Manoj B Gawande

List of Publications by Citations

136 papers	9,630 citations	45 h-index	97 g-index
180 ext. papers	11,347 ext. citations	9.8 avg, IF	6.68 L-index

#	Paper	IF	Citations
136	Cu and Cu-Based Nanoparticles: Synthesis and Applications in Catalysis. *Chemical Reviews*, **2016**, 116, 3722-811	68.1	1452
135	Nano-magnetite (Fe3O4) as a support for recyclable catalysts in the development of sustainable methodologies. *Chemical Society Reviews*, **2013**, 42, 3371-93	58.5	962
134	Core-shell nanoparticles: synthesis and applications in catalysis and electrocatalysis. *Chemical Society Reviews*, **2015**, 44, 7540-90	58.5	696
133	Benign by design: catalyst-free in-water, on-water green chemical methodologies in organic synthesis. *Chemical Society Reviews*, **2013**, 42, 5522-51	58.5	487
132	Microwave-assisted chemistry: synthetic applications for rapid assembly of nanomaterials and organics. *Accounts of Chemical Research*, **2014**, 47, 1338-48	24.3	422
131	Role of mixed metal oxides in catalysis science versatile applications in organic synthesis. *Catalysis Science and Technology*, **2012**, 2, 1113	5.5	278
130	Fe3O4 (iron oxide)-supported nanocatalysts: synthesis, characterization and applications in coupling reactions. *Green Chemistry*, **2016**, 18, 3184-3209	10	269
129	Silica-decorated magnetic nanocomposites for catalytic applications. *Coordination Chemistry Reviews*, **2015**, 288, 118-143	23.2	221
128	Solvent-free and catalysts-free chemistry: a benign pathway to sustainability. *ChemSusChem*, **2014**, 7, 24-44	8.3	215
127	Carbon-Based Single-Atom Catalysts for Advanced Applications. *ACS Catalysis*, **2020**, 10, 2231-2259	13.1	202
126	Electrocatalytic methanol oxidation over Cu, Ni and bimetallic Cu-Ni nanoparticles supported on graphitic carbon nitride. *Applied Catalysis B: Environmental*, **2019**, 244, 272-283	21.8	161
125	Silica-nanosphere-based organic–inorganic hybrid nanomaterials: synthesis, functionalization and applications in catalysis. *Green Chemistry*, **2015**, 17, 3207-3230	10	159
124	Recent development of covalent organic frameworks (COFs): synthesis and catalytic (organic-electro-photo) applications. *Materials Horizons*, **2020**, 7, 411-454	14.4	153
123	Regio- and chemoselective reduction of nitroarenes and carbonyl compounds over recyclable magnetic ferrite-nickel nanoparticles (Fe(3)O(4)-Ni) by using glycerol as a hydrogen source. *Chemistry - A European Journal*, **2012**, 18, 12628-32	4.8	152
122	Magnetite-supported sulfonic acid: a retrievable nanocatalyst for the Ritter reaction and multicomponent reactions. *Green Chemistry*, **2013**, 15, 1895	10	152
121	Magnetically recyclable magnetite–ceria (Nanocat-Fe-Ce) nanocatalyst applications in multicomponent reactions under benign conditions. *Green Chemistry*, **2013**, 15, 1226	10	135
120	The Rise of Magnetically Recyclable Nanocatalysts. *ChemCatChem*, **2014**, 6, 3312-3313	5.2	119

