

Somboon Chaemchuen

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191
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ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
191	Metal-organic frameworks: versatile heterogeneous catalysts for efficient catalytic organic transformations. <i>Chemical Society Reviews</i> , 2015 , 44, 6804-49	58.5	1021
190	Characterization and properties of Zn/Co zeolitic imidazolate frameworks vs. ZIF-8 and ZIF-67. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 952-957	13	331
189	Metal-organic frameworks for upgrading biogas via CO ₂ adsorption to biogas green energy. <i>Chemical Society Reviews</i> , 2013 , 42, 9304-32	58.5	295
188	Metal organic frameworks mimicking natural enzymes: a structural and functional analogy. <i>Chemical Society Reviews</i> , 2016 , 45, 4127-70	58.5	283
187	2D Dual-Metal Zeolitic-Imidazolate-Framework-(ZIF)-Derived Bifunctional Air Electrodes with Ultrahigh Electrochemical Properties for Rechargeable Zinc-Air Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1705048	15.6	269
186	Metal-organic molecular cages: applications of biochemical implications. <i>Chemical Society Reviews</i> , 2015 , 44, 9-25	58.5	244
185	Rational Design of Holey 2D Nonlayered Transition Metal Carbide/Nitride Heterostructure Nanosheets for Highly Efficient Water Oxidation. <i>Advanced Energy Materials</i> , 2019 , 9, 1803768	21.8	143
184	Discrete metal-carboxylate self-assembled cages: Design, synthesis and applications. <i>Coordination Chemistry Reviews</i> , 2014 , 280, 1-27	23.2	137
183	Ruthenium Pincer Complexes: Synthesis and Catalytic Applications. <i>Advanced Synthesis and Catalysis</i> , 2015 , 357, 283-330	5.6	114
182	Atom Transfer Radical Polymerization of Vinyl Monomers Mediated by Schiff Base Ruthenium-Alkylidene Catalysts and the Adventitious Effect of Water in Polymerizations with the Analogous Cationic Complexes. <i>Macromolecules</i> , 2002 , 35, 8943-8947	5.5	105
181	Concurrent adsorption and micro-electrolysis of Cr(VI) by nanoscale zerovalent iron/biochar/Ca-alginate composite. <i>Environmental Pollution</i> , 2019 , 247, 410-420	9.3	97
180	A Ruthenium-Catalyzed Approach to the Friedländer Quinoline Synthesis. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 1625-1631	3.2	95
179	Catalytic asymmetric synthesis of enantioenriched heterocycles bearing a C-CF ₃ stereogenic center. <i>Chemistry - A European Journal</i> , 2015 , 21, 8664-84	4.8	94
178	Assessing the Scope of the Introduction of Schiff Bases as Co-Ligands for Monometallic and Homobimetallic Ruthenium Ring-Opening Metathesis Polymerisation and Ring-Closing Metathesis Initiators. <i>Advanced Synthesis and Catalysis</i> , 2002 , 344, 639	5.6	92
177	Alternative materials in technologies for Biogas upgrading via CO ₂ capture. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 79, 1414-1441	16.2	90
176	Olefin metathesis ruthenium catalysts bearing unsymmetrical heterocyclic carbenes. <i>Coordination Chemistry Reviews</i> , 2013 , 257, 2274-2292	23.2	90
175	Indenylidene-Ruthenium Complexes Bearing Saturated N-Heterocyclic Carbenes: Synthesis and Catalytic Investigation in Olefin Metathesis Reactions. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 432-440	2.3	83

174	Zeolitic imidazole framework-67 as an efficient heterogeneous catalyst for the conversion of CO ₂ to cyclic carbonates. <i>New Journal of Chemistry</i> , 2016 , 40, 5170-5176	3.6	83
173	Metal-organic frameworks containing N-heterocyclic carbenes and their precursors. <i>Coordination Chemistry Reviews</i> , 2016 , 307, 188-210	23.2	82
172	Synthesis of Schiff Base-Ruthenium Complexes and Their Applications in Catalytic Processes. <i>Advanced Synthesis and Catalysis</i> , 2005 , 347, 1721-1743	5.6	78
