

Zhuo-Feng Ke

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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.

139 papers	4,358 citations	36 h-index	62 g-index
158 ext. papers	5,210 ext. citations	7.5 avg, IF	5.78 L-index

#	Paper	IF	Citations
139	The ONIOM Method and Its Applications. <i>Chemical Reviews</i> , 2015 , 115, 5678-796	68.1	671
138	Homogeneous electrocatalytic water oxidation at neutral pH by a robust macrocyclic nickel(II) complex. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13042-8	16.4	211
137	Interfacial Electronic Structure Modulation of NiTe Nanoarrays with NiS Nanodots Facilitates Electrocatalytic Oxygen Evolution. <i>Advanced Materials</i> , 2019 , 31, e1900430	24	186
136	Ru(II) catalysts supported by hydridotris(pyrazolyl)borate for the hydroarylation of olefins: reaction scope, mechanistic studies, and guides for the development of improved catalysts. <i>Accounts of Chemical Research</i> , 2009 , 42, 585-97	24.3	180
135	Modulating Electronic Structure of Metal-Organic Framework for Efficient Electrocatalytic Oxygen Evolution. <i>Advanced Energy Materials</i> , 2018 , 8, 1801564	21.8	178
134	Merging Distal Alkynyl Migration and Photoredox Catalysis for Radical Trifluoromethylative Alkynylation of Unactivated Olefins. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4545-4548	16.4	127
133	A DFT study on the mechanism of Rh ₂ (II,II)-catalyzed intramolecular amidation of carbamates. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 1101-8	4.5	95
132	Copper-Catalyzed Regioselective C-H Sulfonylation of 8-Aminoquinolines. <i>Journal of Organic Chemistry</i> , 2016 , 81, 946-55	4.2	83
131	One-Step Construction of Hydrophobic MOFs@COFs Core-Shell Composites for Heterogeneous Selective Catalysis. <i>Advanced Science</i> , 2019 , 6, 1802365	13.6	75
130	Co(III)-Catalyzed Coupling-Cyclization of Aryl C≡N Bonds with Diazoketones Involving Wolff Rearrangement. <i>ACS Catalysis</i> , 2018 , 8, 1308-1312	13.1	73
129	Hydrogenation of Carbon Dioxide Using Half-Sandwich Cobalt, Rhodium, and Iridium Complexes: DFT Study on the Mechanism and Metal Effect. <i>ACS Catalysis</i> , 2014 , 4, 2990-2997	13.1	73
128	Room temperature N-heterocyclic carbene manganese catalyzed selective N-alkylation of anilines with alcohols. <i>Chemical Communications</i> , 2019 , 55, 6213-6216	5.8	70
127	Palladium-Catalyzed C≡C Activation/C≡N Bond Formation Reactions: DFT Study of Reaction Mechanisms and Reactive Intermediates. <i>Organometallics</i> , 2010 , 29, 821-834	3.8	65
126	General H ₂ Activation Modes for Lewis Acid-Transition Metal Bifunctional Catalysts. <i>ACS Catalysis</i> , 2016 , 6, 1655-1662	13.1	64
125	Histone-deacetylase-targeted fluorescent ruthenium(II) polypyridyl complexes as potent anticancer agents. <i>Chemistry - A European Journal</i> , 2013 , 19, 10160-9	4.8	63
124	Rh-catalyzed polymerization of phenylacetylene: theoretical studies of the reaction mechanism, regioselectivity, and stereoregularity. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7926-41	16.4	63
123	Chiral Bidentate Boryl Ligand Enabled Iridium-Catalyzed Asymmetric C(sp ³)-H Borylation of Diarylmethylamines. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5334-5342	16.4	57

122	Enantioselective Synthesis of Axially Chiral Biaryl Monophosphine Oxides via Direct Asymmetric Suzuki Coupling and DFT Investigations of the Enantioselectivity. <i>ACS Catalysis</i> , 2014 , 4, 1390-1397	13.1	57