119	Synthesis and characterization of versatile MgO–ZrO2 mixed metal oxide nanoparticles and their applications. *Catalysis Science and Technology*, **2011**, 1, 1653	5.5	117
118	Microwave-assisted synthesis – Catalytic applications in aqueous media. *Coordination Chemistry Reviews*, **2015**, 291, 68-94	23.2	112
117	xP Core–Shell Heterogeneous Nanoparticles as Efficient Oxygen Evolution Reaction Catalysts. *ACS Catalysis*, **2017**, 7, 7038-7042	13.1	111
116	A novel catalyst for the Knoevenagel condensation of aldehydes with malononitrile and ethyl cyanoacetate under solvent free conditions. *Catalysis Communications*, **2006**, 7, 931-935	3.2	103
115	A facile synthesis of cysteine–ferrite magnetic nanoparticles for application in multicomponent reactions: sustainable protocol. *RSC Advances*, **2012**, 2, 6144	3.7	88
114	An efficient and expeditious Fmoc protection of amines and amino acids in aqueous media. *Green Chemistry*, **2011**, 13, 3355	10	84
113	Maghemite decorated with ultra-small palladium nanoparticles (γ-Fe2O3–Pd): applications in the Heck–Mizoroki olefination, Suzuki reaction and allylic oxidation of alkenes. *Green Chemistry*, **2016**, 18, 2363-2373	10	79
112	First application of core-shell Ag@Ni magnetic nanocatalyst for transfer hydrogenation reactions of aromatic nitro and carbonyl compounds. *RSC Advances*, **2013**, 3, 1050-1054	3.7	78
111	Mixed-Valence Single-Atom Catalyst Derived from Functionalized Graphene. *Advanced Materials*, **2019**, 31, e1900323	24	76
110	Chemoselective transfer hydrogenation reactions over nanosized α-Fe2O3 catalyst prepared by novel combustion route. *Catalysis Communications*, **2007**, 8, 1803-1806	3.2	76
109	Sustainable Utility of Magnetically Recyclable Nano-Catalysts in Water: Applications in Organic Synthesis. *Applied Sciences (Switzerland)*, **2013**, 3, 656-674	2.6	74
108	Catalytic applications of a versatile magnetically separable Fe–Mo (Nanocat-Fe–Mo) nanocatalyst. *Green Chemistry*, **2013**, 15, 682	10	72
107	Magnetic gold nanocatalyst (nanocat-Fe–Au): catalytic applications for the oxidative esterification and hydrogen transfer reactions. *Green Chemistry*, **2014**, 16, 4137-4143	10	67
106	Magnetically recyclable magnetite–palladium (Nanocat-Fe–Pd) nanocatalyst for the Buchwald–Hartwig reaction. *Green Chemistry*, **2014**, 16, 3494-3500	10	67
105	A Recyclable Ferrite–Co Magnetic Nanocatalyst for the Oxidation of Alcohols to Carbonyl Compounds. *ChemPlusChem*, **2012**, 77, 865-871	2.8	67
104	Iron Oxide-Supported Copper Oxide Nanoparticles (Nanocat-Fe-CuO): Magnetically Recyclable Catalysts for the Synthesis of Pyrazole Derivatives, 4-Methoxyaniline, and Ullmann-type Condensation Reactions. *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 1699-1706	8.3	60
103	A benign synthesis of 2-amino-4H-chromene in aqueous medium using hydrotalcite (HT) as a heterogeneous base catalyst. *Catalysis Science and Technology*, **2013**, 3, 2050	5.5	57
102	Functional Mesoporous Silica Nanomaterials for Catalysis and Environmental Applications. *Bulletin of the Chemical Society of Japan*, **2020**, 93, 1459-1496	5.1	57