171	Post-synthetic modified MOF for Sonogashira cross-coupling and Knoevenagel condensation reactions. <i>Journal of Catalysis</i> , 2016 , 344, 445-454	7.3	67
170	1 Zn-doped ZIF-67 as catalyst for the CO ₂ fixation into cyclic carbonates. <i>Journal of CO₂ Utilization</i> , 2017 , 20, 282-291	7.6	63
169	Tuning metal sites of DABCO MOF for gas purification at ambient conditions. <i>Microporous and Mesoporous Materials</i> , 2015 , 201, 277-285	5.3	61
168	Comparative Investigation of Hoveyda-Grubbs Catalysts bearing Modified N-Heterocyclic Carbene Ligands. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 1692-1700	5.6	61
167	Engineered synthesis of hierarchical porous organic polymers for visible light and natural sunlight induced rapid degradation of azo, thiazine and fluorescein based dyes in a unique mechanistic pathway. <i>Applied Catalysis B: Environmental</i> , 2018 , 227, 102-113	21.8	58
166	Synthesis of 2D MOF having potential for efficient dye adsorption and catalytic applications. <i>Catalysis Science and Technology</i> , 2018 , 8, 4010-4017	5.5	57
165	A recyclable AgI/OAc catalytic system for the efficient synthesis of alkylidene cyclic carbonates: carbon dioxide conversion at atmospheric pressure. <i>Green Chemistry</i> , 2017 , 19, 2936-2940	10	55
164	A highly controllable latent ruthenium Schiff base olefin metathesis catalyst: Catalyst activation and mechanistic studies. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 302-310	2.5	54
163	Metal-Organic Polyhedra: Catalysis and Reactive Intermediates. <i>Advanced Synthesis and Catalysis</i> , 2015 , 357, 1351-1368	5.6	52
162	Earth-abundant metal complexes as catalysts for water oxidation; is it homogeneous or heterogeneous?. <i>Catalysis Science and Technology</i> , 2015 , 5, 4901-4925	5.5	50
161	Defect formation in metal-organic frameworks initiated by the crystal growth-rate and effect on catalytic performance. <i>Journal of Catalysis</i> , 2017 , 354, 84-91	7.3	49
160	Improved ruthenium catalysts for the modified Friedlaender quinoline synthesis. <i>New Journal of Chemistry</i> , 2007 , 31, 1572	3.6	47
159	Selective Dimerisation and Addition of Carboxylic Acids to Terminal Alkynes, Catalysed by Thermolysed Grubbs Catalyst: A Novel Synthesis of Enynes and Vinyl Esters. <i>European Journal of Organic Chemistry</i> , 2002 , 2002, 3779-3784	3.2	44
158	Water-soluble NHC-Cu catalysts: applications in click chemistry, bioconjugation and mechanistic analysis. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 9350-6	3.9	42
157	Pd-nanoparticle decorated azobenzene based colloidal porous organic polymer for visible and natural sunlight induced Mott-Schottky junction mediated instantaneous Suzuki coupling. <i>Chemical Engineering Journal</i> , 2019 , 358, 580-588	14.7	42

156	Easily Accessible Ring Opening Metathesis and Atom Transfer Radical Polymerization Catalysts based on Arene, Norbornadiene and Cyclooctadiene Ruthenium Complexes Bearing Schiff Base Ligands. <i>Advanced Synthesis and Catalysis</i> , 2003 , 345, 393-401	5.6	41
155	Robust and efficient catalyst derived from bimetallic Zn/Co zeolitic imidazolate frameworks for CO ₂ conversion. <i>Journal of Catalysis</i> , 2019 , 370, 38-45	7.3	41
154	Ruthenium-Based NHC-Arene Systems as Ring-Opening Metathesis Polymerisation Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 5578-5583	2.3	40
153	From atom transfer radical addition to atom transfer radical polymerisation of vinyl monomers mediated by ruthenium indenylidene complexes. <i>New Journal of Chemistry</i> , 2003 , 27, 257-262	3.6	40
