

# Amarajothi Dhakshinamoorthy

List of Publications by Year  
in descending order

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243  
papers

27,454  
citations

5574

82  
h-index

5988

160  
g-index

270  
all docs

270  
docs citations

270  
times ranked

25498  
citing authors

#	ARTICLE	IF	CITATIONS
1	Doped microporous graphitic carbons as metal-free catalysts for the selective hydrogenation of alkynes to alkenes. <i>Journal of Catalysis</i> , 2022, 405, 355-362.	6.2	8
2	Friedel-Crafts alkylation reaction efficiently catalyzed by a di-amide functionalized Zr(IV) metal-organic framework. <i>Molecular Catalysis</i> , 2022, 517, 112007.	2.0	6
3	Detecting Lewis acid sites in metal-organic frameworks by density functional theory. <i>Molecular Catalysis</i> , 2022, 517, 112042.	2.0	7
4	Supported metals on porous solids as heterogeneous catalysts for the synthesis of propargylamines. <i>New Journal of Chemistry</i> , 2022, 46, 1469-1482.	2.8	4
5	A Quasi-Metal-Organic Framework Based on Cobalt for Improved Catalytic Conversion of Aquatic Pollutant 4-Nitrophenol. <i>Journal of Physical Chemistry C</i> , 2022, 126, 683-692.	3.1	18
6	Two birds with one arrow: a functionalized Al( $\text{MOF}$ ) acts as a fluorometric sensor of dopamine in bio-fluids and a recyclable catalyst for the Biginelli reaction. <i>Journal of Materials Chemistry C</i> , 2022, 10, 6717-6727.	5.5	21
7	Diamino group-functionalized Zr-based metal-organic framework for fluorescence sensing of free chlorine in the aqueous phase and Knoevenagel condensation. <i>Dalton Transactions</i> , 2022, 51, 6964-6975.	3.3	14
8	Remarkable Activity of 002 Facet of Ruthenium Nanoparticles Grown on Graphene Films on the Photocatalytic $\text{CO}_2$ Methanation. <i>Advanced Sustainable Systems</i> , 2022, 6, .	5.3	7
9	Tridimensional N, P-Codoped Carbon Sponges as Highly Selective Catalysts for Aerobic Oxidative Coupling of Benzylamine. <i>ACS Omega</i> , 2022, 7, 11092-11100.	3.5	5
10	Recent Progress and Prospects in Catalytic Water Treatment. <i>Chemical Reviews</i> , 2022, 122, 2981-3121.	47.7	139
11	Porphyrin Catecholate Iron-Based Metal-Organic Framework for Efficient Visible Light-Promoted One-Pot Tandem $\text{C}-\text{C}$ Couplings. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5315-5322.	6.7	22
12	Shaping MOF oxime oxidation catalysts as three-dimensional porous aerogels through structure-directing growth inside chitosan microspheres. <i>Green Chemistry</i> , 2022, 24, 4533-4543.	9.0	16
13	Tuning the Photocatalytic Activity of Ti-Based Metal-Organic Frameworks through Modulator Defect-Engineered Functionalization. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 21007-21017.	8.0	17
14	Arene borylation through C-H activation using $\text{Cu}_3(\text{BTC})_2$ as heterogeneous catalyst. <i>Catalysis Today</i> , 2021, 366, 212-217.	4.4	6
15	Pristine and modified chitosan as solid catalysts for catalysis and biodiesel production: A minireview. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 807-833.	7.5	27
16	Bifunctional metal-organic frameworks for the hydrogenation of nitrophenol using methanol as the hydrogen source. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 794-800.	2.8	5
17	Metal-Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. <i>Angewandte Chemie</i> , 2021, 133, 11148-11167.	2.0	12
18	UiO-66(Ce) metal-organic framework as a highly active and selective catalyst for the aerobic oxidation of benzyl amines. <i>Molecular Catalysis</i> , 2021, 499, 111277.	2.0	22

