

Kuo Wei Huang

List of Publications by Year in descending order

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280
papers

16,231
citations

11608

70
h-index

23472

111
g-index

326
all docs

326
docs citations

326
times ranked

16405
citing authors

#	ARTICLE	IF	CITATIONS
1	Formic Acid as a Hydrogen Energy Carrier. ACS Energy Letters, 2017, 2, 188-195.	8.8	596
2	Ultralong cycle stability of aqueous zinc-ion batteries with zinc vanadium oxide cathodes. Science Advances, 2019, 5, eaax4279.	4.7	410
3	Imaging defects and their evolution in a metal-organic framework at sub-unit-cell resolution. Nature Chemistry, 2019, 11, 622-628.	6.6	371
4	CoP nanosheet assembly grown on carbon cloth: A highly efficient electrocatalyst for hydrogen generation. Nano Energy, 2015, 15, 634-641.	8.2	357
5	Crystalline 2D Covalent Organic Framework Membranes for High-Flux Organic Solvent Nanofiltration. Journal of the American Chemical Society, 2018, 140, 14342-14349.	6.6	313
6	<i>N</i> -Annulated Perylene as An Efficient Electron Donor for Porphyrin-Based Dyes: Enhanced Light-Harvesting Ability and High-Efficiency Co(II/III)-Based Dye-Sensitized Solar Cells. Journal of the American Chemical Society, 2014, 136, 265-272.	6.6	283
7	An Air-Stable Copper Reagent for Nucleophilic Trifluoromethylthiolation of Aryl Halides. Angewandte Chemie - International Edition, 2013, 52, 1548-1552.	7.2	281
8	Kinetically Blocked Stable Heptazethrene and Octazethrene: Closed-Shell or Open-Shell in the Ground State?. Journal of the American Chemical Society, 2012, 134, 14913-14922.	6.6	256
9	Enantioselective Synthesis of Chiral Allenolates by Guanidine-Catalyzed Isomerization of 3-Alkynolates. Journal of the American Chemical Society, 2009, 131, 7212-7213.	6.6	246
10	Copper-Mediated C-H Activation/C-S Cross-Coupling of Heterocycles with Thiols. Journal of Organic Chemistry, 2011, 76, 8999-9007.	1.7	230
11	Stable Tetrabenzo-Chichibabin's Hydrocarbons: Tunable Ground State and Unusual Transition between Their Closed-Shell and Open-Shell Resonance Forms. Journal of the American Chemical Society, 2012, 134, 14513-14525.	6.6	218
12	Strongly coupled CdS/graphene quantum dots nanohybrids for highly efficient photocatalytic hydrogen evolution: Unraveling the essential roles of graphene quantum dots. Applied Catalysis B: Environmental, 2017, 216, 59-69.	10.8	199
13	Highly acid-durable carbon coated Co ₃ O ₄ nanoarrays as efficient oxygen evolution electrocatalysts. Nano Energy, 2016, 25, 42-50.	8.2	187
14	Surface Modification of 2D Photocatalysts for Solar Energy Conversion. Advanced Materials, 2022, 34, e2200180.	11.1	184
15	Mixed-dimensional MXene-hydrogel heterostructures for electronic skin sensors with ultrabroad working range. Science Advances, 2020, 6, .	4.7	182
16	High-Sulfur Vacancy Amorphous Molybdenum Sulfide as a High Current Electrocatalyst in Hydrogen Evolution. Small, 2016, 12, 5530-5537.	5.2	177
17	Asymmetric Mannich Reaction of Fluorinated Ketoesters with a Tryptophan-Derived Bifunctional Thiourea Catalyst. Angewandte Chemie - International Edition, 2009, 48, 7604-7607.	7.2	176
18	A new class of PN ₃ -pincer ligands for metal-ligand cooperative catalysis. Coordination Chemistry Reviews, 2015, 293-294, 116-138.	9.5	172

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19	Catalytic Mechanisms of Direct Pyrrole Synthesis via Dehydrogenative Coupling Mediated by PNP-Ir or PNN-Ru Pincer Complexes: Crucial Role of Proton-Transfer Shuttles in the PNP-Ir System. <i>Journal of the American Chemical Society</i> , 2014, 136, 4974-4991.	6.6	171
20	Dibenzoheptazethrene Isomers with Different Biradical Characters: An Exercise of Clar's Aromatic Sextet Rule in Singlet Biradicaloids. <i>Journal of the American Chemical Society</i> , 2013, 135, 18229-18236.	6.6	167
21	Soluble and Stable Heptazethrenebis(dicarboximide) with a Singlet Open-Shell Ground State. <i>Journal of the American Chemical Society</i> , 2011, 133, 11896-11899.	6.6	162
22	Direct Asymmetric Vinylogous Aldol Reaction of Allyl Ketones with Isatins: Divergent Synthesis of β -Hydroxy- α -Oxindole Derivatives. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6666-6670.	7.2	158
23	High-flux water desalination with interfacial salt sieving effect in nanoporous carbon composite membranes. <i>Nature Nanotechnology</i> , 2018, 13, 345-350.	15.6	157
24	Synthesis of single-crystal-like nanoporous carbon membranes and their application in overall water splitting. <i>Nature Communications</i> , 2017, 8, 13592.	5.8	142
25	Cooperative Effect of Silver in Copper-Catalyzed Trifluoromethylation of Aryl Iodides Using Me_3SiCF_3 . <i>Organometallics</i> , 2011, 30, 3229-3232.	1.1	139
26	Synthesis of a Chiral Quaternary Carbon Center Bearing a Fluorine Atom: Enantio- and Diastereoselective Guanidine-Catalyzed Addition of Fluorocarbon Nucleophiles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3627-3631.	7.2	138
27	Pentamidium-Catalyzed Enantioselective Phase-Transfer Conjugate Addition Reactions. <i>Journal of the American Chemical Society</i> , 2011, 133, 2828-2831.	6.6	135
28	Chloride ion-catalyzed generation of difluorocarbene for efficient preparation of gem-difluorinated cyclopropenes and cyclopropanes. <i>Chemical Communications</i> , 2011, 47, 2411-2413.	2.2	133
29	Rugae-like FeP nanocrystal assembly on a carbon cloth: an exceptionally efficient and stable cathode for hydrogen evolution. <i>Nanoscale</i> , 2015, 7, 10974-10981.	2.8	133
30	Remote C ³ H Activation of Quinolines through Copper-Catalyzed Radical Cross-Coupling. <i>Chemistry - an Asian Journal</i> , 2016, 11, 882-892.	1.7	130
31	Ni-Sn-Supported ZrO_2 Catalysts Modified by Indium for Selective CO_2 Hydrogenation to Methanol. <i>ACS Omega</i> , 2018, 3, 3688-3701.	1.6	130
32	Highly Enantio- and Diastereoselective Reactions of β -Substituted Butenolides Through Direct Vinylogous Conjugate Additions. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10069-10073.	7.2	124
33	Enhanced Reactivities toward Amines by Introducing an Imine Arm to the Pincer Ligand: Direct Coupling of Two Amines To Form an Imine Without Oxidant. <i>Organometallics</i> , 2012, 31, 5208-5211.	1.1	123
34	Perylene-Fused BODIPY Dye with Near-IR Absorption/Emission and High Photostability. <i>Organic Letters</i> , 2011, 13, 632-635.	2.4	119
35	Enabling storage and utilization of low-carbon electricity: power to formic acid. <i>Energy and Environmental Science</i> , 2021, 14, 1194-1246.	15.6	119
36	Highly enantioselective construction of tertiary thioethers and alcohols via phosphine-catalyzed asymmetric β -addition reactions of 5H-thiazol-4-ones and 5H-oxazol-4-ones: scope and mechanistic understandings. <i>Chemical Science</i> , 2015, 6, 4912-4922.	3.7	117