152	Carboxylation of Terminal Alkynes with Carbon Dioxide Catalyzed by an In Situ Ag ₂ O/N-Heterocyclic Carbene Precursor System. <i>ChemCatChem</i> , 2017 , 9, 882-887	5.2	36
151	A Robust Molecular Catalyst Generated In Situ for Photo- and Electrochemical Water Oxidation. <i>ChemSusChem</i> , 2017 , 10, 862-875	8.3	36
150	Opportunities of Immobilized Homogeneous Metathesis Complexes as Prominent Heterogeneous Catalysts. <i>ChemCatChem</i> , 2016 , 8, 3010-3030	5.2	36
149	New Indenylidene-Schiff Base-Ruthenium Complexes for Cross-Metathesis and Ring-Closing Metathesis. <i>Advanced Synthesis and Catalysis</i> , 2009 , 351, 2689-2701	5.6	36
148	Extraction and characterization of natural fiber from Eleusine indica grass as reinforcement of sustainable fiber reinforced polymer composites. <i>Journal of Natural Fibers</i> , 2019 , 1-9	1.8	36
147	An N-heterocyclic carbene based MOF catalyst for Sonogashira cross-coupling reaction. <i>Catalysis Science and Technology</i> , 2016 , 6, 2050-2054	5.5	35
146	Indenylidene Complexes of Ruthenium Bearing NHC Ligands: Structure Elucidation and Performance as Catalysts for Olefin Metathesis. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 655-665	3.2	35
145	Investigation of the preparation and catalytic activity of supported Mo, W, and Re oxides as heterogeneous catalysts in olefin metathesis. <i>Catalysis Reviews - Science and Engineering</i> , 2016 , 58, 113-156	12.6	34
144	ALD-Developed Plasmonic Two-Dimensional Au-WO ₃ -TiO ₂ Heterojunction Architectonics for Design of Photovoltaic Devices. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10304-10314	9.5	33
143	Characterization of Natural Fibers from Cortaderia Selloana Grass (Pampas) as Reinforcement Material for the Production of the Composites. <i>Journal of Natural Fibers</i> , 2020 , 1-9	1.8	33
142	Selective and adsorptive removal of anionic dyes and CO with azolium-based metal-organic frameworks. <i>Journal of Colloid and Interface Science</i> , 2018 , 519, 214-223	9.3	32
141	Periodic Mesoporous Organosilicas Consisting of 3D Hexagonally Ordered Interconnected Globular Pores. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5556-5562	3.8	32
140	Metal-organic frameworks as catalysts for sugar conversion into platform chemicals: State-of-the-art and prospects. <i>Coordination Chemistry Reviews</i> , 2019 , 401, 213064	23.2	31
139	Mechanistic Insight into the Rhodium-Catalyzed OBE Insertion Reaction: A DFT Study. <i>Organometallics</i> , 2014 , 33, 2448-2456	3.8	31

138	Effects of nitrogen and oxygen functional groups and pore width of activated carbon on carbon dioxide capture: Temperature dependence. <i>Chemical Engineering Journal</i> , 2020 , 389, 124413	14.7	30
137	Hydrothermal synthesis, structure, and photoluminescence of four complexes based on 1H-imidazole-4,5-dicarboxylate or 1H-imidazole-2-carboxylate ligands. <i>Journal of Coordination Chemistry</i> , 2010 , 63, 4188-4200	1.6	30
136	The structure-reactivity relationship for metathesis reaction between ethylene and 2-butene on WO ₃ /SiO ₂ catalysts calcinated at different temperatures. <i>Kinetics and Catalysis</i> , 2012 , 53, 247-252	1.5	29
135	Nanostructured tungsten oxide thin film devices: from optoelectronics and ionics to iontronics. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 12968-12990	7.1	28
134	CO Cycloaddition to Epoxides by using M-DABCO Metal-Organic Frameworks and the Influence of the Synthetic Method on Catalytic Reactivity. <i>ChemistryOpen</i> , 2017 , 6, 674-680	2.3	26
133	A new heterogeneous hybrid ruthenium catalyst being an eco-friendly option for the production of polymers and organic intermediates. <i>New Journal of Chemistry</i> , 2002 , 26, 1201-1208	3.6	26