101	Gold nanoparticle-decorated graphene oxide: Synthesis and application in oxidation reactions under benign conditions. *Journal of Molecular Catalysis A*, **2016**, 424, 121-127		55
100	In Situ Generation of Pd-Pt Core-Shell Nanoparticles on Reduced Graphene Oxide (Pd@Pt/rGO) Using Microwaves: Applications in Dehalogenation Reactions and Reduction of Olefins. *ACS Applied Materials & Interfaces*, **2017**, 9, 2815-2824	9.5	53
99	Heterogeneously catalyzed strategies for the deconstruction of high density polyethylene: plastic waste valorisation to fuels. *Green Chemistry*, **2015**, 17, 146-156	10	53
98	Silica-Based Magnetic Manganese Nanocatalyst Applications in the Oxidation of Organic Halides and Alcohols. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 1123-1130	8.3	50
97	An efficient copper-based magnetic nanocatalyst for the fixation of carbon dioxide at atmospheric pressure. *Scientific Reports*, **2018**, 8, 1901	4.9	49
96	Mixed metal MgOZrO2 nanoparticle-catalyzed O-tert-Boc protection of alcohols and phenols under solvent-free conditions. *Applied Organometallic Chemistry*, **2012**, 26, 395-400	3.1	48
95	Integrated nanocatalysts: a unique class of heterogeneous catalysts. *Journal of Materials Chemistry A*, **2015**, 3, 8241-8245	13	47
94	Magnetic ZSM-5 zeolite: a selective catalyst for the valorization of furfuryl alcohol to valerolactone, alkyl levulinates or levulinic acid. *Green Chemistry*, **2016**, 18, 5586-5593	10	47
93	Single-Atom Catalysts: A Sustainable Pathway for the Advanced Catalytic Applications. *Small*, **2021**, 17, e2006473	11	47
92	Maghemite-Copper Nanocomposites: Applications for Ligand-Free Cross-Coupling (CO, CS, and CN) Reactions. *ChemCatChem*, **2015**, 7, 3495-3502	5.2	46
91	Green synthesis and anti-infective activities of fluorinated pyrazoline derivatives. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 5727-30	2.9	45
90	Graphite-supported ultra-small copper nanoparticles Preparation, characterization and catalysis applications. *Carbon*, **2015**, 93, 974-983	10.4	43
89	Carbon Nitride-Based Ruthenium Single Atom Photocatalyst for CO Reduction to Methanol. *Small*, **2021**, 17, e2006478	11	43
88	A novel solgel synthesized catalyst for FriedelCrafts benzoylation reaction under solvent-free conditions. *Journal of Molecular Catalysis A*, **2005**, 241, 151-155		42
87	Micromesoporous iron oxides with record efficiency for the decomposition of hydrogen peroxide: morphology driven catalysis for the degradation of organic contaminants. *Journal of Materials Chemistry A*, **2016**, 4, 596-604	13	40
86	Magnetically retrievable MFe2O4 spinel (M = Mn, Co, Cu, Ni, Zn) catalysts for oxidation of benzylic alcohols to carbonyls. *RSC Advances*, **2014**, 4, 6597	3.7	39
85	Cross-aldol and Knoevenagel condensation reactions in aqueous micellar media. *Catalysis Communications*, **2008**, 9, 1010-1016	3.2	38
84	Base-Free Transfer Hydrogenation of Nitroarenes Catalyzed by Micro-Mesoporous Iron Oxide. *ChemCatChem*, **2016**, 8, 2351-2355	5.2	35

83	Cobalt-entrenched N-, O-, and S-tridoped carbons as efficient multifunctional sustainable catalysts for base-free selective oxidative esterification of alcohols. *Green Chemistry*, **2018**, 20, 3542-3556	10	35
82	Magnetically recyclable □Fe2O3▯HAP nanoparticles for the cycloaddition reaction of alkynes, halides and azides in aqueous media. *RSC Advances*, **2013**, 3, 8184	3.7	35
81	Nano-MgO▯ZrO2 mixed metal oxides: characterization by SIMS and application in the reduction of carbonyl compounds and in multicomponent reactions. *RSC Advances*, **2013**, 3, 3611	3.7	35
80	Continuous flow hydrogenation of nitroarenes, azides and alkenes using maghemite▯d nanocomposites. *Catalysis Science and Technology*, **2016**, 6, 152-160	5.5	34
79	An efficient and chemoselective Cbz-protection of amines using silica▯ulfuric acid at room temperature. *Tetrahedron Letters*, **2007**, 48, 8170-8173	2	34
78	Synthesis of flower-like magnetite nanoassembly: Application in the efficient reduction of nitroarenes. *Scientific Reports*, **2017**, 7, 11585	4.9	32
77	Significant Enhancement of Photoactivity in Hybrid TiO2/g-C3N4 Nanorod Catalysts Modified with Cu▯Ni-Based Nanostructures. *ACS Applied Nano Materials*, **2018**, 1, 2526-2535	5.6	31
76	Ecofriendly and facile Nano ZnO catalyzed solvent-free enamination of 1,3-dicarbonyls. *Tetrahedron Letters*, **2012**, 53, 3857-3860	2	30
75	P- and F-co-doped Carbon Nitride Nanocatalysts for Photocatalytic CO Reduction and Thermocatalytic Furanics Synthesis from Sugars. *ChemSusChem*, **2020**, 13, 5231-5238	8.3	29
74	Synthesis of bis(indolyl)methanes catalyzed by surface modified zirconia. *Catalysis Communications*, **2008**, 9, 1728-1733	3.2	28
73	Fe(0)-embedded thermally reduced graphene oxide as efficient nanocatalyst for reduction of nitro compounds to amines. *Chemical Engineering Journal*, **2020**, 382, 122469	14.7	28
72	Disproportionation route to monodispersed copper nanoparticles for the catalytic synthesis of propargylamines. *RSC Advances*, **2013**, 3, 19812	3.7	27
71	A novel N-alkylation of amines by alkyl halides on mixed oxides at room temperature. *Catalysis Communications*, **2007**, 8, 576-582	3.2	26
70	Syntheses of N-Doped Carbon Quantum Dots (NCQDs) from Bioderived Precursors: A Timely Update. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 3-49	8.3	26
69	Synthesis of Iron Oxide Palladium Nanoparticles and Their Catalytic Applications for Direct Coupling of Acyl Chlorides with Alkynes. *ChemPlusChem*, **2016**, 81, 1312-1319	2.8	26
68	Studies on individual pyrolysis and co-pyrolysis of corn cob and polyethylene: Thermal degradation behavior, possible synergism, kinetics, and thermodynamic analysis. *Science of the Total Environment*, **2021**, 783, 147004	10.2	25
67	Fe(III)-functionalized carbon dots▯Highly efficient photoluminescence redox catalyst for hydrogenations of olefins and decomposition of hydrogen peroxide. *Applied Materials Today*, **2017**, 7, 179-184	6.6	23
66	Single-Atom (Iron-Based) Catalysts: Synthesis and Applications. *Chemical Reviews*, **2021**, 121, 13620-13697	68.1	23

