Amarajothi Dhakshinamoorthy

List of Publications by Year
in descending order

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243 papers	27,454 citations	5574 82 h-index	5987 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. Journal of Catalysis, 2022, 405, 355-362.	6.2	8
2	Friedel-Crafts alkylation reaction efficiently catalyzed by a di-amide functionalized Zr(IV) metal-organic framework. Molecular Catalysis, 2022, 517, 112007.	2.0	6
3	Detecting Lewis acid sites in metal-organic frameworks by density functional theory. Molecular Catalysis, 2022, 517, 112042.	2.0	7
4	Supported metals on porous solids as heterogeneous catalysts for the synthesis of propargylamines. New Journal of Chemistry, 2022, 46, 1469-1482.	2.8	4
5	A Quasi-Metalâ€“Organic Framework Based on Cobalt for Improved Catalytic Conversion of Aquatic Pollutant 4-Nitrophenol. Journal of Physical Chemistry C, 2022, 126, 683-692.	3.1	18
6	Two birds with one arrow: a functionalized Al(<scp>iii</scp>) MOF acts as a fluorometric sensor of dopamine in bio-fluids and a recyclable catalyst for the Biginelli reaction. Journal of Materials Chemistry C, 2022, 10, 6717-6727.	5.5	21
7	Diamino group-functionalized Zr-based metalâ€“organic framework for fluorescence sensing of free chlorine in the aqueous phase and Knoevenagel condensation. Dalton Transactions, 2022, 51, 6964-6975.	3.3	14
8	Remarkable Activity of 002 Facet of Ruthenium Nanoparticles Grown on Graphene Films on the Photocatalytic CO₂ Methanation. Advanced Sustainable Systems, 2022, 6, .	5.3	7
9	Tridimensional N, P-Codoped Carbon Sponges as Highly Selective Catalysts for Aerobic Oxidative Coupling of Benzylamine. ACS Omega, 2022, 7, 11092-11100.	3.5	5
10	Recent Progress and Prospects in Catalytic Water Treatment. Chemical Reviews, 2022, 122, 2981-3121.	47.7	139
11	Porphyrin Catecholate Iron-Based Metalâ€“Organic Framework for Efficient Visible Light-Promoted One-Pot Tandem Câ€“C Couplings. ACS Sustainable Chemistry and Engineering, 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. Green Chemistry, 2022, 24, 4533-4543.	9.0	16
13	Tuning the Photocatalytic Activity of Ti-Based Metalâ€“Organic Frameworks through Modulator Defect-Engineered Functionalization. ACS Applied Materials & Interfaces, 2022, 14, 21007-21017.	8.0	17
14	Arene borylation through C H activation using Cu3(BTC)2 as heterogeneous catalyst. Catalysis Today, 2021, 366, 212-217.	4.4	6
15	Pristine and modified chitosan as solid catalysts for catalysis and biodiesel production: A minireview. International Journal of Biological Macromolecules, 2021, 167, 807-833.	7.5	27
16	Bifunctional metalâ€“organic frameworks for the hydrogenation of nitrophenol using methanol as the hydrogen source. Organic and Biomolecular Chemistry, 2021, 19, 794-800.	2.8	5
17	Metalâ€“Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. Angewandte Chemie, 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. Molecular Catalysis, 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. Applied Catalysis A: General, 2021, 611, 117965.	4.3	27
20	Metalâ€“Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. Angewandte Chemie - International Edition, 2021, 60, 11048-11067.	13.8	179
21	Cobalt-Based Metal Organic Frameworks as Solids Catalysts for Oxidation Reactions. Catalysts, 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. Sustainable Energy and Fuels, 2021, 5, 4587-4596.	4.9	8
24	Microporous 3D graphitic carbons obtained by soft templating as carbocatalysts for aerobic oxidation. Applied Catalysis A: General, 2021, 612, 118014.	4.3	3
25	Metal-Organic Frameworks as Versatile Heterogeneous Solid Catalysts for Henry Reactions. Molecules, 2021, 26, 1445.	3.8	29
26	A Zr-Based Metalâ€“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. Inorganic Chemistry, 2021, 60, 4539-4550.	4.0	26
27	Engineering of Active Sites in Metalâ€“Organic Frameworks for Biodiesel Production. Advanced Sustainable Systems, 2021, 5, 2100101.	5.3	23
28	Copper(II)â€Doped ZIFâ€8 as a Reusable and Size Selective Heterogeneous Catalyst for the Hydrogenation of Alkenes using Hydrazine Hydrate. European Journal of Inorganic Chemistry, 2021, 2021, 2108-2119.	2.0	13