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19	Straightforward synthesis of a porous chromium-based porphyrinic metal-organic framework for visible-light triggered selective aerobic oxidation of benzyl alcohol to benzaldehyde. <i>Applied Catalysis A: General</i> , 2021, 611, 117965.	4.3	27
20	Metal-Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11048-11067.	13.8	179
21	Cobalt-Based Metal Organic Frameworks as Solids Catalysts for Oxidation Reactions. <i>Catalysts</i> , 2021, 11, 95.	3.5	12
22	Photocatalysis by metal-organic frameworks. , 2021, , 543-559.		1
23	High hydrogen release catalytic activity by quasi-MOFs prepared via post-synthetic pore engineering. <i>Sustainable Energy and Fuels</i> , 2021, 5, 4587-4596.	4.9	8
24	Microporous 3D graphitic carbons obtained by soft templating as carbocatalysts for aerobic oxidation. <i>Applied Catalysis A: General</i> , 2021, 612, 118014.	4.3	3
25	Metal-Organic Frameworks as Versatile Heterogeneous Solid Catalysts for Henry Reactions. <i>Molecules</i> , 2021, 26, 1445.	3.8	29
26	A Zr-Based Metal-Organic Framework with a DUT-52 Structure Containing a Trifluoroacetamido-Functionalized Linker for Aqueous Phase Fluorescence Sensing of the Cyanide Ion and Aerobic Oxidation of Cyclohexane. <i>Inorganic Chemistry</i> , 2021, 60, 4539-4550.	4.0	26
27	Engineering of Active Sites in Metal-Organic Frameworks for Biodiesel Production. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100101.	5.3	23
28	Copper(II)-Doped ZIF-8 as a Reusable and Size Selective Heterogeneous Catalyst for the Hydrogenation of Alkenes using Hydrazine Hydrate. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2108-2119.	2.0	13
29	$\beta$ , $\gamma$ -Enone Borylation by Bis(Pinacolato)Diboron Catalyzed by Cu <sub>3</sub> (BTC) <sub>2</sub> Using Cesium Carbonate as a Base. <i>Nanomaterials</i> , 2021, 11, 1396.	4.1	2
30	Amino Group Functionalized Hf-Based Metal-Organic Framework for Knoevenagel-Doebner Condensation. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3396-3403.	2.0	8
31	Challenges and Opportunities for the Encapsulation of Enzymes over Porous Solids for Biodiesel Production and Cellulose Valorization into Glucose. <i>ChemCatChem</i> , 2021, 13, 4679-4693.	3.7	12
32	Reduced Graphene Oxides as Carbocatalysts in Acceptorless Dehydrogenation of <i>N</i> -Heterocycles. <i>ACS Catalysis</i> , 2021, 11, 14688-14693.	11.2	15
33	Nitro functionalized chromium terephthalate metal-organic framework as multifunctional solid acid for the synthesis of benzimidazoles. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 885-893.	9.4	18
34	Metal organic frameworks as solid catalysts for liquid-phase continuous flow reactions. <i>Chemical Communications</i> , 2020, 56, 26-45.	4.1	47
35	Knoevenagel-Doebner condensation promoted by chitosan as a reusable solid base catalyst. <i>Molecular Catalysis</i> , 2020, 484, 110744.	2.0	18
36	MIL-101(Fe) as an active heterogeneous solid acid catalyst for the regioselective ring opening of epoxides by indoles. <i>Molecular Catalysis</i> , 2020, 482, 110628.	2.0	9