132	Simultaneous creation of metal nanoparticles in metal organic frameworks via spray drying technique. <i>Chemical Engineering Journal</i> , 2017 , 322, 702-709	14.7	25
131	Highly active dinuclear cobalt complexes for solvent-free cycloaddition of CO to epoxides at ambient pressure. <i>Chemical Communications</i> , 2019 , 55, 8274-8277	5.8	25
130	One-pot carboxylative cyclization of propargylic alcohols and CO ₂ catalysed by N-heterocyclic carbene/Ag systems. <i>Applied Organometallic Chemistry</i> , 2017 , 31, e3867	3.1	24
129	A simple and robust AgI/KOAc catalytic system for the carboxylative assembly of propargyl alcohols and carbon dioxide at atmospheric pressure. <i>Catalysis Science and Technology</i> , 2017 , 7, 2935-2939	5.5	24
128	3D derived N-doped carbon matrix from 2D ZIF-L as an enhanced stable catalyst for chemical fixation. <i>Microporous and Mesoporous Materials</i> , 2019 , 285, 80-88	5.3	24
127	Efficient transformative HCHO capture by defective NH ₂ -UiO-66(Zr) at room temperature. <i>Environmental Science: Nano</i> , 2019 , 6, 2931-2936	7.1	24
126	Zn@ZIF-67 as Catalysts for the Knoevenagel Condensation of Aldehyde Derivatives with Malononitrile. <i>Catalysis Letters</i> , 2017 , 147, 2410-2420	2.8	24
125	The Pyroglutamate Hydantoin Rearrangement. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 2649-2660	3.6	23
124	Atom Transfer Radical Polymerization of vinyl monomers mediated by a new class of neutral and cationic ruthenium alkylidene catalysts containing a 1,3-dimesityl-4,5-dihydroimidazol-2-ylidene and a Schiff base ligand. <i>Polymer Bulletin</i> , 2003 , 50, 153-160	2.4	23
123	Highly active bidentate N-heterocyclic carbene/ruthenium complexes performing dehydrogenative coupling of alcohols and hydroxides in open air. <i>Chemical Communications</i> , 2019 , 55, 8591-8594	5.8	22
122	Cobalt salophen complexes for light-driven water oxidation. <i>Catalysis Science and Technology</i> , 2016 , 6, 4271-4282	5.5	22
121	O,N-Bidentate Ruthenium Azo Complexes as Catalysts for Olefin Isomerization Reactions. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 1536-1543	2.3	22

120	Core-shell metal-organic frameworks and metal functionalization to access highest efficiency in catalytic carboxylation. <i>Journal of Catalysis</i> , 2019 , 371, 106-115	7.3	20
119	In situ Generated Ruthenium Catalyst Systems Bearing Diverse N-Heterocyclic Carbene Precursors for Atom-Economic Amide Synthesis from Alcohols and Amines. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 440-448	4.5	20
118	Post-synthetically modified MOF for the A3-coupling reaction of aldehyde, amine, and alkyne. <i>Catalysis Science and Technology</i> , 2018 , 8, 4129-4140	5.5	20
117	Rational design and convenient synthesis of a novel family of ruthenium complexes with O,N-bidentate ligands. <i>Open Chemistry</i> , 2005 , 3, 404-416	1.6	20
116	Mono- and dinuclear organotin(IV) complexes for solvent free cycloaddition of CO ₂ to epoxides at ambient pressure. <i>Journal of CO₂ Utilization</i> , 2018 , 28, 313-318	7.6	20
115	Chemical fixation of carbon dioxide catalyzed via cobalt (III) ONO pincer ligated complexes. <i>Communications Chemistry</i> , 2019 , 2,	6.3	19
114	ONO pincer type ligand complexes of Al(III) as efficient catalyst for chemical fixation of CO ₂ to epoxides at atmospheric pressure. <i>Journal of Catalysis</i> , 2019 , 377, 190-198	7.3	19
113	Cross-Linked Mixed-Matrix Membranes Using Functionalized UiO-66-NH into PEG/PPG-PDMS-Based Rubbery Polymer for Efficient CO Separation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 57916-57931	7.5	19
112	From Biogas to Biofuel: Materials Used for Biogas Cleaning to Biomethane. <i>ChemBioEng Reviews</i> , 2016 , 3, 250-265	5.2	19