29	Î±,Î²-Enone Borylation by Bis(Pinacolato)Diboron Catalyzed by Cu3(BTC)2 Using Cesium Carbonate as a Base. Nanomaterials, 2021, 11, 1396.	4.1	2
30	Amino Group Functionalized Hfâ€Based Metalâ€Organic Framework for Knoevenagelâ€Doebner Condensation. European Journal of Inorganic Chemistry, 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. ChemCatChem, 2021, 13, 4679-4693.	3.7	12
32	Reduced Graphene Oxides as Carbocatalysts in Acceptorless Dehydrogenation of N-Heterocycles. ACS Catalysis, 2021, 11, 14688-14693.	11.2	15
33	Nitro functionalized chromium terephthalate metal-organic framework as multifunctional solid acid for the synthesis of benzimidazoles. Journal of Colloid and Interface Science, 2020, 560, 885-893.	9.4	18
34	Metal organic frameworks as solid catalysts for liquid-phase continuous flow reactions. Chemical Communications, 2020, 56, 26-45.	4.1	47
35	Knoevenagel-Doebner condensation promoted by chitosan as a reusable solid base catalyst. Molecular Catalysis, 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. Molecular Catalysis, 2020, 482, 110628.	2.0	9

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37	Green energy from Coelastrella sp. M-60: Bio-nanoparticles mediated whole biomass transesterification for biodiesel production. Fuel, 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. Molecular Catalysis, 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 CO2 Methanation. CheM, 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. Journal of Catalysis, 2020, 390, 135-149.	6.2	5
42	Catalysis in Confined Spaces of Metal Organic Frameworks. ChemCatChem, 2020, 12, 4732-4753.	3.7	61
43	Plasmaâ€Induced Defects Enhance the Visibleâ€Light Photocatalytic Activity of MILâ€125(Ti)â€NH₂ for Overall Water Splitting. Chemistry - A European Journal, 2020, 26, 15682-15689.	3.3	35
44	Goldâ€Nanoparticleâ€Decorated Metalâ€Organic Frameworks for Anticancer Therapy. ChemMedChem, 2020, 15, 2236-2256.	3.2	8
45	A Pyridyltriazol Functionalized Zirconium Metalâ€“Organic Framework for Selective and Highly Efficient Adsorption of Palladium. ACS Applied Materials & Interfaces, 2020, 12, 25221-25232.	8.0	107
46	Metal organic frameworks for biomass conversion. Chemical Society Reviews, 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. Chemical Engineering Journal, 2020, 393, 124770.	12.7	31
48	Photocatalytic Overall Water Splitting Activity of Templateless Structured Graphitic Nanoparticles Obtained from Cyclodextrins. ACS Applied Energy Materials, 2020, 3, 6623-6632.	5.1	10
49	A hydrazine functionalized UiO-66(Hf) metalâ€“organic framework for the synthesis of quinolines via FriedlÄnder condensation. New Journal of Chemistry, 2020, 44, 10982-10988.	2.8	13
50	Metalâ€“Organic Frameworks as Multifunctional Solid Catalysts. Trends in Chemistry, 2020, 2, 454-466.	8.5	120
51	Integration of metal organic frameworks with enzymes as multifunctional solids for cascade catalysis. Dalton Transactions, 2020, 49, 11059-11072.	3.3	31
52	Chitosan as a biodegradable heterogeneous catalyst for Knoevenagel condensation between benzaldehydes and cyanoacetamide. Catalysis Communications, 2020, 138, 105954.	3.3	37
53	Influence of oxophilic behavior of UiOâ€66(Ce) metalâ€“organic framework with superior catalytic performance in Friedelâ€Crafts alkylation reaction. Applied Organometallic Chemistry, 2020, 34, e5578.	3.5	20
54	Templateless Synthesis of Ultraâ€Microporous 3D Graphitic Carbon from Cyclodextrins and Their Use as Selective Catalyst for Oxygen Activation. Small Methods, 2020, 4, 1900721.	8.6	10

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55	Influence of Hydrogen Bond Donating Sites in UiOâ€66 Metalâ€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)â€UiOâ€67 Metalâ€Organic Framework for Cascade Catalysis. European Journal of Inorganic Chemistry, 2020, 2020, 2830-2834.	2.0	15
58	Catalysis by Metal Nanoparticles Encapsulated Within Metalâ€“Organic Frameworks. Molecular Catalysis, 2020, , 221-247.	1.3	0
59	Nâ€Doped Defective Graphene from Biomass as Catalyst for CO₂ Hydrogenation to Methane. ChemCatChem, 2019, 11, 985-990.	3.7	39