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37	Symmetrical synergy of hybrid Co ₉ S ₈ -MoS _x electrocatalysts for hydrogen evolution reaction. <i>Nano Energy</i> , 2017, 32, 470-478.	8.2	116
38	Limitations of Ammonia as a Hydrogen Energy Carrier for the Transportation Sector. <i>ACS Energy Letters</i> , 2021, 6, 4390-4394.	8.8	115
39	Perylene Anhydride Fused Porphyrins as Near-Infrared Sensitizers for Dye-Sensitized Solar Cells. <i>Organic Letters</i> , 2011, 13, 3652-3655.	2.4	113
40	The Direct Asymmetric Vinylogous Aldol Reaction of Furanones with β -Ketoesters: Access to Chiral β -Butenolides and Glycerol Derivatives. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1861-1864.	7.2	113
41	Dehydrogenation of Formic Acid Catalyzed by a Ruthenium Complex with an <i>N,N</i> -Diimine Ligand. <i>Inorganic Chemistry</i> , 2017, 56, 438-445.	1.9	107
42	Threonine-Derived Novel Bifunctional Phosphine-Sulfonamide Catalyst-Promoted Enantioselective Aza-Morita-Baylis-Hillman Reaction. <i>Organic Letters</i> , 2011, 13, 1310-1313.	2.4	105
43	Enantioselective [3+3] atroposelective annulation catalyzed by N-heterocyclic carbenes. <i>Nature Communications</i> , 2018, 9, 611.	5.8	105
44	Dearomatization of β -Nitroindoles by a Phosphine-Catalyzed Enantioselective [3+2] Annulation Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5427-5431.	7.2	105
45	Toward Tetradicaloid: The Effect of Fusion Mode on Radical Character and Chemical Reactivity. <i>Journal of the American Chemical Society</i> , 2016, 138, 1065-1077.	6.6	103
46	All-Carbon Quaternary Stereocenters β to Azaarenes via Radical-Based Asymmetric Olefin Difunctionalization. <i>Journal of the American Chemical Society</i> , 2020, 142, 19451-19456.	6.6	101
47	Low overpotential and high current CO ₂ reduction with surface reconstructed Cu foam electrodes. <i>Nano Energy</i> , 2016, 27, 121-129.	8.2	100
48	Using UCST Ionic Liquid as a Draw Solute in Forward Osmosis to Treat High-Salinity Water. <i>Environmental Science & Technology</i> , 2016, 50, 1039-1045.	4.6	99
49	Single pot selective hydrogenation of furfural to 2-methylfuran over carbon supported iridium catalysts. <i>Green Chemistry</i> , 2018, 20, 2027-2037.	4.6	99
50	Continuous electrical pumping membrane process for seawater lithium mining. <i>Energy and Environmental Science</i> , 2021, 14, 3152-3159.	15.6	98
51	Selective Hydrogen Generation from Formic Acid with Well-Defined Complexes of Ruthenium and Phosphorus-Nitrogen Pincer Ligand. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1357-1360.	1.7	94
52	Stepwise Cyanation of Naphthalene Diimide for n-Channel Field-Effect Transistors. <i>Organic Letters</i> , 2012, 14, 2964-2967.	2.4	92
53	Benzene-fused BODIPYs: synthesis and the impact of fusion mode. <i>Chemical Communications</i> , 2013, 49, 1217.	2.2	92
54	<i>N</i> -Annulated Perylene Fused Porphyrins with Enhanced Near-IR Absorption and Emission. <i>Organic Letters</i> , 2010, 12, 4046-4049.	2.4	91

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55	PN ³ (P)-Pincer Complexes: Cooperative Catalysis and Beyond. ACS Catalysis, 2019, 9, 1619-1629.	5.5	88
56	Anthracene-Fused BODIPYs as Near-Infrared Dyes with High Photostability. Organic Letters, 2011, 13, 6026-6029.	2.4	85
57	Primary Amine/CSA Ion Pair: A Powerful Catalytic System for the Asymmetric Enamine Catalysis. Organic Letters, 2011, 13, 2638-2641.	2.4	83
58	Tunable Selectivity for Electrochemical CO ₂ Reduction by Bimetallic Cu-Sn Catalysts: Elucidating the Roles of Cu and Sn. ACS Catalysis, 2021, 11, 11103-11108.	5.5	82
59	Efficient transfer hydrogenation reaction Catalyzed by a dearomatized PN3P ruthenium pincer complex under base-free Conditions. Journal of Organometallic Chemistry, 2012, 700, 202-206.	0.8	81
60	Symmetric synergy of hybrid CoS ₂ -WS ₂ electrocatalysts for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 15552-15558.	5.2	81
61	Superheptazethrene. Angewandte Chemie - International Edition, 2016, 55, 8615-8619.	7.2	79
62	Bisindeno-annulated pentacenes with exceptionally high photo-stability and ordered molecular packing: simple synthesis by a regio-selective Schöll reaction. Chemical Communications, 2015, 51, 3604-3607.	2.2	78
63	Pore engineering of ultrathin covalent organic framework membranes for organic solvent nanofiltration and molecular sieving. Chemical Science, 2020, 11, 5434-5440.	3.7	78
64	Formic Acid to Power towards Low-Carbon Economy. Advanced Energy Materials, 2022, 12, .	10.2	77
65	Thiophene-Fused Tetracene Diimide with Low Band Gap and Ambipolar Behavior. Organic Letters, 2011, 13, 5960-5963.	2.4	76
66	Hydrogenation of Esters Catalyzed by Ruthenium PN ³ -Pincer Complexes Containing an Aminophosphine Arm. Organometallics, 2014, 33, 4152-4155.	1.1	74
67	Molecular Dynamics Simulations on Gate Opening in ZIF-8: Identification of Factors for Ethane and Propane Separation. Langmuir, 2013, 29, 8865-8872.	1.6	73
68	<i>meso</i> -Substituted Bisanthenes as Soluble and Stable Near-infrared Dyes. Journal of Organic Chemistry, 2010, 75, 856-863.	1.7	72
69	Cyanated Diazatetracene Diimides with Ultrahigh Electron Affinity for <i>n</i> -Channel Field Effect Transistors. Organic Letters, 2013, 15, 1194-1197.	2.4	72
70	Bis-N-annulated Quaternylenebis(dicarboximide) as a New Soluble and Stable Near-Infrared Dye. Organic Letters, 2009, 11, 4508-4511.	2.4	71
71	Soluble and Stable Zethrenebis(dicarboximide) and Its Quinone. Organic Letters, 2010, 12, 4690-4693.	2.4	71
72	Dianthraceno[a,e]pentalenes: synthesis, crystallographic structures and applications in organic field-effect transistors. Chemical Communications, 2015, 51, 503-506.	2.2	70