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37	Green energy from <i>Coelastrella</i> sp. M-60: Bio-nanoparticles mediated whole biomass transesterification for biodiesel production. <i>Fuel</i> , 2020, 279, 118490.	6.4	14
38	Tuning the active sites in reduced graphene oxide by hydroquinone functionalization for the aerobic oxidations of thiophenol and indane. <i>Molecular Catalysis</i> , 2020, 493, 111093.	2.0	4
39	C N formation reactions in water. , 2020, , 231-254.		0
40	A Robust Titanium Isophthalate Metal-Organic Framework for Visible-Light Photocatalytic CO <sub>2</sub> Methanation. <i>CheM</i> , 2020, 6, 3409-3427.	11.7	41
41	Nanometer-thick films of antimony oxide nanoparticles grafted on defective graphenes as heterogeneous base catalysts for coupling reactions. <i>Journal of Catalysis</i> , 2020, 390, 135-149.	6.2	5
42	Catalysis in Confined Spaces of Metal Organic Frameworks. <i>ChemCatChem</i> , 2020, 12, 4732-4753.	3.7	61
43	Plasma-Induced Defects Enhance the Visible-Light Photocatalytic Activity of MIL-125(Ti)-NH <sub>2</sub> for Overall Water Splitting. <i>Chemistry - A European Journal</i> , 2020, 26, 15682-15689.	3.3	35
44	Gold-Nanoparticle-Decorated Metal-Organic Frameworks for Anticancer Therapy. <i>ChemMedChem</i> , 2020, 15, 2236-2256.	3.2	8
45	A Pyridyltriazol Functionalized Zirconium Metal-Organic Framework for Selective and Highly Efficient Adsorption of Palladium. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 25221-25232.	8.0	107
46	Metal organic frameworks for biomass conversion. <i>Chemical Society Reviews</i> , 2020, 49, 3638-3687.	38.1	176
47	Bimetallic iron-copper oxide nanoparticles supported on nanometric diamond as efficient and stable sunlight-assisted Fenton photocatalyst. <i>Chemical Engineering Journal</i> , 2020, 393, 124770.	12.7	31
48	Photocatalytic Overall Water Splitting Activity of Templateless Structured Graphitic Nanoparticles Obtained from Cyclodextrins. <i>ACS Applied Energy Materials</i> , 2020, 3, 6623-6632.	5.1	10
49	A hydrazine functionalized UiO-66(Hf) metal-organic framework for the synthesis of quinolines via Friedländer condensation. <i>New Journal of Chemistry</i> , 2020, 44, 10982-10988.	2.8	13
50	Metal-Organic Frameworks as Multifunctional Solid Catalysts. <i>Trends in Chemistry</i> , 2020, 2, 454-466.	8.5	120
51	Integration of metal organic frameworks with enzymes as multifunctional solids for cascade catalysis. <i>Dalton Transactions</i> , 2020, 49, 11059-11072.	3.3	31
52	Chitosan as a biodegradable heterogeneous catalyst for Knoevenagel condensation between benzaldehydes and cyanoacetamide. <i>Catalysis Communications</i> , 2020, 138, 105954.	3.3	37
53	Influence of oxophilic behavior of UiO-66(Ce) metal-organic framework with superior catalytic performance in Friedel-Crafts alkylation reaction. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5578.	3.5	20
54	Templateless Synthesis of Ultra-Microporous 3D Graphitic Carbon from Cyclodextrins and Their Use as Selective Catalyst for Oxygen Activation. <i>Small Methods</i> , 2020, 4, 1900721.	8.6	10

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55	Influence of Hydrogen Bond Donating Sites in UiO-66 Metal-Organic Framework for Highly Regioselective Methanolysis of Epoxides. ChemCatChem, 2020, 12, 1789-1798.	3.7	27
56	Diamond Nanoparticles in Heterogeneous Catalysis. Chemistry of Materials, 2020, 32, 4116-4143.	6.7	23
57	Highly Active Bisamino Functionalized Zr(IV)-UiO-67 Metal-Organic Framework for Cascade Catalysis. European Journal of Inorganic Chemistry, 2020, 2020, 2830-2834.	2.0	15
58	Catalysis by Metal Nanoparticles Encapsulated Within Metal-Organic Frameworks. Molecular Catalysis, 2020, , 221-247.	1.3	0
59	N-Doped Defective Graphene from Biomass as Catalyst for CO <sub>2</sub> Hydrogenation to Methane. ChemCatChem, 2019, 11, 985-990.	3.7	39
60	2D Metal-Organic Frameworks as Multifunctional Materials in Heterogeneous Catalysis and Electro/Photocatalysis. Advanced Materials, 2019, 31, e1900617.	21.0	309
61	Design of cost-efficient and photocatalytically active Zn-based MOFs decorated with Cu <sub>2</sub> O nanoparticles for CO <sub>2</sub> methanation. Chemical Communications, 2019, 55, 10932-10935.	4.1	34
62	Exploring the catalytic performance of a series of bimetallic MIL-100(Fe, Ni) MOFs. Journal of Materials Chemistry A, 2019, 7, 20285-20292.	10.3	69
63	Acetylation of Alcohols, Amines, Phenols, Thiols under Catalyst and Solvent-Free Conditions. Chemistry, 2019, 1, 69-79.	2.2	19
64	Cu <sub>3</sub> (BTC) <sub>2</sub> metal organic framework as heterogeneous solid catalyst for the reduction of styrenes with silane as reducing agent. Inorganica Chimica Acta, 2019, 496, 119026.	2.4	4
65	Long-Term Photostability in Terephthalate Metal-Organic Frameworks. Angewandte Chemie - International Edition, 2019, 58, 17843-17848.	13.8	40
66	Long-Term Photostability in Terephthalate Metal-Organic Frameworks. Angewandte Chemie, 2019, 131, 18007-18012.	2.0	14
67	Encapsulation of Metal Nanoparticles within Metal-Organic Frameworks for the Reduction of Nitro Compounds. Molecules, 2019, 24, 3050.	3.8	17
68	Engineering Active Sites in Reduced Graphene Oxide: Tuning the Catalytic Activity for Aerobic Oxidation. ACS Sustainable Chemistry and Engineering, 2019, 7, 15948-15956.	6.7	15
69	Catalytic Ozonation Using Edge-Hydroxylated Graphite-Based Materials. ACS Sustainable Chemistry and Engineering, 2019, 7, 17443-17452.	6.7	18
70	A Versatile, Mild and Selective Reduction of Nitroarenes to Aminoarenes Catalyzed by CeO <sub>2</sub> Nanoparticles with Hydrazine Hydrate. ChemistrySelect, 2019, 4, 1379-1386.	1.5	19
71	Uniform nanoporous graphene sponge from natural polysaccharides as a metal-free electrocatalyst for hydrogen generation. RSC Advances, 2019, 9, 99-106.	3.6	20
72	A simple and efficient room temperature silylation of diverse functional groups with hexamethyldisilazane using CeO <sub>2</sub> nanoparticles as solid catalysts. Molecular Catalysis, 2019, 474, 110357.	2.0	3