60	2D Metalâ€“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 Cu₂O nanoparticles for CO₂methanation. 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	Cu3(BTC)2 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	Longâ€Term Photostability in Terephthalate Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2019, 58, 17843-17848.	13.8	40
66	Longâ€Term Photostability in Terephthalate Metalâ€“Organic Frameworks. Angewandte Chemie, 2019, 131, 18007-18012.	2.0	14
67	Encapsulation of Metal Nanoparticles within Metalâ€“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 CeO₂ 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 CeO2 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 MILâ€101(Cr) for the Selective Oxidation of Alcohols with O₂: 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 Metalâ€“Organic Framework as Hydrogen Bonding Heterogeneous Catalyst for Friedelâ€“Crafts Alkylation. Inorganic Chemistry, 2019, 58, 5163-5172.	4.0	51
76	Mixedâ€Metal MOFs: Unique Opportunities in Metalâ€“Organic Framework (MOF) Functionality and Design. Angewandte Chemie, 2019, 131, 15330-15347.	2.0	124
77	Mixedâ€Metal MOFs: Unique Opportunities in Metalâ€“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 Câ€“C and Câ€“Heteroatom Bonds by Câ€“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 UiOâ€66 Metal Organic Framework for Heterogeneous Catalysis. ChemCatChem, 2019, 11, 899-923.	3.7	182
85	Photoassisted CO₂ 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 TiO2-graphene oxide composite as solid heterogeneous catalyst with hydroperoxide 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	Cu3(BTC)2 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 Câ•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	Nâ€Hydroxyphthalimide Anchored on Diamond Nanoparticles as a Selective Heterogeneous Metalâ€free Oxidation Catalyst of Benzylic Hydrocarbons and Cyclic Alkenes by Molecular O₂. 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 metalâ€“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 Ironâ€Based Metal Organic Framework as Solid Heterogeneous Catalyst. ChemistrySelect, 2018, 3, 12155-12162.	1.5	5
101	Aerobic Oxidation of Alcohols Catalyzed by V₂O₅ Rods Decorated on Graphene Oxide. ChemistrySelect, 2018, 3, 12725-12733.	1.5	5
102	Synthesis, Transformation, Catalysis, and Gas Sorption Investigations on the Bismuth Metalâ€“Organic Framework CAUâ€17. European Journal of Inorganic Chemistry, 2018, 2018, 3496-3503.	2.0	57
103	Construction of a Stable Ruâ€“Re Hybrid System Based on Multifunctional MOF-253 for Efficient Photocatalytic CO₂ 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 Silaneâ€“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. Catalysis Science and Technology, 2017, 7, 1351-1362.	4.1	28
110	Metal Organic Frameworks as Versatile Hosts of Au Nanoparticles in Heterogeneous Catalysis. ACS Catalysis, 2017, 7, 2896-2919.	11.2	184
111	Influence of Terephthalic Acid Substituents on the Catalytic Activity of MILâ€101(Cr) in Three Lewis Acid Catalyzed Reactions. ChemCatChem, 2017, 9, 2506-2511.	3.7	44
112	Aqueous phase reforming of glycerol using doped graphenes as metal-free catalysts. Green Chemistry, 2017, 19, 3061-3068.	9.0	22
113	Visible Light Induced Organic Transformations Using Metalâ€Organicâ€Frameworks (MOFs). Chemistry - A European Journal, 2017, 23, 11189-11209.	3.3	176
114	Cu3(BTC)2 catalyzed dehydrogenative coupling of dimethylphenylsilane with phenol and homocoupling of dimethylphenylsilane to disiloxane. Journal of Colloid and Interface Science, 2017, 490, 430-435.	9.4	16
115	Room temperature silylation of alcohols catalyzed by metal organic frameworks. Catalysis Science and Technology, 2017, 7, 2445-2449.	4.1	9
116	Covalently Modified Graphenes in Catalysis, Electrocatalysis and Photoresponsive Materials. Chemistry - A European Journal, 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. Journal of Catalysis, 2017, 352, 59-66.	6.2	16
118	Active sites on graphene-based materials as metal-free catalysts. Chemical Society Reviews, 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. Journal of Catalysis, 2017, 349, 156-162.	6.2	59
