

Asim Bhaumik

List of Publications by Year in descending order

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444
papers

21,758
citations

6613

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19749

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476
all docs

476
docs citations

476
times ranked

20863
citing authors

#	ARTICLE	IF	CITATIONS
1	High proton conductivity in a charge carrier-induced Ni metal-organic framework. <i>New Journal of Chemistry</i> , 2022, 46, 1867-1876.	2.8	7
2	Soft-templating routes for the synthesis of mesoporous tantalum phosphates and their catalytic activity in glycerol dehydration and carbonylation reactions. <i>Molecular Catalysis</i> , 2022, 518, 112074.	2.0	11
3	Green synthesis of C5-C6-unsubstituted 1,4-DHP scaffolds using an efficient Ni-chitosan nanocatalyst under ultrasonic conditions. <i>Beilstein Journal of Organic Chemistry</i> , 2022, 18, 133-142.	2.2	3
4	Carboxylation of Alkenes and Alkynes Using CO ₂ as a Reagent: An Overview. <i>Current Organic Chemistry</i> , 2022, 26, 60-70.	1.6	2
5	Ag nanoparticles immobilized over highly porous crystalline organosilica for epoxidation of styrene using CO ₂ as oxidant. <i>Journal of CO₂ Utilization</i> , 2022, 55, 101843.	6.8	3
6	The Emerging Roles of Silver Nanoparticles to Target Viral Life Cycle and Detect Viral Pathogens. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	17
7	Mixed-Valence Bimetallic Ce/Zr MOF-Based Nanoarchitecture: A Visible-Light-Active Photocatalyst for Ciprofloxacin Degradation and Hydrogen Evolution. <i>Langmuir</i> , 2022, 38, 1766-1780.	3.5	69
8	Fabrication of a hollow sphere N,S co-doped bifunctional carbon catalyst for sustainable fixation of CO ₂ to cyclic carbonates. <i>Green Chemistry</i> , 2022, 24, 1673-1692.	9.0	42
9	Porous organic-inorganic hybrid materials for catalysis, energy and environmental applications. <i>Chemical Communications</i> , 2022, 58, 3429-3460.	4.1	35
10	Novel Microporous Iron-Embedded Cobalt Phosphonates Feasible for Electrochemical Overall Water Splitting. <i>ACS Applied Energy Materials</i> , 2022, 5, 3558-3567.	5.1	15
11	Metal-Thiolate Framework for Electrochemical and Photoelectrochemical Hydrogen Generation. <i>ChemSusChem</i> , 2022, .	6.8	2
12	Nanospace Engineering of Triazine-Thiophene-Intertwined Porous-Organic-Polymers via Molecular Expansion in Tweaking CO ₂ Capture. <i>ACS Applied Nano Materials</i> , 2022, 5, 5302-5315.	5.0	22
13	Synthesis of cyclic carbonates of different epoxides using CO ₂ as a C1 building block over Ag/TUD-1 mesoporous silica catalyst: A solvent free approach. <i>Molecular Catalysis</i> , 2022, 522, 112234.	2.0	6
14	Novel microporous organic-inorganic hybrid metal phosphonates as electrocatalysts towards water oxidation reaction. <i>Electrochimica Acta</i> , 2022, 416, 140277.	5.2	9
15	Highly stable tetradentate phosphonate-based green fluorescent Cu-MOF for anticancer therapy and antibacterial activity. <i>Materials Today Chemistry</i> , 2022, 24, 100882.	3.5	11
16	A conjugated 2D covalent organic framework as a drug delivery vehicle towards triple negative breast cancer malignancy. <i>Nanoscale Advances</i> , 2022, 4, 2313-2320.	4.6	18
17	A Ni(II) Metal-Organic Framework with Mixed Carboxylate and Bipyridine Ligands for Ultrafast and Selective Sensing of Explosives and Photoelectrochemical Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 20907-20918.	8.0	40
18	Dehydrogenase-Functionalized Interfaced Materials in Electroenzymatic and Photoelectroenzymatic CO ₂ Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6141-6156.	6.7	7