121	Homogeneous Electrocatalytic Water Oxidation at Neutral pH by a Robust Macrocyclic Nickel(II) Complex. <i>Angewandte Chemie</i> , 2014 , 126, 13258-13264	3.6	57
120	Six-, Five-, and Four-Coordinate Ruthenium(II) Hydride Complexes Supported by N-Heterocyclic Carbene Ligands: Synthesis, Characterization, Fundamental Reactivity, and Catalytic Hydrogenation of Olefins, Aldehydes, and Ketones. <i>Organometallics</i> , 2009 , 28, 1758-1775	3.8	56
119	Constructing 2D MOFs from 2D LDHs: a highly efficient and durable electrocatalyst for water oxidation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 190-195	13	54
118	Sterically Encumbered Tetraarylimidazolium Carbene Pd-PEPSI Complexes: Highly Efficient Direct Arylation of Imidazoles with Aryl Bromides under Aerobic Conditions. <i>Organometallics</i> , 2016 , 35, 2655-2663	2.8	53
117	Iridium(III)-Catalyzed Regioselective Intermolecular Unactivated Secondary Csp(3) -H Bond Amidation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11897-901	16.4	52
116	Dinuclear Zn(II) complex catalyzed phosphodiester cleavage proceeds via a concerted mechanism: a density functional theory study. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2904-15	16.4	52
115	Aromatic C-H Activation and Catalytic Hydrophenylation of Ethylene by TpRu{P(OCH ₂) ₃ CET}(NCMe)Ph. <i>Organometallics</i> , 2008 , 27, 3007-3017	3.8	52
114	DFT Study of Acceptorless Alcohol Dehydrogenation Mediated by Ruthenium Pincer Complexes: Ligand Tautomerization Governing Metal Ligand Cooperation. <i>Inorganic Chemistry</i> , 2016 , 55, 6539-51	5.1	51
113	Synthesis, inhibitory activities, and QSAR study of xanthone derivatives as alpha-glucosidase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2008 , 16, 7185-92	3.4	48
112	Flexible Steric Bulky Bis(Imino)acenaphthene (BIAN)-Supported N-Heterocyclic Carbene Palladium Precatalysts: Catalytic Application in Buchwald-Hartwig Amination in Air. <i>Journal of Organic Chemistry</i> , 2017 , 82, 2914-2925	4.2	46
111	A bifunctional strategy for N-heterocyclic carbene-stabilized iridium complex-catalyzed N-alkylation of amines with alcohols in aqueous media. <i>Green Chemistry</i> , 2019 , 21, 219-224	10	46
110	Catalytic mechanism in artificial metalloenzyme: QM/MM study of phenylacetylene polymerization by rhodium complex encapsulated in apo-Ferritin. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15418-29	16.4	46
109	Investigation of 1-hexene isomerization and oligomerization catalyzed with η^5 -diketiminato Ni(II) bromide complexes/methylaluminoxane system. <i>Journal of Molecular Catalysis A</i> , 2005 , 231, 27-34		41
108	A Highly Selective and Robust Co(II)-Based Homogeneous Catalyst for Reduction of CO to CO in CHCN/HO Solution Driven by Visible Light. <i>Inorganic Chemistry</i> , 2017 , 56, 7307-7311	5.1	40
107	Drastic ligand electronic effect on anilidoimino nickel catalysts toward ethylene polymerization. <i>Polymer</i> , 2007 , 48, 7249-7254	3.9	40
106	Ethylene polymerization and oligomerization catalyzed by bulky η^5 -diketiminato Ni(II) and η^5 -diimine Ni(II) complexes/methylaluminoxane systems. <i>Journal of Molecular Catalysis A</i> , 2006 , 249, 31-39		40
105	Nonbifunctional Outer-Sphere Strategy Achieved Highly Active η^5 -Alkylation of Ketones with Alcohols by η^5 -Heterocyclic Carbene Manganese (NHC-Mn). <i>Organic Letters</i> , 2019 , 21, 8065-8070	6.2	39

104	A 2D NiFe Bimetallic Metal-Organic Frameworks for Efficient Oxygen Evolution Electrocatalysis. <i>Energy and Environmental Materials</i> , 2019 , 2, 18-21	13	37