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73	Mild copper-catalyzed trifluoromethylation of terminal alkynes using an electrophilic trifluoromethylating reagent. <i>Tetrahedron</i> , 2012, 68, 2527-2531.	1.0	69
74	A kinetically blocked 1,14:11,12-dibenzopentacene: a persistent triplet diradical of a non-Kekulé polycyclic benzenoid hydrocarbon. <i>Chemical Science</i> , 2014, 5, 1908.	3.7	69
75	An Update on Formic Acid Dehydrogenation by Homogeneous Catalysis. <i>Chemistry - an Asian Journal</i> , 2020, 15, 937-946.	1.7	68
76	A concise, efficient synthesis of sugar-based benzothiazoles through chemoselective intramolecular C-S coupling. <i>Chemical Science</i> , 2012, 3, 2388.	3.7	67
77	Metal-Ligand Cooperative Reactivity in the (Pseudo)-Dearomatized PN ³ (P) Systems: The Influence of the Zwitterionic Form in Dearomatized Pincer Complexes. <i>Journal of the American Chemical Society</i> , 2017, 139, 13442-13449.	6.6	63
78	Carbon Dioxide Reduction by Pincer Rhodium η^2 -Dihydrogen Complexes: Hydrogen-Binding Modes and Mechanistic Studies by Density Functional Theory Calculations. <i>Organometallics</i> , 2007, 26, 508-513.	1.1	62
79	Antiaromatic bisindenyl-[n]thienoacenes with small singlet biradical characters: syntheses, structures and chain length dependent physical properties. <i>Chemical Science</i> , 2014, 5, 4490-4503.	3.7	62
80	Highly Enantio- and Diastereoselective Synthesis of β -Methyl- α -monofluoromethyl-Substituted Alcohols. <i>Chemistry - A European Journal</i> , 2011, 17, 8066-8070.	1.7	61
81	Theoretical Mechanistic Investigation into Metal-Free Alternating Copolymerization of CO ₂ and Epoxides: The Key Role of Triethylborane. <i>Macromolecules</i> , 2018, 51, 5600-5607.	2.2	61
82	Enantioselective Protonation of Itaconimides with Thiols and the Rotational Kinetics of the Axially Chiral C-N Bond. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1741-1744.	1.7	60
83	Cyclopentadienyl Molybdenum(II/VI) N-Heterocyclic Carbene Complexes: Synthesis, Structure, and Reactivity under Oxidative Conditions. <i>Organometallics</i> , 2010, 29, 1924-1933.	1.1	60
84	Unrealistic energy and materials requirement for direct air capture in deep mitigation pathways. <i>Nature Communications</i> , 2020, 11, 3287.	5.8	60
85	Z-shaped Pentalenoacene Dimers with High Stability and Small Band Gap. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2693-2696.	7.2	59
86	Lateral Extension of π Conjugation along the Bay Regions of Bisanthene through a Diels-Alder Cycloaddition Reaction. <i>Chemistry - A European Journal</i> , 2011, 17, 14672-14680.	1.7	57
87	Performance and Stability Improvement of Layered NCM Lithium-Ion Batteries at High Voltage by a Microporous Al ₂ O ₃ Sol-Gel Coating. <i>ACS Omega</i> , 2019, 4, 13972-13980.	1.6	57
88	A Soluble and Stable Quinoidal Bisanthene with NIR Absorption and Amphoteric Redox Behavior. <i>Organic Letters</i> , 2009, 11, 4854-4857.	2.4	56
89	Diverse catalytic reactivity of a dearomatized PN ³ P nickel hydride pincer complex towards CO ₂ reduction. <i>Chemical Communications</i> , 2018, 54, 11395-11398.	2.2	56
90	Fast Response, Highly Air-Stable, and Water-Resistant Organic Photodetectors Based on a Single-Crystal Pt Complex. <i>Advanced Materials</i> , 2020, 32, e1904634.	11.1	56

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91	<i>meso</i> -Ester and Carboxylic Acid Substituted BODIPYs with Far-Red and Near-Infrared Emission for Bioimaging Applications. <i>Chemistry - A European Journal</i> , 2014, 20, 2301-2310.	1.7	55
92	Asymmetric NHC-Catalyzed Aza-Diels-Alder Reactions: Highly Enantioselective Route to β -Amino Acid Derivatives and DFT Calculations. <i>Organic Letters</i> , 2014, 16, 3872-3875.	2.4	54
93	The Insignificant Role of Dry Reforming of Methane in CO ₂ Emission Relief. <i>ACS Energy Letters</i> , 2020, 5, 2881-2885.	8.8	54
94	Efficient S _N 2 Fluorination of Primary and Secondary Alkyl Bromides by Copper(I) Fluoride Complexes. <i>Organometallics</i> , 2013, 32, 6587-6592.	1.1	50
95	Selective Catalytic Hydrogenation of Arenols by a Well-Defined Complex of Ruthenium and Phosphorus-Nitrogen P ₃ -Pincer Ligand Containing a Phenanthroline Backbone. <i>ACS Catalysis</i> , 2017, 7, 4446-4450.	5.5	50
96	Unusual Activity of Rationally Designed Cobalt Phosphide/Oxide Heterostructure Composite for Hydrogen Production in Alkaline Medium. <i>ACS Nano</i> , 2022, 16, 3906-3916.	7.3	50
97	Homolysis of Weak Ti ^{IV} -O Bonds: Experimental and Theoretical Studies of Titanium Oxygen Bonds Derived from Stable Nitroxyl Radicals. <i>Journal of the American Chemical Society</i> , 2005, 127, 3807-3816.	6.6	49
98	Conversion of CO ₂ from air into formate using amines and phosphorus-nitrogen P ₃ -P-Ru(<i>scpd</i>) pincer complexes. <i>Green Chemistry</i> , 2018, 20, 4201-4205.	4.6	49
99	Synthesis and molecular structure of titanium complexes containing a reduced TEMPO radical. <i>Chemical Communications</i> , 2002, , 502-503.	2.2	46
100	<i>para</i> -Quinodimethane-Bridged Perylene Dimers and Pericondensed Quaterrylenes: The Effect of the Fusion Mode on the Ground States and Physical Properties. <i>Chemistry - A European Journal</i> , 2014, 20, 11410-11420.	1.7	46
101	N-Annulated perylene substituted zinc-porphyrins with different linking modes and electron acceptors for dye sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8428-8434.	5.2	46
102	Cobalt-Catalyzed Selective Hydrogenation of Nitriles to Secondary Imines. <i>Organic Letters</i> , 2018, 20, 6430-6435.	2.4	46
103	Aromaticity in catalysis: metal ligand cooperation <i>via</i> ligand dearomatization and rearomatization. <i>Chemical Communications</i> , 2021, 57, 3070-3082.	2.2	46
104	Optically and Electrocatalytically Decoupled Si Photocathodes with a Porous Carbon Nitride Catalyst for Nitrogen Reduction with Over 61.8% Faradaic Efficiency. <i>Advanced Materials</i> , 2021, 33, e2100812.	11.1	46
105	Homocoupling of benzyl halides catalyzed by POCOP-nickel pincer complexes. <i>Tetrahedron</i> , 2012, 68, 6152-6157.	1.0	45
106	Benzo[4,5]cyclohepta[1,2-b]fluorene: an isomeric motif for pentacene containing linearly fused five-, six- and seven-membered rings. <i>Chemical Science</i> , 2016, 7, 6176-6181.	3.7	45
107	Doubly and Triply Linked Porphyrin-Perylene Monoimides as Near IR Dyes with Large Dipole Moments and High Photostability. <i>Journal of Organic Chemistry</i> , 2011, 76, 661-664.	1.7	44
108	Ruthenium(II) pincer complexes with oxazoline arms for efficient transfer hydrogenation reactions. <i>Tetrahedron Letters</i> , 2012, 53, 4409-4412.	0.7	44