111	Flexibility in Metal-Organic Frameworks: A Basic Understanding. <i>Catalysts</i> , 2019 , 9, 512	4	18
110	Sonochemical functionalization of the low-dimensional surface oxide of Gallium for heterostructured optoelectronic applications. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 5584-5595	7.1	18
109	MoO ₃ nanoparticle formation on zeolitic imidazolate framework-8 by rotary chemical vapor deposition. <i>Microporous and Mesoporous Materials</i> , 2018 , 267, 185-191	5.3	18
108	Spray drying of zeolitic imidazolate frameworks: investigation of crystal formation and properties. <i>CrystEngComm</i> , 2018 , 20, 3601-3608	3.3	18
107	Rapid room temperature synthesis forming pillared metal-organic frameworks with Kagome-like topology. <i>Microporous and Mesoporous Materials</i> , 2017 , 239, 28-33	5.3	17
106	Isomeric periodic mesoporous organosilicas with controllable properties. <i>Journal of Materials Chemistry</i> , 2009 , 19, 8839		17
105	Controlled Radical Polymerization Mediated by Cationic Arene Ruthenium Complexes. <i>Polymer Bulletin</i> , 2003 , 50, 17-23	2.4	17
104	Effect of alkali treatment on performance characterization of Ziziphus mauritiana fiber and its epoxy composites. <i>Journal of Industrial Textiles</i> , 2020 , 152808372094261	1.6	17
103	Tunable Metal-Organic Frameworks for Heat Transformation Applications. <i>Nanomaterials</i> , 2018 , 8,	5.4	17

102	Synthesis and characterization of non-chelating ruthenium indenylidene olefin metathesis catalysts derived from substituted 1,1-diphenyl-2-propyn-1-ols. <i>New Journal of Chemistry</i> , 2015 , 39, 1858-1867	3.6	16
101	CO ₂ -Promoted Hydration of Propargylic Alcohols: Green Synthesis of β -Hydroxy Ketones by an Efficient and Recyclable AgOAc/Ionic Liquid System. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 8148-8155	8.3	16
100	Control of interpenetration via in situ lithium incorporation in MOFs and their gas adsorption properties and selectivity. <i>CrystEngComm</i> , 2016 , 18, 7614-7619	3.3	16
99	Fully-sulfonated hydrated UiO66 as efficient catalyst for ethyl levulinate production by esterification. <i>Catalysis Communications</i> , 2018 , 117, 33-37	3.2	16
98	Triazole based cobalt catalyst for CO ₂ insertion into epoxide at ambient pressure. <i>Applied Catalysis A: General</i> , 2020 , 591, 117384	5.1	16
97	Enhancing catalytic performance via structure core-shell metal-organic frameworks. <i>Journal of Catalysis</i> , 2019 , 375, 371-379	7.3	15
96	Ring-Opening Polymerization of L-Lactide to Cyclic Poly(Lactide) by Zeolitic Imidazole Framework ZIF-8 Catalyst. <i>ChemSusChem</i> , 2017 , 10, 4135-4139	8.3	15
95	Latent Olefin Metathesis Catalysts for Polymerization of DCPD. <i>Macromolecular Symposia</i> , 2010 , 293, 1-4	0.8	15
94	Highly Efficient N-Heterocyclic Carbene/Ruthenium Catalytic Systems for the Acceptorless Dehydrogenation of Alcohols to Carboxylic Acids: Effects of Ancillary and Additional Ligands. <i>Catalysts</i> , 2020 , 10, 10	4	15
93	Chemical and photochemical water oxidation catalyzed by novel ruthenium complexes comprising a negatively charged NCNHCO ligand. <i>Catalysis Science and Technology</i> , 2017 , 7, 387-395	5.5	13
92	Bis(imidazole) coordination polymers controlled by oxalate as an auxiliary ligand. <i>Journal of Coordination Chemistry</i> , 2015 , 68, 1199-1212	1.6	13
91	Novel rapid room temperature synthesis of conjugated microporous polymer for metal-free photocatalytic degradation of fluoroquinolones. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122928	12.8	13
90	Macrocyclic cyanocobalamin (vitamin B) as a homogeneous electrocatalyst for water oxidation under neutral conditions. <i>Chemical Communications</i> , 2020 , 56, 1968-1971	5.8	13