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73	Tuning the Microenvironment of Gold Nanoparticles Encapsulated within MIL-101(Cr) for the Selective Oxidation of Alcohols with $O_2$ : Influence of the Amino Terephthalate Linker. Chemistry - A European Journal, 2019, 25, 9280-9286.	3.3	15
74	A highly catalytically active Hf(IV) metal-organic framework for Knoevenagel condensation. Microporous and Mesoporous Materials, 2019, 284, 459-467.	4.4	47
75	Highly Active Urea-Functionalized Zr(IV)-UiO-67 Metal-Organic Framework as Hydrogen Bonding Heterogeneous Catalyst for Friedel-Crafts Alkylation. Inorganic Chemistry, 2019, 58, 5163-5172.	4.0	51
76	Mixed-Metal MOFs: Unique Opportunities in Metal-Organic Framework (MOF) Functionality and Design. Angewandte Chemie, 2019, 131, 15330-15347.	2.0	124
77	Mixed-Metal MOFs: Unique Opportunities in Metal-Organic Framework (MOF) Functionality and Design. Angewandte Chemie - International Edition, 2019, 58, 15188-15205.	13.8	493
78	A functionalized UiO-66 MOF for turn-on fluorescence sensing of superoxide in water and efficient catalysis for Knoevenagel condensation. Dalton Transactions, 2019, 48, 17371-17380.	3.3	40
79	A Cu-Doped ZIF-8 metal organic framework as a heterogeneous solid catalyst for aerobic oxidation of benzylic hydrocarbons. New Journal of Chemistry, 2019, 43, 18702-18712.	2.8	42
80	A Thiophene-2-carboxamide-Functionalized Zr(IV) Organic Framework as a Prolific and Recyclable Heterogeneous Catalyst for Regioselective Ring Opening of Epoxides. Inorganic Chemistry, 2019, 58, 16581-16591.	4.0	16
81	3D defective graphenes with subnanometric porosity obtained by soft-templating following zeolite procedures. Nanoscale Advances, 2019, 1, 4827-4833.	4.6	5
82	Formation of C-C and C-Heteroatom Bonds by C-H Activation by Metal Organic Frameworks as Catalysts or Supports. ACS Catalysis, 2019, 9, 1081-1102.	11.2	99
83	Phosphorus-Doped Graphene as a Metal-Free Material for Thermochemical Water Reforming at Unusually Mild Conditions. ACS Sustainable Chemistry and Engineering, 2019, 7, 838-846.	6.7	28
84	Engineering UiO-66 Metal Organic Framework for Heterogeneous Catalysis. ChemCatChem, 2019, 11, 899-923.	3.7	182
85	Photoassisted $CO_2$ Conversion to Fuels. ChemCatChem, 2019, 11, 342-356.	3.7	41
86	Liquid phase aerobic oxidation of cyclic and linear hydrocarbons using iron metal organic frameworks as solid heterogeneous catalyst. Molecular Catalysis, 2019, 463, 54-60.	2.0	17
87	General aspects in the use of graphenes in catalysis. Materials Horizons, 2018, 5, 363-378.	12.2	49
88	Defective graphene as a metal-free catalyst for chemoselective olefin hydrogenation by hydrazine. Catalysis Science and Technology, 2018, 8, 1589-1598.	4.1	13
89	Oxidation of styrene using $TiO_2$ -graphene oxide composite as solid heterogeneous catalyst with hydrogen peroxide as oxidant. Catalysis Communications, 2018, 108, 41-45.	3.3	15
90	Catalyst-free one step synthesis of large area vertically stacked N-doped graphene-boron nitride heterostructures from biomass source. Nanoscale, 2018, 10, 4391-4397.	5.6	19