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109	Stable 7,14-Disubstituted-5,12-Dithiapentacenes with Quinoidal Conjugation. <i>Organic Letters</i> , 2014, 16, 3966-3969.	2.4	44
110	A rationally designed amino-borane complex in a metal organic framework: a novel reusable hydrogen storage and size-selective reduction material. <i>Chemical Communications</i> , 2015, 51, 7610-7613.	2.2	44
111	Synthesis of Highly Reactive Polyisobutylene Catalyzed by EtAlCl ₂ /Bis(2-chloroethyl) Ether Soluble Complex in Hexanes. <i>Macromolecules</i> , 2014, 47, 1959-1965.	2.2	43
112	<i>i</i> -N-Annulated Perylene-Based Push-Pull-Type Sensitizers. <i>Organic Letters</i> , 2015, 17, 724-727.	2.4	43
113	Octazethrene and Its Isomer with Different Diradical Characters and Chemical Reactivity: The Role of the Bridge Structure. <i>Journal of Organic Chemistry</i> , 2016, 81, 2911-2919.	1.7	43
114	Highly Active Heterogeneous Catalyst for Ethylene Dimerization Prepared by Selectively Doping Ni on the Surface of a Zeolitic Imidazolate Framework. <i>Journal of the American Chemical Society</i> , 2021, 143, 7144-7153.	6.6	42
115	Guanidine-catalyzed enantioselective desymmetrization of meso-aziridines. <i>Chemical Communications</i> , 2011, 47, 3897.	2.2	41
116	The origin of enantioselectivity in the l-threonine-derived phosphine-sulfonamide catalyzed aza-Morita-Baylis-Hillman reaction: effects of the intramolecular hydrogen bonding. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4818.	1.5	41
117	Towards meso-Ester BODIPYs with Aggregation-Induced Emission Properties: The Effect of Substitution Positions. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1631-1634.	1.7	41
118	Cyclometalated Iridium-PhanePhos Complexes Are Active Catalysts in Enantioselective Allene-Fluoral Reductive Coupling and Related Alcohol-Mediated Carbonyl Additions That Form Acyclic Quaternary Carbon Stereocenters. <i>Journal of the American Chemical Society</i> , 2019, 141, 2087-2096.	6.6	41
119	Highly Enantio- and Diastereoselective Allylic Alkylation of Morita-Baylis-Hillman Carbonates with Allyl Ketones. <i>Journal of Organic Chemistry</i> , 2013, 78, 5067-5072.	1.7	40
120	Soluble Polymers with Intrinsic Porosity for Flue Gas Purification and Natural Gas Upgrading. <i>Advanced Materials</i> , 2017, 29, 1605826.	11.1	40
121	Spatially isolated palladium in porous organic polymers by direct knitting for versatile organic transformations. <i>Journal of Catalysis</i> , 2017, 355, 101-109.	3.1	40
122	Asymmetric Three-Component Heck Arylation/Amination of Nonconjugated Cycloienes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5341-5345.	7.2	40
123	Dendritic micro-mesoporous composites with center-radial pores assembled by TS-1 nanocrystals to enhance hydrodesulfurization activity of dibenzothiophene and 4,6-dimethyldibenzothiophene. <i>Journal of Catalysis</i> , 2020, 384, 136-146.	3.1	40
124	Coordination Chemistry of Stable Radicals: Homolysis of a Titanium-Oxygen Bond. <i>Journal of the American Chemical Society</i> , 2002, 124, 8200-8201.	6.6	39
125	Polymerization of 1,3-butadiene catalyzed by pincer cobalt(II) complexes derived from 2-(1-arylimino)-6-(pyrazol-1-yl)pyridine ligands. <i>Applied Catalysis A: General</i> , 2013, 464-465, 35-42.	2.2	39
126	Indolo[2,3-b]carbazoles with tunable ground states: how Clar's aromatic sextet determines the singlet biradical character. <i>Chemical Science</i> , 2014, 5, 4944-4952.	3.7	39

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127	Ethylene polymerization by PN ₃ -type pincer chromium(III) complexes. <i>Journal of Molecular Catalysis A</i> , 2014, 395, 100-107.	4.8	39
128	Efficient electrochemical transformation of CO ₂ to C ₂ /C ₃ chemicals on benzimidazole-functionalized copper surfaces. <i>Chemical Communications</i> , 2018, 54, 11324-11327.	2.2	39
129	Synthesis of <i>cis</i> - and <i>trans</i> -Diisothiocyanato-Bis(NHC) Complexes of Nickel(II) and Applications in the Kumada-Corriu Reaction. <i>Organometallics</i> , 2010, 29, 3746-3752.	1.1	38
130	Benzo-thia-fused [n]thienoacenequinodimethanes with small to moderate diradical characters: the role of pro-aromaticity versus anti-aromaticity. <i>Chemical Science</i> , 2016, 7, 3036-3046.	3.7	38
131	Metal and Ligand K-edge XAS of Titanium-TEMPO Complexes: Determination of Oxidation States and Insights into Ti-O Bond Homolysis. <i>Inorganic Chemistry</i> , 2006, 45, 4468-4477.	1.9	37
132	Tetrakis(4- <i>tert</i> -butylphenyl) substituted and fused quinoidal porphyrins. <i>Chemical Communications</i> , 2012, 48, 7684.	2.2	37
133	Room-temperature base-free copper-catalyzed trifluoromethylation of organotrifluoroborates to trifluoromethylarenes. <i>Tetrahedron</i> , 2012, 68, 9949-9953.	1.0	36
134	Dipolar Quinoidal Acene Analogues as Stable Isoelectronic Structures of Pentacene and Nonacene. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14412-14416.	7.2	36
135	Non-Classical H \cdots H \cdots X Hydrogen Bonding and Its Role in Asymmetric Organocatalysis. <i>Synthesis</i> , 2016, 48, 3449-3458.	1.2	36
136	Renewable aromatics from the degradation of polystyrene under mild conditions. <i>Journal of Saudi Chemical Society</i> , 2017, 21, 983-989.	2.4	36
137	Single-Site Ruthenium Pincer Complex Knitted into Porous Organic Polymers for Dehydrogenation of Formic Acid. <i>ChemSusChem</i> , 2018, 11, 3591-3598.	3.6	36
138	Thienoacene-Fused Pentalenes: Syntheses, Structures, Physical Properties and Applications for Organic Field-Effect Transistors. <i>Chemistry - A European Journal</i> , 2015, 21, 2019-2028.	1.7	35
139	Preparation and Activity of Copper-Gallium Nanocomposite Catalysts for Carbon Dioxide Hydrogenation to Methanol. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 21331-21340.	1.8	35
140	Electronic effects of ruthenium-catalyzed [3+2]-cycloaddition of alkynes and azides. <i>Tetrahedron</i> , 2010, 66, 9415-9420.	1.0	34
141	Controlled polymerization of isoprene promoted by a type of hemilabile XiPN ³ (X = O, S) ligand supported cobalt(<i>sc</i> ii) complexes: the role of a hemilabile donor on the level of control. <i>Polymer Chemistry</i> , 2017, 8, 1805-1814.	1.9	34
142	Carbon-to-Metal Hydrogen Atom Transfer: Direct Observation Using Time-Resolved Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , 2005, 127, 15684-15685.	6.6	33
143	Lewis Base Catalyzed Enantioselective Allylic Hydroxylation of Morita-Baylis-Hillman Carbonates with Water. <i>Journal of Organic Chemistry</i> , 2011, 76, 6894-6900.	1.7	33
144	A Green Approach to Ethyl Acetate: Quantitative Conversion of Ethanol through Direct Dehydrogenation in a Pd-Ag Membrane Reactor. <i>Chemistry - A European Journal</i> , 2012, 18, 15940-15943.	1.7	33

