.4	7
42	The mechanism of selective catalytic reduction of NO on Cu-SSZ-13 - a computational study. <i>Dalton Transactions</i> , 2017 , 46, 369-377	4.3	6
41	The Mechanism of Copper-Catalyzed Trifunctionalization of Terminal Allenes. <i>Chemistry - A European Journal</i> , 2019 , 25, 9456-9463	4.8	6
40	Factors Affecting the Production of Aromatic Immonium Ions in MALDI 157 nm Photodissociation Studies. <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 834-46	3.5	6
39	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

38	Dimerization Strategies for the Synthesis of High-Order Securinega Alkaloids. <i>Journal of Organic Chemistry</i> , 2019 , 84, 1398-1406	4.2	6
37	Conversion of methane to ethylene using an Ir complex and phosphorus ylide as a methylene transfer reagent. <i>Chemical Communications</i> , 2019 , 55, 1927-1930	5.8	5
36	Cyanide: A Strong-Field Ligand for Ferrohemes and Hemoproteins?. <i>Angewandte Chemie</i> , 2008 , 120, 10298-10300	3.8	5
35	Direct Stereoconvergent Allylation of Chiral Alkylcopper Nucleophiles with Racemic Allylic Phosphates. <i>Chemistry - A European Journal</i> , 2020 , 26, 2592-2596	4.8	5
34	Reductive activation of Pd-precatalysts via decarboxylation of pivalate in direct C-H arylation reactions. <i>Chemical Communications</i> , 2020 , 56, 13868-13871	5.8	5
33	Purely organic phosphorescent organic light emitting diodes using alkyl modified phenoselenazine. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 8233-8238	7.1	5
32	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> , 2021 , 143, 13428-13440	16.4	5
31	Aldehyde Carboxylation: A Concise DFT Mechanistic Study and a Hypothetical Role of CO ₂ in the Origin of Life. <i>Synlett</i> , 2019 , 30, 987-996	2.2	4
30	Schrock vs Fischer carbenes: A quantum chemical perspective. <i>Advances in Inorganic Chemistry</i> , 2019 , 385-443	2.1	4
29	Die E.-coli-Siderophore Enterobactin und Salmochelin bilden sechsfach koordinierte Siliciumkomplexe bei physiologischen pH-Werten. <i>Angewandte Chemie</i> , 2011 , 123, 4317-4321	3.6	4
28	Nickel-Catalyzed Anionic Cross-Coupling Reaction of Lithium Sulfonimidoyl Alkylidene Carbenoids With Organolithiums. <i>Chemistry - A European Journal</i> , 2020 , 26, 2914-2926	4.8	4
27	Ruthenium(ii)-catalyzed regioselective direct C4- and C5-diamidation of indoles and mechanistic studies. <i>Chemical Science</i> , 2021 , 12, 11427-11437	9.4	4
26	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> , 2021 , 143, 11382-11392	16.4	4
25	Oxidation of Cymantrene-Tagged Tamoxifen Analogues: Effect of Diphenyl Functionalization on the Redox Mechanism. <i>Organometallics</i> , 2020 , 39, 679-687	3.8	3
24	Disrotatory Ring-Opening of Furans Gives Stereocontrol. <i>Journal of Organic Chemistry</i> , 2019 , 84, 11061-11067	10.67	3
23	Effects of varying the 6-position oxidation state of hexopyranoses: a systematic comparative computational analysis of 48 monosaccharide stereoisomers. <i>Journal of Molecular Modeling</i> , 2017 , 23, 214	2	3
22	Inorganic Models for Two-Electron Redox Chemistry in Biological Systems. <i>ACS Symposium Series</i> , 2009 , 151-166	0.4	3
21	Unexpected Selectivity of Intramolecular [3+2] Cycloaddition of Trimethylenemethane (TMM) Diyl toward Total Synthesis of Conidiogenone B. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 609-617	3.2	3

20	The electronic structure of a μ -diketiminato manganese hydride dimer. <i>Dalton Transactions</i> , 2020 , 49, 14463-14474	4.3	3
19	Palladium-Catalyzed Divergent Arylation of Triazolopyridines: A Computational Study. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 2505-2510	4.5	2
18	Regioselective Oxidation of C-H Bonds in Unactivated Alkanes by a Vanadium Superoxo Catalyst Bound to a Supramolecular Host. <i>Inorganic Chemistry</i> , 2019 , 58, 16250-16255	5.1	2
17	Peroxo-cobalt(III) species activates nitriles via a superoxocobalt(II) diradical state. <i>Dalton Transactions</i> , 2020 , 49, 2819-2826	4.3	2
16	How Many O-Donor Groups in Enterobactin Does It Take to Bind a Metal Cation?. <i>Chemistry - A European Journal</i> , 2019 , 25, 6955-6962	4.8	2
15	Allene C(sp)-H Activation and Alkenylation Catalyzed by Palladium.. <i>Journal of the American Chemical Society</i> , 2021 , 143, 21705-21712	16.4	2
14	Improving usability and accessibility of cheminformatics tools for chemists through cyberinfrastructure and education. <i>In Silico Biology</i> , 2011 , 11, 41-60	2	2
13	Unusual solvent polarity dependent excitation relaxation dynamics of a bis[p-ethynylthiobenzoato]Pd-linked bis[(porphinato)zinc] complex. <i>Molecular Systems Design and Engineering</i> , 2018 , 3, 275-284	4.6	1
12	Computational Studies: Cisplatin 2011 ,		1
11	Computational Studies: Cisplatin 2009 ,		1
10	Rearrangements of the Chrysanthemol Core: Application to a Formal Synthesis of Xishacorene B. <i>Journal of the American Chemical Society</i> , 2021 , 143, 20482-20490	16.4	1
9	Reaction of a Molybdenum Bis(dinitrogen) Complex with Carbon Dioxide: A Combined Experimental and Computational Investigation. <i>Inorganic Chemistry</i> , 2021 , 60, 7708-7718	5.1	1
8	Directing Foldamer Self-Assembly with a Cyclopropanoyl Cap. <i>Chemistry - A European Journal</i> , 2019 , 25, 2226-2233	4.8	1
7	Calculation-Assisted Stereochemical Analysis of Securingine A. <i>Bulletin of the Korean Chemical Society</i> , 2021 , 42, 486-488	1.2	1
6	The mechanism behind enhanced reactivity of unsaturated phosphorus(V) electrophiles towards thiols. <i>Chemical Science</i> , 2021 , 12, 8141-8148	9.4	1
5	Catalytic Borylation of Methane: Combining Computational and High-Throughput Screening Approaches to Discover a New Catalyst 2018 , 337-369		1
4	Phosphorus-Atom Transfer from Phosphaethynolate to an Alkylidyne. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 24411-24417	16.4	1
3	Switching Chemoselectivity Based on the Ring Size: How to Make Ring-Fused Indoles Using Transition-Metal-Mediated Cross-Coupling. <i>ACS Catalysis</i> , 2021 , 11, 12821-12832	13.1	0

- 2 Diastereoselective Rhodium-Catalyzed [(3+2+2)] Carbocyclization Reactions with Tethered Alkynylidenecyclopropanes: Synthesis of the Tremulane Sesquiterpene Natural Products. *Asian Journal of Organic Chemistry*, **2021**, 10, 2174-2183 3 0

- 1 Multifaceted examination of multielectron transfer reactions. *Inorganica Chimica Acta*, **2020**, 510, 119746.7