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19	A new phosphonate based Mn-MOF in recognising arginine over lysine in aqueous medium and other bio-fluids with α -Sepsis-disease remediation. Chemical Engineering Journal, 2022, 446, 136916.	12.7	9
20	Selective CO ₂ reduction to methane catalyzed by mesoporous Ru-Fe ₃ O ₄ /CeO _x -SiO ₂ in a fixed bed flow reactor. Molecular Catalysis, 2022, 528, 112486.	2.0	5
21	Morphologically controlled cobalt oxide nanoparticles for efficient oxygen evolution reaction. Journal of Colloid and Interface Science, 2021, 582, 322-332.	9.4	51
22	Microporous nickel phosphonate derived heteroatom doped nickel oxide and nickel phosphide: Efficient electrocatalysts for oxygen evolution reaction. Chemical Engineering Journal, 2021, 405, 126803.	12.7	112
23	Metformin-templated Nanoporous ZnO and Covalent Organic Framework Heterojunction Photoanode for Photoelectrochemical Water Oxidation. ChemSusChem, 2021, 14, 408-416.	6.8	45
24	A novel crystalline nanoporous iron phosphonate based metal-organic framework as an efficient anode material for lithium ion batteries. New Journal of Chemistry, 2021, 45, 15458-15468.	2.8	9
25	Sulfur-containing nitrogen-rich robust hierarchically porous organic polymer for adsorptive removal of mercury: experimental and theoretical insights. Environmental Science: Nano, 2021, 8, 2641-2649.	4.3	15
26	A new 2D lanthanum based microporous MOF for efficient synthesis of cyclic carbonates through CO ₂ fixation. New Journal of Chemistry, 2021, 45, 9189-9196.	2.8	12
27	The design and synthesis of heterogeneous catalysts for environmental applications. Dalton Transactions, 2021, 50, 4765-4771.	3.3	12
28	Solvent-free benzylic oxidation of aromatics over Cu(II)-containing propylsalicylaldimine anchored on the surface of mesoporous silica catalysts α . Dalton Transactions, 2021, 50, 15118-15128.	3.3	2
29	Catalytic transformation of ethanol to methane and butene over NiO NPs supported over mesoporous SBA-15. Molecular Catalysis, 2021, 502, 111381.	2.0	6
30	CO ₂ hydrogenation over functional nanoporous polymers and metal-organic frameworks. Advances in Colloid and Interface Science, 2021, 290, 102349.	14.7	36
31	Novel Tetradentate Phosphonate Ligand Based Bioinspired Co-Metal-Organic Frameworks: Robust Electrocatalyst for the Hydrogen Evolution Reaction in Different Mediums. Crystal Growth and Design, 2021, 21, 2614-2623.	3.0	17
32	Mesoporous Porphyrin-Silica Nanocomposite as Solid Acid Catalyst for High Yield Synthesis of HMF in Water. Molecules, 2021, 26, 2519.	3.8	24
33	A Tetradentate Phosphonate Ligand-based Ni-MOF as a Support for Designing High-performance Proton-conducting Materials. Chemistry - an Asian Journal, 2021, 16, 1562-1569.	3.3	24
34	Transformation of Wurtzite ZnO to a New Triclinic Nanoporous ZnO Phase via Hydrothermal Treatment with Metformin for Designing Proton Conducting Material. Chemistry - an Asian Journal, 2021, 16, 2261-2266.	3.3	1
35	Nickel Nanoparticles Immobilized over Mesoporous SBA-15 for Efficient Carbonylative Coupling Reactions Utilizing CO ₂ : A Spotlight. ACS Applied Materials & Interfaces, 2021, 13, 40157-40171.	8.0	20
36	Cross-Linked Porous Polymers as Heterogeneous Organocatalysts for Task-Specific Applications in Biomass Transformations, CO ₂ Fixation, and Asymmetric Reactions. ACS Sustainable Chemistry and Engineering, 2021, 9, 12431-12460.	6.7	40