#	ARTICLE	IF	CITATIONS
145	Bipodal Surface Organometallic Complexes with Surface N-Donor Ligands and Application to the Catalytic Cleavage of C-H and C-C Bonds in n-Butane. <i>Journal of the American Chemical Society</i> , 2013, 135, 17943-17951.	6.6	33
146	Kinetic Evidence of an Apparent Negative Activation Enthalpy in an Organocatalytic Process. <i>Scientific Reports</i> , 2013, 3, 2557.	1.6	33
147	Synthesis of Copper Hydroxide Branched Nanocages and Their Transformation to Copper Oxide. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19374-19379.	1.5	33
148	C-H and H-H bond activation via ligand dearomatization/rearomatization of a PN ₃ -P-rhodium complex. <i>Dalton Transactions</i> , 2015, 44, 15111-15115.	1.6	33
149	Unusual Intramolecular Hydrogen Transfer in 3,5-Di(triphenylethylenyl) BODIPY Synthesis and 1,2-Migratory Shift in Subsequent Scholl Type Reaction. <i>Organic Letters</i> , 2015, 17, 4168-4171.	2.4	33
150	Chlorine-functionalized keto-enamine-based covalent organic frameworks for CO ₂ separation and capture. <i>CrystEngComm</i> , 2018, 20, 7621-7625.	1.3	33
151	Structural Screening and Design of Dendritic Micro-Mesoporous Composites for Efficient Hydrodesulfurization of Dibenzothiophene and 4,6-Dimethyldibenzothiophene. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40404-40414.	4.0	32
152	Synthesis of trifluoromethylated acetylenes via copper-catalyzed trifluoromethylation of alkynyltrifluoroborates. <i>Tetrahedron Letters</i> , 2012, 53, 6646-6649.	0.7	31
153	Copper-catalyzed trifluoromethylation of arylsulfinate salts using an electrophilic trifluoromethylation reagent. <i>Tetrahedron</i> , 2013, 69, 2628-2632.	1.0	30
154	Synthesis of highly reactive polyisobutylene with FeCl ₃ /ether complexes in hexane; kinetic and mechanistic studies. <i>Polymer Chemistry</i> , 2015, 6, 322-329.	1.9	30
155	Catalytic Asymmetric Formal [3+2] Cycloaddition of Azoalkenes with 3-Vinylindoles: Synthesis of 2,3-Dihydropyrroles. <i>IScience</i> , 2020, 23, 100873.	1.9	30
156	Selective formation of bicyclic guanidinium chloride complexes: implication of the bifunctionality of guanidines. <i>Tetrahedron Letters</i> , 2009, 50, 1560-1562.	0.7	29
157	N-Heterocyclic Carbene-Catalyzed Diastereoselective Vinylogous Michael Addition Reaction of β -Substituted Deconjugated Butenolides. <i>Journal of Organic Chemistry</i> , 2015, 80, 12606-12613.	1.7	28
158	Regio- and stereo-selective polymerization of 1,3-butadiene catalyzed by phosphorus-nitrogen PN ₃ -pincer cobalt complexes. <i>Dalton Transactions</i> , 2016, 45, 19399-19407.	1.6	28
159	Enabling CO Insertion into o-Nitrostyrenes beyond Reduction for Selective Access to Indolin-2-one and Dihydroquinolin-2-one Derivatives. <i>ACS Catalysis</i> , 2018, 8, 10340-10348.	5.5	28
160	Incorporating TCNQ into Thiophene-Fused Heptacene for n-Channel Field Effect Transistor. <i>Organic Letters</i> , 2012, 14, 2786-2789.	2.4	27
161	Synthesis and characterization of bisoxazolines- and pybox-copper complexes and their application in the coupling of α -carbonyls with functionalized amines. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5509-5516.	1.5	27
162	Push-pull type porphyrin based sensitizers: The effect of donor structure on the light-harvesting ability and photovoltaic performance. <i>Dyes and Pigments</i> , 2015, 122, 199-205.	2.0	27

#	ARTICLE	IF	CITATIONS
163	Direct Asymmetric Allylic Alkenylation of <i>N</i> -Itaconimides with Morita-Baylis-Hillman Carbonates. <i>Journal of Organic Chemistry</i> , 2012, 77, 6600-6607.	1.7	26
164	Room temperature hydrogen generation from hydrolysis of ammonia-borane over an efficient NiAgPd/C catalyst. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 20031-20037.	3.8	26
165	Tunable regioselectivity in 1,3-butadiene polymerization by using 2,6-bis(dimethyl-2-oxazolin-2-yl)pyridine incorporated transition metal (Cr, Fe and Co) catalysts. <i>Journal of Molecular Catalysis A</i> , 2015, 406, 78-84.	4.8	26
166	Auto-combustion synthesis and characterization of perovskite-type LaFeO ₃ nanocrystals prepared via different routes. <i>Ceramics International</i> , 2019, 45, 16530-16539.	2.3	26
167	Understanding Halide Counterion Effects in Enantioselective Ruthenium-Catalyzed Carbonyl (\pm -Aryl)allylation: Alkynes as Latent Allenes and Trifluoroethanol-Enhanced Turnover in The Conversion of Ethanol to Higher Alcohols via Hydrogen Auto-transfer. <i>Journal of the American Chemical Society</i> , 2021, 143, 16709-16717.	6.6	25
168	Synthesis of mixed-ligand cobalt complexes and their applications in high cis-1,4-selective butadiene polymerization. <i>Inorganica Chimica Acta</i> , 2015, 436, 132-138.	1.2	24
169	A class of effective decarboxylative perfluoroalkylating reagents: [(phen) ₂ Cu](O ₂ CR ₂ F). <i>Dalton Transactions</i> , 2016, 45, 8468-8474.	1.6	24
170	Selective decarbonylation by a pincer PCP-rhodium(I) complex. <i>Inorganica Chimica Acta</i> , 2008, 361, 3327-3331.	1.2	23
171	Synthesis of morpholine or piperazine derivatives through gold-catalyzed cyclization reactions of alkynylamines or alkynylalcohols. <i>Organic Chemistry Frontiers</i> , 2015, 2, 721-725.	2.3	23
172	A Novel heteroleptic paddlewheel diruthenium bicyclic guanidinate complex: Synthesis, structure, and scope. <i>Dalton Transactions</i> , 2010, 39, 723-725.	1.6	22
173	Superheptazethrene. <i>Angewandte Chemie</i> , 2016, 128, 8757-8761.	1.6	22
174	π -Conjugated oligothiophene-anthracene co-oligomers: synthesis, physical properties, and self-assembly. <i>Journal of Materials Chemistry</i> , 2009, 19, 8202.	6.7	21
175	Trifluoromethyl acting as stopper in [2]rotaxane. <i>Chemical Communications</i> , 2012, 48, 4821.	2.2	21
176	Asymmetric H-D exchange reactions of fluorinated aromatic ketones. <i>Chemical Communications</i> , 2012, 48, 5479.	2.2	21
177	Pro-aromatic bisphenaleno-thieno[3,2-b]thiophene versus anti-aromatic bisindeno-thieno[3,2-b]thiophene: different ground-state properties and applications in field-effect transistors. <i>Chemical Communications</i> , 2015, 51, 13178-13180.	2.2	21
178	Electrocatalytic Reduction of Carbon Dioxide with a Well-Defined PN ₃ -Ru Pincer Complex. <i>ChemPlusChem</i> , 2016, 81, 166-171.	1.3	21
179	A Pseudodearomatized PN ₃ -P [*] Ni-H Complex as a Ligand and β -Nucleophilic Catalyst. <i>Journal of Organic Chemistry</i> , 2018, 83, 14969-14977.	1.7	21
180	Selective conversion of polystyrene into renewable chemical feedstock under mild conditions. <i>Waste Management</i> , 2018, 78, 871-879.	3.7	21