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91	Catalytic Properties of 3D Graphene-Like Microporous Carbons Synthesized in a Zeolite Template. ACS Catalysis, 2018, 8, 1779-1789.	11.2	40
92	Iron oxide nanoparticles supported on diamond nanoparticles as efficient and stable catalyst for the visible light assisted Fenton reaction. Applied Catalysis B: Environmental, 2018, 226, 242-251.	20.2	47
93	Engineering active sites on reduced graphene oxide by hydrogen plasma irradiation: mimicking bifunctional metal/supported catalysts in hydrogenation reactions. Green Chemistry, 2018, 20, 2611-2623.	9.0	21
94	Cu <sub>3</sub> (BTC) <sub>2</sub> metal-organic framework catalyzed N-arylation of benzimidazoles and imidazoles with phenylboronic acid. Journal of Industrial and Engineering Chemistry, 2018, 65, 120-126.	5.8	20
95	Reduction of C=C Double Bonds by Hydrazine Using Active Carbons as Metal-Free Catalysts. ACS Sustainable Chemistry and Engineering, 2018, 6, 5607-5614.	6.7	23
96	Metal organic frameworks as solid promoters for aerobic autoxidations. Catalysis Today, 2018, 306, 2-8.	4.4	19
97	N-Hydroxyphthalimide Anchored on Diamond Nanoparticles as a Selective Heterogeneous Metal-Free Oxidation Catalyst of Benzylic Hydrocarbons and Cyclic Alkenes by Molecular O <sub>2</sub> . ChemCatChem, 2018, 10, 198-205.	3.7	27
98	Metal organic frameworks as catalysts in solvent-free or ionic liquid assisted conditions. Green Chemistry, 2018, 20, 86-107.	9.0	107
99	Regioselective ring opening of styrene oxide by carbon nucleophiles catalyzed by metal-organic frameworks under solvent-free conditions. Journal of Industrial and Engineering Chemistry, 2018, 58, 9-17.	5.8	14
100	Aerobic Oxidation of Benzylic Hydrocarbons by Iron-Based Metal Organic Framework as Solid Heterogeneous Catalyst. ChemistrySelect, 2018, 3, 12155-12162.	1.5	5
101	Aerobic Oxidation of Alcohols Catalyzed by V <sub>2</sub> O <sub>5</sub> Rods Decorated on Graphene Oxide. ChemistrySelect, 2018, 3, 12725-12733.	1.5	5
102	Synthesis, Transformation, Catalysis, and Gas Sorption Investigations on the Bismuth Metal-Organic Framework CAU-17. European Journal of Inorganic Chemistry, 2018, 2018, 3496-3503.	2.0	57
103	Construction of a Stable Ru-Re Hybrid System Based on Multifunctional MOF-253 for Efficient Photocatalytic CO <sub>2</sub> Reduction. Inorganic Chemistry, 2018, 57, 8276-8286.	4.0	98
104	Generating and optimizing the catalytic activity in UiO-66 for aerobic oxidation of alkenes by post-synthetic exchange Ti atoms combined with ligand substitution. Journal of Catalysis, 2018, 365, 450-463.	6.2	29
105	Catalysis and photocatalysis by metal organic frameworks. Chemical Society Reviews, 2018, 47, 8134-8172.	38.1	1,119
106	Heterogeneous catalysis based on supramolecular association. Catalysis Science and Technology, 2018, 8, 4834-4857.	4.1	13
107	Knoevenagel condensation reaction catalysed by Al-MOFs with CAU-1 and CAU-10-type structures. CrystEngComm, 2017, 19, 4187-4193.	2.6	92
108	Enhanced Activity of Ag Nanoplatelets on Few Layers of Graphene Film with Preferential Orientation for Dehydrogenative Silane-Alcohol Coupling. ACS Sustainable Chemistry and Engineering, 2017, 5, 2400-2406.	6.7	11