89	Ultrasensitive, Sustainable, and Selective Electrochemical Hydrazine Detection by ALD-Developed Two-Dimensional WO ₃ . <i>ChemElectroChem</i> , 2018 , 5, 266-272	4.3	13
88	Depolymerization of 1,4-polybutadiene by metathesis: high yield of large macrocyclic oligo(butadiene)s by ligand selectivity control. <i>Catalysis Science and Technology</i> , 2016 , 6, 7708-7717	5.5	12
87	Two new Ln/Ag heterometallic-based conversion phosphors constructed by 1H-benzimidazole-5,6-dicarboxylic acid. <i>CrystEngComm</i> , 2012 , 14, 1753	3.3	12
86	Nano-engineering and functionalization of hybrid Au-MeO-TiO (Me = W, Ga) hetero-interfaces for optoelectronic receptors and nociceptors. <i>Nanoscale</i> , 2020 , 12, 20177-20188	7.7	12
85	State-of-the-art surface oxide semiconductors of liquid metals: an emerging platform for development of multifunctional two-dimensional materials. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 34-73	13	12

84	Synthesis of Exopropylcarbamates in a recyclable AgBr/ionic liquid catalytic system: An efficient assembly of CO ₂ under ambient pressure. <i>Journal of CO₂ Utilization</i> , 2018 , 27, 217-222	7.6	11
83	One-step synthesis of stereo-pure l,l lactide from l-lactic acid. <i>Catalysis Communications</i> , 2018 , 114, 33-36	3.2	11
82	Di-methyl carbonate transesterification with EtOH over MOFs: Basicity and synergic effect of basic and acid active sites. <i>Catalysis Communications</i> , 2018 , 104, 82-85	3.2	10
81	Homogenous electrochemical water oxidation by a nickel(II) complex based on a macrocyclic N-heterocyclic carbene/pyridine hybrid ligand. <i>Catalysis Science and Technology</i> , 2019 , 9, 5651-5659	5.5	9
80	A Cu-based MOF for the effective carboxylation of terminal alkynes with CO ₂ under mild conditions. <i>Journal of CO₂ Utilization</i> , 2020 , 39, 101177	7.6	9
79	Dual remediation of waste waters from methylene blue and chromium (VI) using thermally induced ZnO nanofibers. <i>Applied Surface Science</i> , 2020 , 514, 145939	6.7	9
78	Synergistic performance of a sub-nanosopic cobalt and imidazole grafted porous organic polymer for CO ₂ fixation to cyclic carbonates under ambient pressure without a co-catalyst. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 13916-13920	13	9
77	Conjugated mesoporous polyazobenzenePd(II) composite: A potential catalyst for visible-light-induced Sonogashira coupling. <i>Journal of Catalysis</i> , 2019 , 377, 183-189	7.3	9
76	CO ₂ insertion into epoxides using cesium salts as catalysts at ambient pressure. <i>Catalysis Science and Technology</i> , 2019 , 9, 3868-3873	5.5	9
75	Influence of lactic acid on the catalytic performance of MDABCO for ring-opening polymerization of l-lactide. <i>Applied Catalysis A: General</i> , 2017 , 546, 15-21	5.1	9
74	Oxygen-chelated indenylidene ruthenium catalysts for olefin metathesis. <i>Applied Organometallic Chemistry</i> , 2015 , 29, 573-579	3.1	9
73	Olefin isomerization reactions catalyzed by ruthenium hydrides bearing Schiff base ligands. <i>Applied Organometallic Chemistry</i> , 2011 , 25, 601-607	3.1	9
72	Heterostructured plasmonic memristors with tunable opto-synaptic functionalities. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 2539-2549	7.1	9
71	Kinetic modeling of oleic acid esterification with UiO-66: from intrinsic experimental data to kinetics via elementary reaction steps. <i>Chemical Engineering Journal</i> , 2020 , 394, 124816	14.7	8
70	MIL-101(Cr) for CO ₂ Conversion into Cyclic Carbonates, Under Solvent and Co-Catalyst Free Mild Reaction Conditions. <i>Catalysts</i> , 2020 , 10, 453	4	8
69	Metal-Organic Framework as Catalyst in Esterification of Oleic Acid for Biodiesel Production. <i>International Journal of Environmental Science and Development</i> , 2017 , 8, 251-254	0.4	8