103	Unusual non-bifunctional mechanism for Co-PNP complex catalyzed transfer hydrogenation governed by the electronic configuration of metal center. <i>Dalton Transactions</i> , 2015 , 44, 16573-85	4.3	36
102	Mechanism and enantioselectivity of dirhodium-catalyzed intramolecular C-H amination of sulfamate. <i>Journal of Organic Chemistry</i> , 2013 , 78, 12460-8	4.2	36
101	Copper-Catalyzed Carbamoylation of Terminal Alkynes with Formamides via Cross-Dehydrogenative Coupling. <i>ACS Catalysis</i> , 2016 , 6, 1263-1267	13.1	35
100	Stereoselective synthesis of sulfur-containing β -aminonitrile derivatives through electrochemical Csp-H bond oxidative functionalization of acetonitrile. <i>Nature Communications</i> , 2019 , 10, 833	17.4	35
99	Binding mechanism and synergetic effects of xanthone derivatives as noncompetitive α -glucosidase inhibitors: a theoretical and experimental study. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 13464-71	3.4	33
98	When Bifunctional Catalyst Encounters Dual MLC Modes: DFT Study on the Mechanistic Preference in Ru-PNNH Pincer Complex Catalyzed Dehydrogenative Coupling Reaction. <i>ACS Catalysis</i> , 2017 , 7, 786-795	13.1	32
97	Aerobic and Efficient Direct Arylation of Five-Membered Heteroarenes and Their Benzocondensed Derivatives with Aryl Bromides by Bulky β -Hydroxyimine Palladium Complexes. <i>Organometallics</i> , 2015 , 34, 4881-4894	3.8	30
96	Rh(III)-catalyzed regioselective intermolecular α -methylene Csp-H bond carbenoid insertion. <i>Chemical Science</i> , 2018 , 9, 985-989	9.4	29
95	Ruthenium-Catalyzed Direct Synthesis of Semisaturated Bicyclic Pyrimidines via Selective Transfer Hydrogenation. <i>Organic Letters</i> , 2017 , 19, 2730-2733	6.2	26
94	Further insight into the electrocatalytic water oxidation by macrocyclic nickel(II) complexes: the influence of steric effect on catalytic activity. <i>Catalysis Science and Technology</i> , 2017 , 7, 5585-5593	5.5	26
93	Nonplanar Organic Sensitizers Featuring a Tetraphenylethene Structure and Double Electron-Withdrawing Anchoring Groups. <i>Journal of Organic Chemistry</i> , 2015 , 80, 9034-40	4.2	25
92	Mechanism of Hypervalent Iodine Promoted Fluorocyclization of Unsaturated Alcohols: Metathesis via Double Acids Activation. <i>Journal of Organic Chemistry</i> , 2019 , 84, 458-462	4.2	25
91	A Density Functional Theory Study of Aluminum Carbenoid (CH ₃) ₂ AlCH ₂ X (X = Cl, Br, I) Promoted Cyclopropanation Reactions Compared to IMCH ₂ I (M = Li, Sm, Zn) Carbenoids. <i>Organometallics</i> , 2006 , 25, 3735-3742	3.8	24
90	Bulky β -diimine palladium complexes: highly efficient for direct C-H bond arylation of heteroarenes under aerobic conditions. <i>Dalton Transactions</i> , 2016 , 45, 14919-27	4.3	23
89	The origin of enantioselectivity for intramolecular Friedel-Crafts reaction catalyzed by supramolecular Cu/DNA catalyst complex. <i>Chemical Physics Letters</i> , 2014 , 600, 87-95	2.5	23
88	Intrinsic Reaction Coordinate Analysis of the Activation of CH ₄ by Molybdenum Atoms: A Density Functional Theory Study of the Crossing Seams of the Potential Energy Surfaces. <i>Organometallics</i> , 2008 , 27, 181-188	3.8	23
87	Methylene transfer or carbometallation? A theoretical study to determine the mechanism of lithium carbenoid-promoted cyclopropanation reactions in aggregation and solvation States. <i>Journal of Organic Chemistry</i> , 2007 , 72, 848-60	4.2	21

86	Cationic Organochalcogen with Monomer/Excimer Emissions for Dual-Color Live Cell Imaging and Cell Damage Diagnosis. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 13264-13273	9.5	20