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109	Influence of the organic linker substituent on the catalytic activity of MIL-101(Cr) for the oxidative coupling of benzylamines to imines. <i>Catalysis Science and Technology</i> , 2017, 7, 1351-1362.	4.1	28
110	Metal Organic Frameworks as Versatile Hosts of Au Nanoparticles in Heterogeneous Catalysis. <i>ACS Catalysis</i> , 2017, 7, 2896-2919.	11.2	184
111	Influence of Terephthalic Acid Substituents on the Catalytic Activity of MIL-101(Cr) in Three Lewis Acid Catalyzed Reactions. <i>ChemCatChem</i> , 2017, 9, 2506-2511.	3.7	44
112	Aqueous phase reforming of glycerol using doped graphenes as metal-free catalysts. <i>Green Chemistry</i> , 2017, 19, 3061-3068.	9.0	22
113	Visible Light Induced Organic Transformations Using Metal-Organic Frameworks (MOFs). <i>Chemistry - A European Journal</i> , 2017, 23, 11189-11209.	3.3	176
114	Cu <sub>3</sub> (BTC) <sub>2</sub> catalyzed dehydrogenative coupling of dimethylphenylsilane with phenol and homocoupling of dimethylphenylsilane to disiloxane. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 430-435.	9.4	16
115	Room temperature silylation of alcohols catalyzed by metal organic frameworks. <i>Catalysis Science and Technology</i> , 2017, 7, 2445-2449.	4.1	9
116	Covalently Modified Graphenes in Catalysis, Electrocatalysis and Photoresponsive Materials. <i>Chemistry - A European Journal</i> , 2017, 23, 15244-15275.	3.3	39
117	Oriented Au nanoplatelets on graphene promote Suzuki-Miyaura coupling with higher efficiency and different reactivity pattern than supported palladium. <i>Journal of Catalysis</i> , 2017, 352, 59-66.	6.2	16
118	Active sites on graphene-based materials as metal-free catalysts. <i>Chemical Society Reviews</i> , 2017, 46, 4501-4529.	38.1	273
119	Visible-light-induced tandem reaction of o-aminothiophenols and alcohols to benzothiazoles over Fe-based MOFs: Influence of the structure elucidated by transient absorption spectroscopy. <i>Journal of Catalysis</i> , 2017, 349, 156-162.	6.2	59
120	Ti as Mediator in the Photoinduced Electron Transfer of Mixed-Metal NH <sub>2</sub> -UiO-66(Zr/Ti): Transient Absorption Spectroscopy Study and Application in Photovoltaic Cell. <i>Journal of Physical Chemistry C</i> , 2017, 121, 7015-7024.	3.1	116
121	Iron Nanoparticles Embedded in Graphitic Carbon Matrix as Heterogeneous Catalysts for the Oxidative C-N Coupling of Aromatic N-H Compounds and Amides. <i>ChemCatChem</i> , 2017, 9, 3003-3012.	3.7	14
122	HKUST-1 catalyzed room temperature hydrogenation of acetophenone by silanes. <i>Catalysis Communications</i> , 2017, 97, 74-78.	3.3	12
123	Graphenes as Metal-Free Catalysts with Engineered Active Sites. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 264-278.	4.6	45
124	Tuneable nature of metal organic frameworks as heterogeneous solid catalysts for alcohol oxidation. <i>Chemical Communications</i> , 2017, 53, 10851-10869.	4.1	94
125	A cerium-based metal-organic framework having inherent oxidase-like activity applicable for colorimetric sensing of biothiols and aerobic oxidation of thiols. <i>CrystEngComm</i> , 2017, 19, 5915-5925.	2.6	101
126	Cu <sub>3</sub> (BTC) <sub>2</sub> catalyzed oxidation of silane to silanol using TBHP or water as oxidants. <i>Applied Catalysis A: General</i> , 2017, 544, 145-153.	4.3	17