65	Ultra-small cobalt nanoparticles from molecularly-defined Co-salen complexes for catalytic synthesis of amines. *Chemical Science*, **2020**, 11, 2973-2981	9.4	21
64	Pd@Pt Core-Shell Nanoparticles with Branched Dandelion-like Morphology as Highly Efficient Catalysts for Olefin Reduction. *Chemistry - A European Journal*, **2016**, 22, 1577-81	4.8	21
63	Bio-waste chitosan-derived N-doped CNT-supported Ni nanoparticles for selective hydrogenation of nitroarenes. *Dalton Transactions*, **2020**, 49, 10431-10440	4.3	20
62	Graphitic Carbon Nitride–Nickel Catalyst: From Material Characterization to Efficient Ethanol Electrooxidation. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 7244-7255	8.3	20
61	Recyclable Magnetic Microporous Organic Polymer (MOP) Encapsulated with Palladium Nanoparticles and Co/C Nanobeads for Hydrogenation Reactions. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 2388-2399	8.3	20
60	Silver nanomaterials: synthesis and (electro/photo) catalytic applications. *Chemical Society Reviews*, **2021**, 50, 11293-11380	58.5	20
59	Sustainable Synthesis of Nanoscale Zerovalent Iron Particles for Environmental Remediation. *ChemSusChem*, **2020**, 13, 3288-3305	8.3	19
58	Silica Sulfuric Acid and Related Solid-supported Catalysts as Versatile Materials for Greener Organic Synthesis. *Current Organic Synthesis*, **2014**, 11, 526-544	1.9	19
57	The Hallmarks of Copper Single Atom Catalysts in Direct Alcohol Fuel Cells and Electrochemical CO2 Fixation. *Advanced Materials Interfaces*, **2021**, 8, 2001822	4.6	19
56	Molybdenum-promoted cobalt supported on SBA-15: Steam and sulfur dioxide stable catalyst for CO oxidation. *Applied Catalysis B: Environmental*, **2020**, 277, 119248	21.8	18
55	A catalyst-free N-benzyloxycarbonylation of amines in aqueous micellar media at room temperature. *Tetrahedron Letters*, **2008**, 49, 4799-4803	2	18
54	Calcium phosphate nanocapsule crowned multiwalled carbon nanotubes for pH triggered intracellular anticancer drug release. *Journal of Materials Chemistry B*, **2015**, 3, 3931-3939	7.3	17
53	Iron-Oxide-Supported Ultrasmall ZnO Nanoparticles: Applications for Transesterification, Amidation, and O-Acylation Reactions. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 3314-3320	8.3	16
52	Hexagonal Mesoporous Silica-Supported Copper Oxide (CuO/HMS) Catalyst: Synthesis of Primary Amides from Aldehydes in Aqueous Medium. *ChemPlusChem*, **2017**, 82, 467-473	2.8	16
51	Single Co-Atoms as Electrocatalysts for Efficient Hydrazine Oxidation Reaction. *Small*, **2021**, 17, e2006477	11	16
50	Utilization of Waste Biomass for the Synthesis of Functionalizable Support for Covalent Anchoring of Active Organo Catalyst. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 3018-3026	8.3	16
49	Environmentally Benign Bioderived Carbon Microspheres-Supported Molybdena Nanoparticles as Catalyst for the Epoxidation Reaction. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 904-910	8.3	15
48	A mild route for one pot synthesis of 5,6-unsubstituted 1,4-dihydropyridines catalyzed by sulphated mixed metal oxides. *Catalysis Science and Technology*, **2014**, 4, 672-680	5.5	14