85	Sustainable and Selective Alkylation of Deactivated Secondary Alcohols to Ketones by Non-bifunctional Pincer N-heterocyclic Carbene Manganese. <i>ChemSusChem</i> , 2020 , 13, 2557-2563	8.3	19
84	On the mechanism and stereochemistry of chiral lithium-carbenoid-promoted cyclopropanation reactions. <i>Chemistry - A European Journal</i> , 2007 , 13, 6724-31	4.8	19
83	Visible-Light Driven Efficient Overall H ₂ O ₂ Production on Modified Graphitic Carbon Nitride under Ambient Conditions. <i>Applied Catalysis B: Environmental</i> , 2021 , 285, 119726	21.8	19
82	DFT study of CO ₂ hydrogenation catalyzed by a cobalt-based system: an unexpected formate anion-assisted deprotonation mechanism. <i>Catalysis Science and Technology</i> , 2018 , 8, 656-666	5.5	19
81	Boron-Based Lewis Acid Transition Metal Complexes as Potential Bifunctional Catalysts. <i>Chinese Journal of Organic Chemistry</i> , 2017 , 37, 2187	3	18
80	Highly efficient and selective photocatalytic CO to CO conversion in aqueous solution. <i>Chemical Communications</i> , 2020 , 56, 3851-3854	5.8	18
79	Highly efficient photosynthesis of hydrogen peroxide in ambient conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	18
78	Iridium(III)-Catalyzed Regioselective Intermolecular Unactivated Secondary Csp ³ H Bond Amidation. <i>Angewandte Chemie</i> , 2016 , 128, 12076-12080	3.6	17
77	Rationalization of the selectivity between 1,3- and 1,2-migration: a DFT study on gold(I)-catalyzed propargylic ester rearrangement. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 3558-63	3.9	16
76	Frustrated Lewis Pair Catalyzed C-H Activation of Heteroarenes: A Stepwise Carbene Mechanism Due to Distance Effect. <i>Organic Letters</i> , 2018 , 20, 1102-1105	6.2	15
75	Direct Carbon-Carbon Bond Amination of Unstrained Arylalkylketones. <i>ACS Catalysis</i> , 2020 , 10, 8402-8408	3.1	15
74	Oxygen Vacancy Defect Migration in Titanate Perovskite Surfaces: Effect of the A-Site Cations. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 14590-14597	3.8	14
73	Metallalkenyl, Metallacyclopentene, or Metallallylcarbenoid? Ru-Catalyzed Annulation between Benzoic Acid and Alkyne. <i>ACS Catalysis</i> , 2019 , 9, 9387-9392	13.1	13
72	Mechanism of SiH Bond Activation for Lewis Acid PBP-Ni-Catalyzed Hydrosilylation of CO ₂ : The Role of the Linear S _N 2 Type Cooperation. <i>ACS Catalysis</i> , 2019 , 9, 5279-5289	13.1	13
71	Co(II)-Catalyzed Regioselective Pyridine C-H Coupling with Diazoacetates. <i>Organic Letters</i> , 2019 , 21, 3427-3430	7.3	13
70	Removal of NO with silicene: a DFT investigation. <i>RSC Advances</i> , 2015 , 5, 22135-22147	3.7	13
69	Enantioselective Hydrolysis of Amino Acid Esters Promoted by Bis(β -cyclodextrin) Copper Complexes. <i>Scientific Reports</i> , 2016 , 6, 22080	4.9	13

68	Catalyzed or non-catalyzed: chemoselectivity of Ru-catalyzed acceptorless dehydrogenative coupling of alcohols and amines via metal-ligand bond cooperation and (de)aromatization. <i>Catalysis Science and Technology</i> , 2019 , 9, 2305-2314	5.5	12
67	Influence of water hydrogen bonding on the reactions of aryl nitrenium ions with guanosine: hydrogen-bonding effects can favor reaction at the C8 site. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 6528-32	3.4	12
66	Enantioselective Oxidative Multi-Functionalization of Terminal Alkynes with Nitrones and Alcohols for Expeditious Assembly of Chiral α -Alkoxy- β -Amino-ketones. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14703-14711	16.4	12