#	ARTICLE	IF	CITATIONS
181	Metathetic Oxidation of 2-Butenes to Acetaldehyde by Molecular Oxygen Using the Single-Site Olefin Metathesis Catalyst (SiO_2) ₂ Mo(O) ₂ . ACS Catalysis, 2018, 8, 7549-7555.	5.5	21
182	Electrochemical Conversion of CO ₂ to 2-Bromoethanol in a Membraneless Cell. ACS Energy Letters, 2019, 4, 600-605.	8.8	21
183	Density Functional Theory Calculations of Ti ^{IV} -TEMPO Complexes: Influence of Ancillary Ligation on the Strength of the Ti ^{IV} -O Bond. Organometallics, 2006, 25, 3317-3323.	1.1	20
184	Preparation of fluorinated biaryls through direct palladium-catalyzed coupling of polyfluoroarenes with aryltrifluoroborates. Journal of Fluorine Chemistry, 2013, 151, 50-57.	0.9	20
185	Enantioselective Organocatalyzed Oxa μ -Michael α -Aldol Cascade Reactions: Construction of Chiral 4 <i>H</i> -Chromenes with a Trifluoromethylated Tetrasubstituted Carbon Stereocenter. Advanced Synthesis and Catalysis, 2015, 357, 967-973.	2.1	20
186	Monomeric nickel hydroxide stabilized by a sterically demanding phosphorus α -nitrogen PN ³ -P-pincer ligand: synthesis, reactivity and catalysis. Dalton Transactions, 2018, 47, 16057-16065.	1.6	20
187	Growth of 2H stacked WSe ₂ bilayers on sapphire. Nanoscale Horizons, 2019, 4, 1434-1442.	4.1	20
188	Design and Mechanistic Study of Highly Durable Carbon-Coated Cobalt Diphosphide Core α -Shell Nanostructure Electrocatalysts for the Efficient and Stable Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2019, 11, 20752-20761.	4.0	20
189	Diffusion as a function of guest molecule length and functionalization in flexible metal α -organic frameworks. Materials Horizons, 2016, 3, 355-361.	6.4	19
190	Synthesis and Characterization of Branched <i>fcc</i> / <i>hcp</i> Ruthenium Nanostructures and Their Catalytic Activity in Ammonia Borane Hydrolysis. Crystal Growth and Design, 2018, 18, 1509-1516.	1.4	19
191	Kinetics and Thermodynamics of Small Molecule Binding to Pincer-PCP Rhodium(I) Complexes. Inorganic Chemistry, 2013, 52, 4160-4172.	1.9	18
192	N α -Annulated Perylene α -Substituted and Fused Porphyrin Dimers with Intense Near-Infrared One-Photon and Two-Photon Absorption. Chemistry - A European Journal, 2015, 21, 3708-3715.	1.7	18
193	Osmotic Heat Engine Using Thermally Responsive Ionic Liquids. Environmental Science & Technology, 2017, 51, 9403-9409.	4.6	18
194	PdCu supported on dendritic mesoporous CexZr1-xO2 as superior catalysts to boost CO2 hydrogenation to methanol. Journal of Colloid and Interface Science, 2022, 611, 739-751.	5.0	18
195	Highly Twisted 1,2:8,9 α -Dibenzoethrenes: Synthesis, Ground State, and Physical Properties. ChemPlusChem, 2014, 79, 1549-1553.	1.3	17
196	C α -H and C α -C Activation of n-Butane with Zirconium Hydrides Supported on SBA15 Containing N-Donor Ligands: [(SiNH) α (SiX)ZrH ₂], [(SiNH) α (SiX) ₂ ZrH], and [(SiN) α (SiX)ZrH] (X = NH , O). A D Organometallics, 2014, 33, 3320-3327.		
197	Role of keto α -enol tautomerization in a chiral phosphoric acid catalyzed asymmetric thiocarboxylation of meso-epoxide: a DFT study. Organic and Biomolecular Chemistry, 2015, 13, 10981-10985.	1.5	17
198	Efficient and selective α -bromination of carbonyl compounds with N-bromosuccinimide under microwave. Arabian Journal of Chemistry, 2015, 8, 892-896.	2.3	17

#	ARTICLE	IF	CITATIONS
199	Catalytic Intermolecular Cross-Couplings of Azides and LUMO-Activated Unsaturated Acyl Azoliums. <i>ACS Catalysis</i> , 2017, 7, 2139-2144.	5.5	17
200	Structural analysis of transient reaction intermediate in formic acid dehydrogenation catalysis using two-dimensional IR spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12395-12400.	3.3	17
201	One-Pot Synthesis of N -(\pm -Peroxy)Indole/Carbazole via Chemoselective Three-Component Condensation Reaction in Open Atmosphere. <i>Organic Letters</i> , 2015, 17, 5630-5633.	2.4	16
202	Atomic-level organization of vicinal acid-base pairs through the chemisorption of aniline and derivatives onto mesoporous SBA15. <i>Chemical Science</i> , 2016, 7, 6099-6105.	3.7	16
203	Synthesis of group 10 metal complexes with a new unsymmetrical PN ₃ P-pincer ligand through ligand post-modification: Structure and reactivity. <i>Journal of Organometallic Chemistry</i> , 2017, 845, 25-29.	0.8	16
204	Kinetic studies of the photoinduced formation of transition metal-dinitrogen complexes using time-resolved infrared and UV-vis spectroscopy. <i>Coordination Chemistry Reviews</i> , 2006, 250, 1681-1695.	9.5	15
205	Zn-Shaped Pentaleno-Acene Dimers with High Stability and Small Band Gap. <i>Angewandte Chemie</i> , 2016, 128, 2743-2746.	1.6	15
206	Nitrogen atom transfer mediated by a new PN ³ P-pincer nickel core <i>via</i> a putative nitrido nickel intermediate. <i>Chemical Communications</i> , 2018, 54, 3940-3943.	2.2	15
207	Pt-confinement catalyst with dendritic hierarchical pores on excellent sulfur-resistance for hydrosulfurization of dibenzothiophene and 4,6-dimethyldibenzothiophene. <i>Green Energy and Environment</i> , 2022, 7, 324-333.	4.7	15
208	Efficient Synthesis of the Os ^{II} -Os Dimers [Cp(CO)2Os] ₂ , [Cp*(CO)2Os] ₂ , and [(iPr4C5H)(CO)2Os] ₂ and Computational Studies on the Relative Stabilities of Their Geometrical Isomers. <i>Organometallics</i> , 2006, 25, 2209-2215.	1.1	14
209	Trans-1,4 selective polymerization of 1,3-butadiene with symmetry pincer chromium complexes activated by MMAO. <i>Journal of Organometallic Chemistry</i> , 2014, 766, 79-85.	0.8	14
210	A potential role of a substrate as a base for the deprotonation pathway in Rh-catalysed C-H amination of heteroarenes: DFT insights. <i>Dalton Transactions</i> , 2016, 45, 7980-7985.	1.6	14
211	Electrocatalytic Water Oxidation by a Phosphorus-Nitrogen O ₂ -PN ₃ -Pincer Cobalt Complex. <i>Inorganic Chemistry</i> , 2021, 60, 614-622.	1.9	14
212	H-Shaped Oligothiophenes with Low Band Gaps and Amphoteric Redox Properties. <i>Organic Letters</i> , 2010, 12, 5660-5663.	2.4	13
213	Quinoidal Oligo(9,10-anthryl)s with Chain-Length-Dependent Ground States: A Balance between Aromatic Stabilization and Steric Strain Release. <i>Chemistry - A European Journal</i> , 2015, 21, 18724-18729.	1.7	13
214	Tungsten(VI) Carbyne/Bis(carbene) Tautomerization Enabled by N-Donor SBA15 Surface Ligands: A Solid-State NMR and DFT Study. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11162-11166.	7.2	13
215	N-Annulated perylene as a donor in cyclopentadithiophene based sensitizers: the effect of the linking mode. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3709-3714.	2.7	13
216	Dimerization of Terminal Aryl Alkynes Catalyzed by Iron(II) Amine-Pyrazolyl Tripodal Complexes with <i>E/Z</i> Selectivity Controlled by <i>tert</i> -Butoxide. <i>ACS Omega</i> , 2018, 3, 5071-5077.	1.6	13