47	Nitrogen-doped nanocarbons (NNCs): Current status and future opportunities. *Current Opinion in Green and Sustainable Chemistry*, **2019**, 15, 67-76	7.9	14
46	Pt nanoparticles decorated TiO2 nanotubes for the reduction of olefins. *Applied Materials Today*, **2018**, 10, 86-92	6.6	13
45	A New Synthesis of TE2A-a Potential Bifunctional Chelator for (64)Cu. *Nuclear Medicine and Molecular Imaging*, **2010**, 44, 185-92	1.9	13
44	Greener iodination of arenes using sulphated ceria–zirconia catalysts in polyethylene glycol. *RSC Advances*, **2014**, 4, 6267	3.7	12
43	Sequential synthesis of β-amino alcohols using a CeO2–ZrO2 bifunctional catalyst system. *Catalysis Science and Technology*, **2013**, 3, 1308	5.5	12
42	An Earth-Abundant Ni-Based Single-Atom Catalyst for Selective Photodegradation of Pollutants. *Solar Rrl*, **2021**, 5, 2100176	7.1	12
41	Silica-supported Fe/FeOx nanoparticles for the catalytic hydrogenation of nitriles to amines in the presence of aluminium additives. *Nature Catalysis*, **2022**, 5, 20-29	36.5	11
40	Hexagonal Mesoporous Silica Supported Ultrasmall Copper Oxides for Oxidative Amidation of Carboxylic Acids. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 12935-12945	8.3	10
39	A synthesis of copper based metal-organic framework for O-acetylation of alcohols. *Catalysis Communications*, **2014**, 44, 24-28	3.2	10
38	Phosphorene: Current status, challenges and opportunities. *Frontiers of Chemical Science and Engineering*, **2019**, 13, 296-309	4.5	10
37	Sulfonated dendritic mesoporous silica nanospheres: a metal-free Lewis acid catalyst for the upgrading of carbohydrates. *Green Chemistry*, **2020**, 22, 1754-1762	10	9
36	Mechanochemical synthesis of Cu2S bonded 2D-sulfonated organic polymers: continuous production of dimethyl carbonate (DMC) via preheating of reactants. *Green Chemistry*, **2020**, 22, 5619-5627	10	9
35	A One Pot Green Synthesis of 3,4 Dihydropyrimidin-2-(1H)-ones/Thiones Catalyzed By MgO-ZrO2 Under Solvent-Free Conditions. *Letters in Organic Chemistry*, **2012**, 9, 12-18	0.6	8
34	Significant enhancement of photoactivity in one-dimensional TiO2 nanorods modified by S-, N-, O-doped carbon nanosheets. *Catalysis Today*, **2019**, 328, 111-117	5.3	8
33	N-Graphitic Modified Cobalt Nanoparticles Supported on Graphene for Tandem Dehydrogenation of Ammonia Borane and Semihydrogenation of Alkynes. *ACS Sustainable Chemistry and Engineering* , **2020**, 8, 11058-11068	8.3	7
32	SO4 2−/SnO2: Efficient, Chemoselective, and Reusable Catalyst for Acylation of Alcohols, Phenols, and Amines at Room Temperature. *Synthetic Communications*, **2007**, 37, 3011-3020	1.7	7
31	Developments in the Reactivity of 2-Methylimidazolium Salts. *Journal of Organic Chemistry*, **2017**, 82, 6232-6241	4.2	6
30	Single-Atom Catalysis: Mixed-Valence Single-Atom Catalyst Derived from Functionalized Graphene (Adv. Mater. 17/2019). *Advanced Materials*, **2019**, 31, 1970125	24	5