120	Ti as Mediator in the Photoinduced Electron Transfer of Mixed-Metal NH₂â€“UiO-66(Zr/Ti): Transient Absorption Spectroscopy Study and Application in Photovoltaic Cell. Journal of Physical Chemistry C, 2017, 121, 7015-7024.	3.1	116
121	Iron Nanoparticles Embedded in Graphitic Carbon Matrix as Heterogeneous Catalysts for the Oxidative Câˆ’N Coupling of Aromatic Nâˆ’H Compounds and Amides. ChemCatChem, 2017, 9, 3003-3012.	3.7	14
122	HKUST-1 catalyzed room temperature hydrogenation of acetophenone by silanes. Catalysis Communications, 2017, 97, 74-78.	3.3	12
123	Graphenes as Metal-Free Catalysts with Engineered Active Sites. Journal of Physical Chemistry Letters, 2017, 8, 264-278.	4.6	45
124	Tuneable nature of metal organic frameworks as heterogeneous solid catalysts for alcohol oxidation. Chemical Communications, 2017, 53, 10851-10869.	4.1	94
125	A cerium-based metalâ€“organic framework having inherent oxidase-like activity applicable for colorimetric sensing of biothiols and aerobic oxidation of thiols. CrystEngComm, 2017, 19, 5915-5925.	2.6	101
126	Cu 3 (BTC) 2 catalyzed oxidation of silane to silanol using TBHP or water as oxidants. Applied Catalysis A: General, 2017, 544, 145-153.	4.3	17

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127	Synthesis of borasiloxanes by oxidative hydrolysis of silanes and pinacolborane using Cu₃(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	Metalâ€“Organic Frameworks as Catalysts for Oxidation Reactions. Chemistry - A European Journal, 2016, 22, 8012-8024.	3.3	132
130	Metalâ€“Organic Framework (MOF) Compounds: Photocatalysts for Redox Reactions and Solar Fuel Production. Angewandte Chemie - International Edition, 2016, 55, 5414-5445.	13.8	888
131	Oneâ€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 Metalâ€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	Cu3(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 Ce(<scp>iv</scp>)-based UiO-66 metalâ€“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 Metalâ€Free Catalyst for the Lightâ€Assisted Fentonâ€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	Metallâ€organische GerÃ¼stverbindungen: Photokatalysatoren fÃ¼r 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 CO₂ Adsorption and Catalytic Properties by Fe-Doping of [Ga₂(OH)₂(L)] (H₄L = Biphenyl-3,3â€²,5,5â€²-tetracarboxylic Acid), MFM-300(Ga₂). Inorganic Chemistry, 2016, 55, 1076-1088.	4.0	70
142	Dehydrogenative coupling of silanes with alcohols catalyzed by Cu3(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
144	Graphene oxide as a metal-free catalyst for oxidation of primary amines to nitriles by hypochlorite. Chemical Communications, 2016, 52, 1839-1842.	4.1	42

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145	MIL-101 promotes the efficient aerobic oxidative desulfurization of dibenzothiophenes. Green Chemistry, 2016, 18, 508-515.	9.0	128
146	Graphenes as Efficient Metalâ€Free Fenton Catalysts. Chemistry - A European Journal, 2015, 21, 11966-11971.	3.3	87
147	Titanium Dioxide/Graphene Oxide Nanocomposites as Heterogeneous Catalysts for the Esterification of Benzoic Acid with Dimethyl Carbonate. ChemPlusChem, 2015, 80, 1472-1477.	2.8	4
148	Silver Nanoparticles Supported on Diamond Nanoparticles as a Highly Efficient Photocatalyst for the Fenton Reaction under Natural Sunlight Irradiation. ChemCatChem, 2015, 7, 2682-2688.	3.7	28
149	Annulation of phenols with methylbutenol over MOFs: The role of catalyst structure and acid strength in producing 2,2-dimethylbenzopyran derivatives. Microporous and Mesoporous Materials, 2015, 202, 297-302.	4.4	13
150	Sulphur-doped graphene as metal-free carbocatalysts for the solventless aerobic oxidation of styrenes. Catalysis Communications, 2015, 65, 10-13.	3.3	45
151	Metalâ€“organic frameworks catalyzed Câ€“C and Câ€“heteroatom coupling reactions. Chemical Society Reviews, 2015, 44, 1922-1947.	38.1	348
152	Palladium nanoparticles supported on graphene as catalysts for the dehydrogenative coupling of hydrosilanes and amines. Catalysis Science and Technology, 2015, 5, 2167-2173.	4.1	27
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