65	Perylene Diimide Based Imine Cages for Inclusion of Aromatic Guest Molecules and Visible-Light Photocatalysis. <i>ChemPhotoChem</i> , 2019 , 3, 1014-1019	3.3	11
64	A theoretical study of dirhodium-catalyzed intramolecular aliphatic C-H bond amination of aryl azides. <i>RSC Advances</i> , 2016 , 6, 29045-29053	3.7	11
63	Concurrent cyclopropanation by carbenes and carbanions? A density functional theory study on the reaction pathways. <i>Journal of Organic Chemistry</i> , 2007 , 72, 5139-45	4.2	11
62	Bifurcated Hydrogen-Bond-Stabilized Boron Analogues of Carboxylic Acids. <i>Inorganic Chemistry</i> , 2019 , 58, 13370-13375	5.1	10
61	A DFT study of Co(I) and Ni(II) pincer complex-catalyzed hydrogenation of ketones: intriguing mechanism dichotomy by ligand field variation. <i>Catalysis Science and Technology</i> , 2019 , 9, 125-135	5.5	10
60	Hierarchical Gelation of a PdL Metal-Organic Cage Regulated by Cholesteryl Groups. <i>Inorganic Chemistry</i> , 2019 , 58, 10019-10027	5.1	10
59	An amphiphilic conjugate approach toward the design and synthesis of betulinic acid-polyphenol conjugates as inhibitors of the HIV-1 gp41 fusion core formation. <i>ChemMedChem</i> , 2011 , 6, 1654-64	3.7	10
58	Low VOC bifunctional photoinitiator based on α -hydroxyalkylphenone structure. <i>Polymer</i> , 2006 , 47, 4603-4612	4.1	10
57	Photocatalyzed cycloaromatization of vinylsilanes with arylsulfonylazides. <i>Nature Communications</i> , 2021 , 12, 3304	17.4	10
56	Recent advances on N-heterocyclic carbene transition metal complexes for dehydrogenative catalysis using alcohols. <i>Catalysis Today</i> , 2021 , 370, 114-141	5.3	10
55	Redox-Active, Boron-Based Ligands in Iron Complexes with Inverted Hydride Reactivity in Dehydrogenation Catalysis. <i>ACS Catalysis</i> , 2019 , 9, 7300-7309	13.1	9
54	New Phosphorene by Phase Combination with Tunable Electronic and Mechanical Properties. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 10788-10794	3.8	9
53	Elucidating metal hydride reactivity using late transition metal boryl and borane hydrides: 2c π e terminal hydride, 3c π e bridging hydride, and 3c π e bridging hydride. <i>Catalysis Science and Technology</i> , 2018 , 8, 3395-3405	5.5	9
52	The potential of d ⁶ non-noble metal NHC catalysts for carbon dioxide hydrogenation: group and row effects. <i>Catalysis Science and Technology</i> , 2020 , 10, 5443-5447	5.5	9
51	Ruthenium(II) complexes with N-heterocyclic carbene-phosphine ligands for the α -alkylation of amines with alcohols. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 3451-3461	3.9	9

50	Defect Engineering for Photocatalysis: From Ternary to Perovskite Oxynitrides. <i>ChemNanoMat</i> , 2020 , 6, 708-719	3.5	9
49	The effect of auxiliary ligand on the mechanism and reactivity: DFT study on H ₂ activation by Lewis acid-transition metal complex (tris(phosphino)borane)Fe(L). <i>Catalysis Science and Technology</i> , 2017 , 7, 4866-4878	5.5	8
48	Density functional theory study of the mechanism of zinc carbenoid promoted cyclopropanation of allenamides. <i>RSC Advances</i> , 2013 , 3, 17131	3.7	8
47	2,6-Bis(benzimidazol-2-yl)pyridine as a potent transmembrane anion transporter. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 2442-2445	2.9	8
46	BNN-1,3-dipoles: isolation and intramolecular cycloaddition with unactivated arenes. <i>Chemical Science</i> , 2020 , 11, 7053-7059	9.4	7