68	Engineering metal-organic frameworks for efficient photocatalytic conversion of CO ₂ into solar fuels. <i>Coordination Chemistry Reviews</i> , 2022 , 450, 214245	23.2	8
67	Isoxazole derivatives of silatrane: synthesis, characterization, in silico ADME profile, prediction of potential pharmacological activity and evaluation of antimicrobial action. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5976	3.1	8

66	Smart recycling of PET to sorbents for insecticides through in situ MOF growth. <i>Applied Materials Today</i> , 2021 , 22, 100910	6.6	8
65	Cobalt embedded in nitrogen-doped porous carbon as a robust heterogeneous catalyst for the atom-economic alcohol dehydrogenation to carboxylic acids. <i>Carbon</i> , 2021 , 174, 284-294	10.4	8
64	Nanoscale Au-ZnO Heterostructure Developed by Atomic Layer Deposition Towards Amperometric HO Detection. <i>Nanoscale Research Letters</i> , 2020 , 15, 41	5	7
63	Effects of temperature on methanol adsorption on functionalized graphite: Saturation of functional groups. <i>Chemical Engineering Science</i> , 2018 , 187, 16-26	4.4	7
62	The effect of synthesis procedure on the catalytic performance of isostructural ZIF-8. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4062	3.1	7
61	Influence of micro- and nano-sized SiO ₂ excess support on the metathesis of ethylene and trans-2-butene to propylene over silica-supported tungsten catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2014 , 113, 225-240	1.6	7
60	One-Step Synthesis of 2,5-Bis(chloromethyl)-1,4-dioxane from Epichlorohydrin Using ZIF-8, Taking Advantage of Structural Defects. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 4947-4954	2.3	7
59	Color improvement of C9 hydrocarbon resin by hydrogenation over 2% Pd/Alumina catalyst: Effect of degree of aromatic rings hydrogenation. <i>Journal of Applied Polymer Science</i> , 2010 , 117, n/a-n/a	2.9	7
58	Thermochemical transformation in the single-step synthesis of zeolitic imidazole frameworks under solvent-free conditions. <i>Dalton Transactions</i> , 2020 , 49, 2811-2818	4.3	7
57	Palladium metallated shell layer of shell@core MOFs as an example of an efficient catalyst design strategy for effective olefin hydrogenation reaction. <i>Journal of Catalysis</i> , 2020 , 392, 141-149	7.3	7
56	Effects of functional group concentration, type, and configuration on their saturation of methanol adsorption on functionalized graphite. <i>Applied Surface Science</i> , 2020 , 501, 144121	6.7	7
55	An efficient and recyclable AgNO ₃ /ionic liquid system catalyzed atmospheric CO ₂ utilization: Simultaneous synthesis of 2-oxazolidinones and hydroxyl ketones. <i>Journal of Catalysis</i> , 2021 , 393, 70-82	7.3	7
54	Synthesis and characterization of [Ru(NCNHCO)(bpy)L] ⁺ complexes and their reactivity towards water oxidation. <i>New Journal of Chemistry</i> , 2018 , 42, 2476-2482	3.6	6
53	Detailed theoretical investigation of excited-state intramolecular proton transfer mechanism of a new chromophore II. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 154, 130-134	4.4	6
52	Progress on Catalyst Development for Direct Synthesis of Dimethyl Carbonate from CO ₂ and Methanol. <i>Chemistry Africa</i> , 2019 , 2, 533-549	2.2	6
51	Atomic layer deposition state-of-the-art approach to nanoscale hetero-interfacial engineering of chemical sensors electrodes: A review. <i>Sensors and Actuators B: Chemical</i> , 2021 , 331, 129403	8.5	6
50	Chemical and Photochemical Water Oxidation by [RuCl(NCNHCO)(DMSO)(py)]-Type Complexes. <i>ChemCatChem</i> , 2017 , 9, 2565-2573	5.2	5
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