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37	Ultrasound-promoted novel route to triazabenzobicyclopentafluorenes: An efficient NiFe ₂ O ₄ @SiO ₂ -SO ₃ H nanocatalyst-assisted green synthesis. Applied Organometallic Chemistry, 2021, 35, e6426.	3.5	4
38	Metal-Free Triazine-Based 2D Covalent Organic Framework for Efficient H ₂ Evolution by Electrochemical Water Splitting. ChemSusChem, 2021, 14, 5057-5064.	6.8	42
39	Bifunctional crystalline microporous organic polymers: Efficient heterogeneous catalysts for the synthesis of 5-hydroxymethylfurfural. Molecular Catalysis, 2021, 515, 111877.	2.0	6
40	Cu(II)-grafted 2D-hexagonal mesoporous material as an efficient catalyst for Sonogashira C-C cross-coupling reaction. Materials Today: Proceedings, 2021, 45, 3733-3740.	1.8	1
41	Novel Nanoporous Ti-Phosphonate Metal-Organic Framework for Selective Sensing of 2,4,6-Trinitrophenol and a Promising Electrode in an Energy Storage Device. ACS Sustainable Chemistry and Engineering, 2021, 9, 14224-14237.	6.7	42
42	Novel Microporous Metal Phosphonates as Electrocatalyst for the Electrochemical Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2021, 4, 12827-12835.	5.1	13
43	Lithium embedded hierarchically porous aluminium phosphonate as anode material for lithium-polymer battery. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 274, 115490.	3.5	2
44	Selective N-formylation of amines catalysed by Ag NPs festooned over amine functionalized SBA-15 utilizing CO ₂ as C1 source. Molecular Catalysis, 2021, 516, 111978.	2.0	11
45	Metal-Free Pyrene-Based Conjugated Microporous Polymer Catalyst Bearing N- and S-Sites for Photoelectrochemical Oxygen Evolution Reaction. Frontiers in Chemistry, 2021, 9, 803860.	3.6	8
46	CuO grafted triazine functionalized covalent organic framework as an efficient catalyst for C-C homo coupling reaction. Molecular Catalysis, 2020, 480, 110650.	2.0	33
47	Solvent-Free Environmentally Benign Approach for the Selective Olefin Epoxidation Catalyzed by Mn(III)-Immobilized Mesoporous Nanoarchitectonics. Journal of Nanoscience and Nanotechnology, 2020, 20, 2858-2866.	0.9	12
48	A New Porous Ni-W Mixed Metal Phosphonate Open Framework Material for Efficient Photoelectrochemical OER. ChemCatChem, 2020, 12, 1504-1511.	3.7	22
49	Porous organic polymer as an efficient organocatalyst for the synthesis of biofuel ethyl levulinate. Molecular Catalysis, 2020, 494, 111119.	2.0	9
50	Electronic Effect in a Ruthenium Catalyst Designed in Nanoporous N-Functionalized Carbon for Efficient Hydrogenation of Heteroarenes. ACS Applied Materials & Interfaces, 2020, 12, 52668-52677.	8.0	17
51	Porous organic polymer bearing triazine and pyrene moieties as an efficient organocatalyst. Molecular Catalysis, 2020, 497, 111198.	2.0	7
52	Functionalized porous organic materials as efficient media for the adsorptive removal of Hg(II) ions. Environmental Science: Nano, 2020, 7, 2887-2923.	4.3	44
53	Catalytic reduction of CO ₂ into fuels and fine chemicals. Green Chemistry, 2020, 22, 4002-4033.	9.0	162
54	General synthesis of hierarchical sheet/plate-like M-BDC (M = Cu, Mn, Ni, and Zr) metal-organic frameworks for electrochemical non-enzymatic glucose sensing. Chemical Science, 2020, 11, 3644-3655.	7.4	205