45	Lewis Acid Transition-Metal-Catalyzed Hydrogen Activation: Structures, Mechanisms, and Reactivities. <i>Chemistry - A European Journal</i> , 2019 , 25, 13785-13798	4.8	7
44	Tungsten-Catalyzed Direct N-Alkylation of Anilines with Alcohols. <i>ChemSusChem</i> , 2021 , 14, 860-865	8.3	7
43	Enhanced Hydride Donation Achieved Molybdenum Catalyzed Direct N-Alkylation of Anilines or Nitroarenes with Alcohols: From Computational Design to Experiment. <i>ACS Catalysis</i> , 2021 , 11, 10377-10382	13.1	7
42	Iridium-Catalyzed Enantioselective C≡N Borylation of Diarylphosphinates. <i>ACS Catalysis</i> , 13445-13451	13.1	6
41	The effect of HSAB on stereoselectivity: copper- and gold-catalyzed 1,3-phosphatyl oxy and 1,3-halogen migration relay to 1,3-dienes. <i>Journal of Organic Chemistry</i> , 2015 , 80, 1661-71	4.2	5
40	Transition metal center effect on the mechanism of homogenous hydrogenation and dehydrogenation. <i>Inorganica Chimica Acta</i> , 2020 , 511, 119808	2.7	5
39	Rational design of FLP catalysts for reversible H ₂ activation: A DFT study of the geometric and electronic effects. <i>Chinese Chemical Letters</i> , 2018 , 29, 1226-1232	8.1	5
38	Comparative analysis of linear and non-linear transition state of hydrogen transfer reaction between benzoyl type radicals with skipped alkadienes. <i>Computational and Theoretical Chemistry</i> , 2016 , 1081, 25-29	2	5
37	Chiral Bidentate Boryl Ligand-Enabled Iridium-Catalyzed Enantioselective Dual C≡N Borylation of Ferrocenes: Reaction Development and Mechanistic Insights. <i>ACS Catalysis</i> , 2022 , 12, 1830-1840	13.1	5
36	Electronic Effect on Bimetallic Catalysts: Cleavage of Phosphodiester Mediated by Fe(III)-Zn(II) Purple Acid Phosphatase Mimics. <i>Inorganic Chemistry</i> , 2020 , 59, 12065-12074	5.1	5
35	Making more efficient lithium carbenoid reagents for cyclopropanation by hetero-aggregation: A DFT prediction on a new factor to control the S _N 2-Type organometallic reaction. <i>Journal of Organometallic Chemistry</i> , 2018 , 864, 110-114	2.3	4
34	The origin of different driving forces between O≡N/N≡ functional groups in metal ligand cooperation: mechanistic insight into Mn(I) catalysed transfer hydrogenation. <i>Catalysis Science and Technology</i> , 2020 , 10, 169-179	5.5	4
33	G-Quadruplex DNA-binding quaternary alkaloids from <i>Tylophora atrofoliculata</i> . <i>RSC Advances</i> , 2016 , 6, 114135-114142	3.7	4

32	Visible-Light-Induced Amination of Quinoline at the C8 Position via a Postcoordinated Interligand-Coupling Strategy under Mild Conditions. <i>Inorganic Chemistry</i> , 2021 , 60, 908-918	5.1	4
31	Hypervalent Iodine-Mediated Diastereoselective β -Acetoxylation of Cyclic Ketones. <i>Frontiers in Chemistry</i> , 2020 , 8, 467	5	3
30	Synthesis of seven-membered lactones by regioselective and stereoselective iodolactonization of electron-deficient olefins. <i>Chemical Communications</i> , 2020 , 56, 6680-6683	5.8	3
29	Mechanism of Ir-Mediated Selective Pyridine o-C-H Activation: The Role of Lewis Acidic Boryl Group. <i>ACS Catalysis</i> , 2021 , 11, 6186-6192	13.1	3
28	Stabilization of maneb group by ethylenediamine and direct-determination by liquid chromatography tandem mass spectrometry. <i>Food Chemistry</i> , 2021 , 345, 128774	8.5	3
27	Diazadiborinine as an ambiphilic catalyst for metal-free hydrogenation: a computational study on the structural design and reaction mechanism. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 1206-1215	5.2	3
26	Dual roles of the electronic effect on selectivity: pincer nickel-electrocatalyzed CO ₂ reduction. <i>Catalysis Science and Technology</i> , 2021 , 11, 874-885	5.5	3