29	Reusable Co-nanoparticles for general and selective -alkylation of amines and ammonia with alcohols.. *Chemical Science*, **2021**, 13, 111-117	9.4	5
28	Magnetite (Ferrites)-Supported Nano-Catalysts: Sustainable Applications in Organic Transformations. *ACS Symposium Series*, **2016**, 39-78	0.4	5
27	Silica-Coated Magnetic Nano-Particles: Application in Catalysis. *ACS Symposium Series*, **2016**, 1-38	0.4	5
26	Low temperature processed titanium oxide thin-film using scalable wire-bar coating. *Materials Research Express*, **2019**, 6, 126427	1.7	5
25	Efficient and sustainable Co3O4 nanocages based nickel catalyst: A suitable platform for the synthesis of quinoxaline derivatives. *Molecular Catalysis*, **2021**, 504, 111454	3.3	4
24	Convenient and Reusable Manganese-Based Nanocatalyst for Amination of Alcohols. *ChemCatChem*, **2021**, 13, 4334	5.2	4
23	Role of Mixed Metal Oxides in Heterogeneous Catalysis **2016**, 1-19		3
22	Base-free Transfer Hydrogenation of Nitroarenes Catalyzed by Micro-mesoporous Iron Oxide. *ChemCatChem*, **2016**, 8, 2298-2298	5.2	3
21	Iron Oxide-Cobalt Nanocatalyst for --Boc Protection and Arylation of Phenols. *Nanomaterials*, **2018**, 8,	5.4	3
20	Current Trends in Aqueous Mediated Organic Synthesis **2014**, 03,		3
19	Sustainable Nanocatalysts for Organic Synthetic Transformations **2014**, 03,		3
18	Recent Advances of Photocatalytic Hydrogenation of CO2 to Methanol. *Catalysts*, **2022**, 12, 94	4	3
17	Rapid and Scalable Wire-bar Strategy for Coating of TiO Thin-films: Effect of Post-Annealing Temperatures on Structures and Catalytic Dye-Degradation. *Molecules*, **2020**, 25,	4.8	3
16	AgNWs-a-TiOx: a scalable wire bar coated core□shell nanocomposite as transparent thin film electrode for flexible electronics applications. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 6454-6464	2.1	3
15	An advanced plasmonic photocatalyst containing silver(0) single atoms for selective borylation of aryl iodides. *Applied Catalysis B: Environmental*, **2021**, 299, 120674	21.8	3
14	Advances in Carbon Nitride-Based Materials and Their Electrocatalytic Applications. *ACS Catalysis*, **2022**, 12, 5605-5660	13.1	3
13	Chemistry of magnetic covalent organic frameworks (MagCOFs): From synthesis to separation applications. *Materials Advances*,	3.3	2
12	Chapter 3:Support Morphology-dependent Activity of Nanocatalysts. *RSC Catalysis Series*, **2019**, 84-114	0.3	2

List of Publications

11	A Sustainable and Efficient Synthesis of Benzyl Phosphonates Using PEG/KI Catalytic System. *Frontiers in Chemistry*, **2016**, 4, 35	5	2
10	A Review on Synthesis and Applications of Sustainable Copper-Based Nanocomposites. *Green Chemistry*,	10	2
9	Synthesis and Evaluation of Anticonvulsant Activity of Some Schiff Bases of 7-Amino-1,3-dihydro-2H-1,4-benzodiazepin-2-one. *Chemistry and Biodiversity*, **2020**, 17, e2000342	2.5	1
8	Photo-oxidation Technologies for Advanced Water Treatment. *Applied Environmental Science and Engineering for A Sustainable Future*, **2020**, 221-255	0.5	1
7	Unlocking the catalytic potency of a magnetic responsive CoFe2O4/Ni-BTC MOF composite for the sustainable synthesis of tri- and tetra-substituted imidazoles. *Materials Chemistry Frontiers*, **2021**, 5, 7343-7355	7.8	1
6	Surface engineered Iridium-based magnetic photocatalyst paving a path towards visible light driven C-H arylation and cyanation reaction. *Journal of Catalysis*, **2021**, 401, 297-308	7.3	1
5	Single-Atom Catalysts. *Advanced Materials Interfaces*, **2021**, 8, 2100436	4.6	0
4	Editorial (Thematic Issue: Sustainable Catalysts and Benign Organic Transformations). *Current Organic Chemistry*, **2015**, 19, 665-666	1.7	
3	SMN-based catalytic membranes for environmental catalysis **2022**, 171-196		
2	Surface-modified nanomaterial-based catalytic materials for modern industry applications **2022**, 267-288		
1	Surface-modified nanomaterial-based catalytic materials for the production of liquid fuels **2022**, 131-169		