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55	Green oxidation of alkylaromatics using molecular oxygen over mesoporous manganese silicate catalysts. Dalton Transactions, 2020, 49, 9710-9718.	3.3	7
56	Thiadiazole containing N- and S-rich highly ordered periodic mesoporous organosilica for efficient removal of Hg(II) from polluted water. Chemical Communications, 2020, 56, 3963-3966.	4.1	40
57	Nano-SiO ₂ @ [DABCO(CH ₂ CH ₂ CO ₂ H)]+[Br] ⁻ as an efficient and recyclable SCILL for water mediated facile synthesis of thiol-substituted N-aryl pentasubstituted pyrroles. Catalysis Communications, 2020, 139, 105966.	3.3	6
58	Facile Synthesis of Nanoporous Transition Metal-Based Phosphates for Oxygen Evolution Reaction. ChemCatChem, 2020, 12, 2091-2096.	3.7	106
59	A Thiadiazole-Based Covalent Organic Framework: A Metal-Free Electrocatalyst toward Oxygen Evolution Reaction. ACS Catalysis, 2020, 10, 5623-5630.	11.2	140
60	Novel porous metal phosphonates as efficient electrocatalysts for the oxygen evolution reaction. Chemical Engineering Journal, 2020, 396, 125245.	12.7	54
61	AgNPs Immobilized over Functionalized 2D Hexagonal SBA-15 for Catalytic H ₂ Oxidation of Hydrocarbons with Molecular Oxygen under Solvent-Free Conditions. ACS Sustainable Chemistry and Engineering, 2020, 8, 5856-5867.	6.7	40
62	Ti(IV)-containing aluminophosphate material TAPO-25 for photoelectrochemical water oxidation. Molecular Catalysis, 2020, 486, 110876.	2.0	1
63	Crystalline Porous Organic Polymer Bearing SO ₃ H Functionality for High Proton Conductivity. ACS Sustainable Chemistry and Engineering, 2020, 8, 2423-2432.	6.7	43
64	Folic acid-conjugated magnetic mesoporous silica nanoparticles loaded with quercetin: a theranostic approach for cancer management. RSC Advances, 2020, 10, 23148-23164.	3.6	47
65	Materials with Nanoscale Porosity: Energy and Environmental Applications. Chemical Record, 2019, 19, 333-346.	5.8	9
66	Porous Organic Polymers for CO ₂ Storage and Conversion Reactions. ChemCatChem, 2019, 11, 244-257.	3.7	153
67	Pd-chelated 1,3,5-triazine organosilica as an active catalyst for Suzuki and Heck reactions. Molecular Catalysis, 2019, 476, 110521.	2.0	10
68	Nanoarchitected Metal Phosphates and Phosphonates: A New Material Horizon toward Emerging Applications. Chemistry of Materials, 2019, 31, 5343-5362.	6.7	87
69	A new triazine-thiophene based porous organic polymer as efficient catalyst for the synthesis of chromenes via multicomponent coupling and catalyst support for facile synthesis of HMF from carbohydrates. Molecular Catalysis, 2019, 475, 110483.	2.0	22
70	Chiral Cr(III)-salen complex embedded over sulfonic acid functionalized mesoporous SBA-15 material as an efficient catalyst for the asymmetric Henry reaction. Molecular Catalysis, 2019, 475, 110489.	2.0	8
71	Organically Functionalized Mesoporous SBA-15 Type Material Bearing Fluorescent Sites for Selective Detection of Hg ^{II} from Aqueous Medium. ACS Omega, 2019, 4, 17857-17863.	3.5	24
72	Ag nanoparticle-decorated, ordered mesoporous silica as an efficient electrocatalyst for alkaline water oxidation reaction. Dalton Transactions, 2019, 48, 2220-2227.	3.3	40