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127	Synthesis of borasiloxanes by oxidative hydrolysis of silanes and pinacolborane using $\text{Cu}_3(\text{BTC})_2$ as a solid catalyst. Chemical Communications, 2017, 53, 9998-10001.	4.1	21
128	Chitosan as a reusable solid base catalyst for Knoevenagel condensation reaction. Journal of Colloid and Interface Science, 2017, 485, 75-80.	9.4	91
129	Metal-Organic Frameworks as Catalysts for Oxidation Reactions. Chemistry - A European Journal, 2016, 22, 8012-8024.	3.3	132
130	Metal-Organic Framework (MOF) Compounds: Photocatalysts for Redox Reactions and Solar Fuel Production. Angewandte Chemie - International Edition, 2016, 55, 5414-5445.	13.8	888
131	One-Step Pyrolysis Preparation of 1.1.1 Oriented Gold Nanoplatelets Supported on Graphene and Six Orders of Magnitude Enhancement of the Resulting Catalytic Activity. Angewandte Chemie - International Edition, 2016, 55, 607-612.	13.8	37
132	Graphene from Alginate Pyrolysis as a Metal-Free Catalyst for Hydrogenation of Nitro Compounds. ChemSusChem, 2016, 9, 1565-1569.	6.8	62
133	Mixed-metal or mixed-linker metal organic frameworks as heterogeneous catalysts. Catalysis Science and Technology, 2016, 6, 5238-5261.	4.1	198
134	$\text{Cu}_3(\text{BTC})_2$ as heterogeneous catalyst for the room temperature oxidative hydroxylation of arylboronic acids. Tetrahedron, 2016, 72, 2895-2899.	1.9	17
135	A highly stable dimethyl-functionalized $\text{Ce}(\text{iv})$ -based UiO-66 metal-organic framework material for gas sorption and redox catalysis. CrystEngComm, 2016, 18, 7855-7864.	2.6	80
136	Dyes decolorization using silver nanoparticles supported on nanometric diamond as highly efficient photocatalyst under natural Sunlight irradiation. Journal of Environmental Chemical Engineering, 2016, 4, 4485-4493.	6.7	12
137	Reduced Graphene Oxide as a Metal-Free Catalyst for the Light-Assisted Fenton-Like Reaction. ChemCatChem, 2016, 8, 2642-2648.	3.7	46
138	Influence of functionalization of terephthalate linker on the catalytic activity of UiO-66 for epoxide ring opening. Journal of Molecular Catalysis A, 2016, 425, 332-339.	4.8	58
139	Metall-organische Gerüstverbindungen: Photokatalysatoren für Redoxreaktion und die Produktion von Solarbrennstoffen. Angewandte Chemie, 2016, 128, 5504-5535.	2.0	87
140	Copper nanoparticles supported on diamond nanoparticles as a cost-effective and efficient catalyst for natural sunlight assisted Fenton reaction. Catalysis Science and Technology, 2016, 6, 7077-7085.	4.1	20
141	Enhancement of $\text{CO}_2$ Adsorption and Catalytic Properties by Fe-Doping of $[\text{Ga}_2(\text{OH})_2(\text{L})]$ ( $\text{H}_4\text{L}$ = Biphenyl-3,3',5,5'-tetracarboxylic Acid), MFM-300( $\text{Ga}_2$ ). Inorganic Chemistry, 2016, 55, 1076-1088.	4.0	70
142	Dehydrogenative coupling of silanes with alcohols catalyzed by $\text{Cu}_3(\text{BTC})_2$ . Chemical Communications, 2016, 52, 2725-2728.	4.1	30
143	Metal nanoparticles supported on two-dimensional graphenes as heterogeneous catalysts. Coordination Chemistry Reviews, 2016, 312, 99-148.	18.8	270
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