25	Regulating the Optoelectronic Properties of Nickel Dithiolene by the Substituents: A Theoretical Study. <i>Materials</i> , 2018 , 11,	3.5	3
24	Diastereoselectivity in a cyclic secondary amine catalyzed asymmetric Mannich reaction: a model rationalization from DFT studies. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 2148-2157	5.2	3
23	One catalyst, multiple processes: ligand effects on chemoselective control in Ru-catalyzed anti-Markovnikov reductive hydration of terminal alkynes. <i>Catalysis Science and Technology</i> , 2019 , 9, 2315-2327	5.5	2
22	Homogeneously catalyzed hydrogenation and dehydrogenation reactions [From a mechanistic point of view. <i>Physical Sciences Reviews</i> , 2018 , 3,	1.4	2
21	External Photocatalyst-Free Visible Light-Promoted 1,3-Addition of Perfluoroalkyl Iodides to Vinyl diazoacetates. <i>CCS Chemistry</i> , 2021 , 3, 794-805	7.2	2
20	Highly active electrocatalytic CO ₂ reduction with manganese N-heterocyclic carbene pincer by para electronic tuning. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	2
19	From carbonates to carbenes and ylides in the coordination sphere of iridium. <i>Dalton Transactions</i> , 2021 , 50, 954-959	4.3	2
18	Synthesis and biological evaluation of suffrutines A, B and their N-fused analogues. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 1122-1131	5.2	1
17	Zwitterionic Copolymerization of β -Butyrolactone with Styrene. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1800189	2.6	1
16	Recent progress in electro- and photo-catalytic CO ₂ reduction using N-heterocyclic carbene transition metal complexes. <i>Polyhedron</i> , 2021 , 203, 115147	2.7	1
15	Unraveling mechanisms of the uncoordinated nucleophiles: theoretical elucidations of the cleavage of bis(-nitrophenyl) phosphate mediated by zinc-complexes with apical nucleophiles.. <i>RSC Advances</i> , 2019 , 9, 37696-37704	3.7	1

14	Selective C-alkylation Between Alcohols Catalyzed by N-Heterocyclic Carbene Molybdenum. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 3124-3128	4.5	1
13	Electronic and Steric Properties of N-Heterocyclic Boryl Ligands. <i>Organometallics</i> , 2022 , 41, 627-633	3.8	1
12	Bifunctional Effect of a Triple-Bond Heterobimetallic Zr/Co System for Hydrogen Activation. <i>ACS Catalysis</i> , 13452-13462	13.1	0
11	Mechanism of Counterion-Controlled Regioselective Hydrothiolation of 1,3-Dienes: Insights from a Density Functional Theory Study. <i>ACS Catalysis</i> , 2021 , 11, 7659-7671	13.1	0
10	Incorporation of HO and CO into a BN-embedded 3-3-acephenanthrylene derivative. <i>Chemical Communications</i> , 2021 , 57, 1226-1229	5.8	0
9	A DFT study on the selectivity of CO ₂ reduction electrocatalyzed by heterofluorene bis-NHC Ni pincer complexes: Interplay of media and structure factor. <i>Inorganic Chemistry Communication</i> , 2021 , 130, 108690	3.1	0
8	Phytic Acid-Based FeCo Bimetallic Metal-Organic Gels for Electrocatalytic Oxygen Evolution Reaction. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 3213-3220	4.5	0
7	Metal Effect Meets Volcano Plots: A DFT Study on Tris(phosphino)borane-Transition Metal Complexes Catalyzed H Activation. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 3427-3436	4.5	0
6	Ruthenium Catalyzed Selective Acceptorless Dehydrogenation of Allylic Alcohols to α -Unsaturated Carbonyls. <i>Chinese Journal of Organic Chemistry</i> , 2021 , 41, 4361	3	
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