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73	Mesoporous MCM-41 Silica Supported Pyridine Nanoparticle: A Highly Efficient, Recyclable Catalyst for Expedient Synthesis of Quinoline Derivatives through Domino Approach. <i>ChemistrySelect</i> , 2019, 4, 1776-1784.	1.5	18
74	An Efficient Mesoporous Cu-Organic Nanorod for Friedländer Synthesis of Quinoline and Click Reactions. <i>ChemCatChem</i> , 2019, 11, 4340-4350.	3.7	40
75	Ag NPs decorated on a COF in the presence of DBU as an efficient catalytic system for the synthesis of tetramic acids via CO ₂ fixation into propargylic amines at atmospheric pressure. <i>Dalton Transactions</i> , 2019, 48, 4657-4666.	3.3	67
76	Thioether-Functionalized Covalent Triazine Nanospheres: A Robust Adsorbent for Mercury Removal. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7353-7361.	6.7	86
77	Pt Nanoparticles Supported over Porous Porphyrin Nanospheres for Chemoselective Hydrogenation Reactions. <i>ChemCatChem</i> , 2019, 11, 1977-1985.	3.7	23
78	IrO ₂ and Pt Doped Mesoporous SnO ₂ Nanospheres as Efficient Electrocatalysts for the Facile OER and HER. <i>ChemCatChem</i> , 2019, 11, 583-592.	3.7	82
79	Efficacious Electrochemical Oxygen Evolution from a Novel Co(II) Porphyrin/Pyrene-Based Conjugated Microporous Polymer. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1520-1528.	8.0	75
80	Fabrication of Ionic-Liquid-Embedded ZnO Nanoparticles: Application of a Synergistic Catalytic Effect to Thiol-Induced 2-Pyridone Synthesis. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 964-976.	2.7	9
81	A new electrochemically responsive 2D π -conjugated covalent organic framework as a high performance supercapacitor. <i>Microporous and Mesoporous Materials</i> , 2018, 266, 109-116.	4.4	84
82	N-rich Porous Organic Polymer as Heterogeneous Organocatalyst for the One-Pot Synthesis of Polyhydroquinoline Derivatives through the Hantzsch Condensation Reaction. <i>ChemCatChem</i> , 2018, 10, 2488-2495.	3.7	47
83	Supported Porous Nanomaterials as Efficient Heterogeneous Catalysts for CO ₂ Fixation Reactions. <i>Chemistry - A European Journal</i> , 2018, 24, 7278-7297.	3.3	107
84	N-rich graphitic carbon nitride functionalized graphene oxide nanosheet hybrid as anode for high performance lithium-ion batteries. <i>Materials Research Express</i> , 2018, 5, 016307.	1.6	18
85	Use of an efficient polystyrene-supported cerium catalyst for one-pot multicomponent synthesis of spiro-piperidine derivatives and click reactions in green solvent. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4227.	3.5	14
86	Porous Polymer Bearing Polyphenolic Organic Building Units as a Chemotherapeutic Agent for Cancer Treatment. <i>ACS Omega</i> , 2018, 3, 529-535.	3.5	18
87	Ordered mesoporous γ -Al ₂ O ₃ as highly efficient and recyclable catalyst for the Knoevenagel reaction at room temperature. <i>Molecular Catalysis</i> , 2018, 451, 220-227.	2.0	12
88	Serendipitous Observation of Liquid-Phase Size Selectivity inside a Mesoporous Silica Nanoreactor in the Reaction of Chromene with Formic Acid. <i>ChemCatChem</i> , 2018, 10, 2260-2270.	3.7	7
89	A facile route for the syntheses of Ni(OH) ₂ and NiO nanostructures as potential candidates for non-enzymatic glucose sensor. <i>Journal of Colloid and Interface Science</i> , 2018, 516, 121-127.	9.4	66
90	A New Porous Polymer for Highly Efficient Capacitive Energy Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 202-209.	6.7	78