#	ARTICLE	IF	CITATIONS
217	The synthesis, structure, and properties of 5,6,11,12-tetraarylindeno[1,2-b]fluorenes and their applications as donors for organic photovoltaic devices. <i>Organic Chemistry Frontiers</i> , 2017, 4, 675-681.	2.3	12
218	Selective Production of Oxygenates from Carbon Dioxide Hydrogenation over a Mesoporous Silica-Supported Copper-Gallium Nanocomposite Catalyst. <i>ChemCatChem</i> , 2018, 10, 1360-1369.	1.8	12
219	CO ₂ hydrogenation by phosphorus-nitrogen P ₃ P-pincer iridium hydride complexes: elucidation of the deactivation pathway. <i>Dalton Transactions</i> , 2019, 48, 12812-12816.	1.6	12
220	Nonoxidative Dehydrogenation of Methanol to Methyl Formate through Highly Stable and Reusable CuMgO-Based Catalysts. <i>ACS Omega</i> , 2019, 4, 1854-1860.	1.6	12
221	Screening and design of active metals on dendritic mesoporous Ce _{0.3} Zr _{0.7} O ₂ for efficient CO ₂ hydrogenation to methanol. <i>Fuel</i> , 2022, 317, 123471.	3.4	12
222	Mechanism and Regioselectivity of Rh(III)-Catalyzed Intermolecular Annulation of Aryl-Substituted Diazenecarboxylates and Alkenes: DFT Insights. <i>Organometallics</i> , 2016, 35, 450-455.	1.1	11
223	Extending the Second-Generation Phosphorus-Nitrogen P ₃ P-pincer Ligand Family through Ligand Post-Modification. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 60-64.	0.8	11
224	Selective carbonylation of benzene to benzaldehyde using a phosphorus-nitrogen P ₃ P-rhodium(III) complex. <i>Organic Chemistry Frontiers</i> , 2019, 6, 721-724.	2.3	11
225	Solvent effects on high-pressure hydrogen gas generation by dehydrogenation of formic acid using ruthenium complexes. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28507-28513.	3.8	11
226	Hydrolysis of CpTiCl ₂ (TEMPO) and its application on one-pot syntheses of CpTiCl(OR) ₂ complexes. <i>Dalton Transactions</i> , 2004, , 354.	1.6	10
227	Supramolecular nanotubes with high thermal stability: a rigidity enhanced structure transformation induced by electron-beam irradiation and heat. <i>Journal of Materials Chemistry</i> , 2007, 17, 2307.	6.7	10
228	N-Heterocyclic Carbene-Catalysed Diastereoselective Vinylogous Mukaiyama/Michael Reaction of 2-(Trimethylsilyloxy)furan and Enones. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 1362-1365.	1.3	10
229	Editors' Choice "Growth of Layered WS ₂ Electrocatalysts for Highly Efficient Hydrogen Production Reaction. <i>ECS Journal of Solid State Science and Technology</i> , 2016, 5, Q3067-Q3071.	0.9	10
230	CO ₂ activation through silylimido and silylamido zirconium hydrides supported on N-donor chelating SBA15 surface ligands. <i>Chemical Communications</i> , 2016, 52, 2577-2580.	2.2	10
231	Mesoporous silica-supported V-substituted heteropoly acid for efficient selective conversion of glycerol to formic acid. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 1-8.	2.4	10
232	One Pot Hydrogenation of Furfural to 2-Methyl Tetrahydrofuran over Supported Mono- and Bi-metallic Catalysts. <i>ChemistrySelect</i> , 2020, 5, 9590-9600.	0.7	10
233	Ancillary Ligand and Ketone Substituent Effects on the Rate of Ketone Insertion into Zr-C Bonds of Zirconocene-1-Aza-1,3-diene Complexes. <i>Organometallics</i> , 2009, 28, 2938-2946.	1.1	9
234	A route to hydroxylfluorenes: TsOH-mediated condensation reactions of 1,3-diketones with propargylic alcohols. <i>RSC Advances</i> , 2012, 2, 7594.	1.7	9

#	ARTICLE	IF	CITATIONS
235	Comparison of the One-Electron Oxidations of CO-Bridged vs Unbridged Bimetallic Complexes: Electron-Transfer Chemistry of Os ₂ Cp ₂ (CO) ₄ and Os ₂ Cp* ₂ (1/4-CO) ₂ (CO) ₂ (Cp = η^5 -C ₅ H ₅). <i>Organometallics</i> , 2014, 33, 4716-4728.	1.0	7
236	ZIF-8 gate tuning via terminal group modification: A computational study. <i>Chemical Physics Letters</i> , 2016, 658, 270-275.	1.2	9
237	The Importance of Metal-Ligand Cooperativity in the Phosphorus-Nitrogen P ₃ P Platform: A Computational Study on Mn-Catalyzed Pyrrole Synthesis. <i>Organometallics</i> , 2020, 39, 18-24.	1.1	9
238	Epitaxial Growth and Determination of Band Alignment of Bi ₂ Te ₃ -WSe ₂ Vertical van der Waals Heterojunctions. <i>ACS Applied Materials</i> , 2020, 13, 1351-1359.	1.0	9
239	Asymmetric Three-Component Heck Arylation/Amination of Nonconjugated Cycloienes. <i>Angewandte Chemie</i> , 2020, 132, 5379-5383.	1.6	9
240	Redox-Neutral Imination of Alcohol with Azide: A Sustainable Alternative to the Staudinger/Aza-Wittig Reaction. <i>ACS Catalysis</i> , 2021, 11, 4071-4076.	5.5	9
241	Redox induced oxidative C-C coupling of non-innocent bis(heterocyclo)methanides. <i>Dalton Transactions</i> , 2021, 50, 16647-16659.	1.6	9
242	Isolation and X-ray structures of four Rh(PCP) complexes including a Rh(I) dioxygen complex with a short O-O bond. <i>Polyhedron</i> , 2013, 58, 106-114.	1.0	8
243	Palladium-catalyzed direct C-H arylations of dioxothiophenes bearing reactive functional groups: a step-economical approach for functional π -conjugated oligoarenes. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8505-8511.	1.5	8
244	Surface-reconstructed Cu electrode via a facile electrochemical anodization-reduction process for low overpotential CO ₂ reduction. <i>Journal of Saudi Chemical Society</i> , 2017, 21, 708-712.	2.4	8
245	Inner-sphere electron transfer at the ruthenium-azo interface. <i>Dalton Transactions</i> , 2022, 51, 2547-2559.	1.6	8
246	TCNQ-embedded heptacene and nonacene: synthesis, characterization and physical properties. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6285.	1.5	7
247	Computationally guided design of a new Rh catalyst for selective formic acid dehydrogenation: Validation with caution. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28421-28429.	3.8	7
248	Catalytic Diastereoselective Tandem Conjugate Addition-Elimination Reaction of Morita-Baylis-Hillman Adducts by C-C Bond Cleavage. <i>Chemistry - an Asian Journal</i> , 2012, 7, 771-777.	1.7	6
249	Environmentally benign synthesis of amides and ureas via catalytic dehydrogenation coupling of volatile alcohols and amines in a Pd-Ag membrane reactor. <i>Journal of Membrane Science</i> , 2016, 515, 212-218.	4.1	6
250	A New Role for CO ₂ : Controlling Agent of the Anionic Ring-Opening Polymerization of Cyclic Esters. <i>Macromolecules</i> , 2017, 50, 6752-6761.	2.2	6
251	Glucosylated daphniphyllum alkaloids from <i>Daphniphyllum glaucescens</i> . <i>Scientific Reports</i> , 2018, 8, 15417.	1.6	6
252	Importance of thorough conformational analysis in modelling transition metal-mediated reactions: Case studies on pincer complexes containing phosphine groups. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 1206-1218.	2.4	6

#	ARTICLE	IF	CITATIONS
253	Tailored pore size and microporosity of covalent organic framework (COF) membranes for improved molecular separation. , 2021, 1, 100008.		6
254	Synthesis, crystal structure and reactivity studies of iron complexes with pybox ligands. <i>Inorganica Chimica Acta</i> , 2014, 423, 320-325.	1.2	5
255	Câ€“S Cross-Coupling Reactions Catalyzed by Recyclable Core-Shell Structured Copper/Cu ₂ O Nanowires Under Ligand-Free Conditions. <i>Journal of Molecular and Engineering Materials</i> , 2015, 03, 1540001.	0.9	5
256	Theoretical model estimation of guest diffusion in metalâ€“organic frameworks (MOFs). <i>RSC Advances</i> , 2015, 5, 70433-70438.	1.7	5
257	Interrogating the steric outcome during H ₂ heterolysis: in-plane steric effects in the regioselective protonation of the PN ₃ P-pincer ligand. <i>Dalton Transactions</i> , 2019, 48, 12817-12821.	1.6	5
258	Bisacenaphthopyrazinoquinoxaline derivatives: synthesis, physical properties and applications as semiconductors for n-channel field effect transistors. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5683.	1.5	4
259	Ligand-centered reactivity of a pseudo-dearomatized phosphorus-nitrogen PN ³ P* rhodium complex towards molecular oxygen at room temperature. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2017-2022.	3.0	4
260	Efficient and chemoselective hydrogenation of aldehydes catalyzed by well-defined PN ³ â€“pincer manganese (<sc>ii</sc>) catalyst precursors: an application in furfural conversion. <i>Chemical Communications</i> , 2021, 57, 11815-11818.	2.2	4
261	Synthesis, Structure, and Polymerization Activity of a Titanium Complex with a Chelating [(Hydroxy- ¹⁸ O)amino- ¹⁵ N]phenolato(2â€“)- ¹⁸ O Ligand. <i>Helvetica Chimica Acta</i> , 2006, 89, 1589-1595.	1.0	3
262	DFT mechanistic study of the selective terminal Câ€“H activation of n -pentane with a tungsten allyl nitrosyl complex. <i>Journal of Saudi Chemical Society</i> , 2017, 21, 558-562.	2.4	3
263	Enhanced Reactivity of Aluminum Complexes Containing P-Bridged Biphenolate Ligands in Ring-Opening Polymerization Catalysis. <i>Frontiers in Chemistry</i> , 2018, 6, 607.	1.8	3
264	Mechanistic elucidation of the role of metal oxidation states in nickel mediated electrocatalytic coupling of benzyl halides. <i>Green Synthesis and Catalysis</i> , 2020, 1, 143-149.	3.7	3
265	A Career in Catalysis: Jean-Marie M. Basset. <i>ACS Catalysis</i> , 2022, 12, 4961-4977.	5.5	3
266	Dehydrogenation of formic acid mediated by a Phosphorusâ€“Nitrogen PN ₃ P-manganese pincer complex: Catalytic performance and mechanistic insights. <i>International Journal of Hydrogen Energy</i> , 2023, 48, 26559-26567.	3.8	3
267	The use of a well-defined surface organometallic complex as a probe molecule: [(iâ€“,SiO)Ta ^V Cl ₂ Me ₂] shows different isolated silanol sites on the silica surface. <i>Chemical Communications</i> , 2014, 50, 11721-11723.	2.2	2
268	N-Heterocyclic Carbene-Catalyzed Vinylogous Mukaiyama Aldol Reaction of $\hat{\pm}$ -Keto Esters and $\hat{\pm}$ -Trifluoromethyl Ketones. <i>Synthesis</i> , 2015, 48, 79-84.	1.2	2
269	Chemistry of Anilido Phosphine Complexes of Nickel. <i>Chemistry Letters</i> , 2019, 48, 811-819.	0.7	2
270	Organic Semiconductors: Fastâ€“Response, Highly Airâ€“Stable, and Waterâ€“Resistant Organic Photodetectors Based on a Singleâ€“Crystal Pt Complex (<i>Adv. Mater.</i> 2/2020). <i>Advanced Materials</i> , 2020, 32, 2070015.	11.1	2

#	ARTICLE	IF	CITATIONS
271	Power to formic acid. , 2021, , 169-210.		2
272	Selective benzylic C _{sp³} -H bond activations mediated by a phosphorus-nitrogen PN ³ -nickel complex. Chemical Communications, 2022, 58, 1593-1596.	2.2	2
273	Tungsten(VI) Carbyne/Bis(carbene) Tautomerization Enabled by N-Donor SBA15 Surface Ligands: A Solid-State NMR and DFT Study. Angewandte Chemie, 2016, 128, 11328-11332.	1.6	1
274	Beyond the PN ₃ (P) system: Synthesis of non-symmetrical PONNP pincer ligands and a unique Ni-Ag bimetallic complex containing a short Ag-Ag distance. Journal of the Chinese Chemical Society, 2019, 66, 455-458.	0.8	1
275	Selective catalytic transformation of polystyrene into ethylbenzene over Fe-Cu-Co/Alumina. Journal of Saudi Chemical Society, 2020, 24, 345-350.	2.4	1
276	Alkyl substituted 4-N-oxazadisilinanone cations: A new family of Si protic ionic liquids and its application on esterification reactions. Tetrahedron Letters, 2020, 61, 151941.	0.7	1
277	Synthesis and characterization of second-generation phosphorus-nitrogen PN ³ -Rhodium (I) pincer complexes <i>via</i> ligand post-modification. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1399-1407.	0.6	1
278	Pyrroles and Their Benzo Derivatives: Structure. , 2020, , .		0
279	Selective Conversion of Carbon Dioxide to Formate with High Current Densities. Journal of Molecular and Engineering Materials, 0, , 2150001.	0.9	0
280	Role of noble metal catalysts for transformation of bio-based platform molecules. , 2022, , 641-672.		0