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91	Porous iron-phosphonate nanomaterial as an efficient catalyst for the CO ₂ fixation at atmospheric pressure and esterification of biomass-derived levulinic acid. <i>Catalysis Today</i> , 2018, 309, 253-262.	4.4	41
92	A new microporous oxyfluorinated titanium(IV) phosphate as an efficient heterogeneous catalyst for the selective oxidation of cyclohexanone. <i>Journal of Colloid and Interface Science</i> , 2018, 511, 92-100.	9.4	13
93	Zeolite-Mediated Multicomponent Reaction of Isatins, Cyclic 1,3-Diketones, and 1,2-Phenylenediamine: Easy Access to Spirodibenzo[1,4]diazepines. <i>ChemCatChem</i> , 2018, 10, 590-600.	3.7	14
94	Ruthenium Nanoparticle-Decorated Porous Organic Network for Direct Hydrodeoxygenation of Long-Chain Fatty Acids to Alkanes. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1610-1619.	6.7	48
95	MnAPO-5 as an efficient heterogeneous catalyst for selective liquid phase partial oxidation reactions. <i>Dalton Transactions</i> , 2018, 47, 791-798.	3.3	10
96	Utility of the Ditopic Nature of Magnetically Recyclable NiFe ₂ O ₄ Nano-Catalyst for the Green Synthesis of Two Different Spiro[indoline-pyrrolizine] Scaffolds. <i>ChemistrySelect</i> , 2018, 3, 12755-12763.	1.5	9
97	A new triazine based π -conjugated mesoporous 2D covalent organic framework: its <i>in vitro</i> anticancer activities. <i>Chemical Communications</i> , 2018, 54, 11475-11478.	4.1	37
98	Role of Surface Phenolic-OH Groups in N-Rich Porous Organic Polymers for Enhancing the CO ₂ Uptake and CO ₂ /N ₂ Selectivity: Experimental and Computational Studies. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23813-23824.	8.0	74
99	Magnesium oxide as an efficient catalyst for CO ₂ fixation and N-formylation reactions under ambient conditions. <i>Molecular Catalysis</i> , 2018, 450, 46-54.	2.0	63
100	Plasmonic gold deposited on mesoporous Ti Si _{1-x} O ₂ with isolated silica in lattice: An excellent photocatalyst for photocatalytic conversion of CO ₂ into methanol under visible light irradiation. <i>Journal of CO₂ Utilization</i> , 2018, 27, 11-21.	6.8	28
101	Microporous Nanotubes and Nanospheres with Iron-Catechol Sites: Efficient Lewis Acid Catalyst and Support for Ag Nanoparticles in CO ₂ Fixation Reaction. <i>Chemistry - A European Journal</i> , 2018, 24, 14189-14197.	3.3	34
102	Pd NP-Decorated N-Rich Porous Organic Polymer as an Efficient Catalyst for Upgradation of Biofuels. <i>ACS Omega</i> , 2018, 3, 7639-7647.	3.5	19
103	Covalent organic framework based microspheres as an anode material for rechargeable sodium batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16655-16663.	10.3	113
104	Mesoporous CdS via Network of Self-Assembled Nanocrystals: Synthesis, Characterization and Enhanced Photoconducting Property. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 256-263.	0.9	3
105	Frontispiece: Supported Porous Nanomaterials as Efficient Heterogeneous Catalysts for CO ₂ Fixation Reactions. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
106	Chiral copper-salen complex grafted over functionalized mesoporous silica as an efficient catalyst for asymmetric Henry reactions and synthesis of the potent drug (<i>R</i>)-isoproterenol. <i>New Journal of Chemistry</i> , 2018, 42, 11896-11904.	2.8	19
107	A high performance catalyst of shape-specific ruthenium nanoparticles for production of primary amines by reductive amination of carbonyl compounds. <i>Chemical Science</i> , 2018, 9, 5949-5956.	7.4	92
108	Bifunctionalized Mesoporous SBA-15: A New Heterogeneous Catalyst for the Facile Synthesis of 5-Hydroxymethylfurfural. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2763-2773.	6.7	92

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109	A New Triazine-Based Covalent Organic Framework for High-Performance Capacitive Energy Storage. <i>ChemSusChem</i> , 2017, 10, 921-929.	6.8	132
110	Cascade synthesis of selective dihydro pyridazino fused acridinone derivatives via MCM-41 catalyzed ring-opening/ring-closure reaction. <i>Tetrahedron Letters</i> , 2017, 58, 622-628.	1.4	10
111	Silver nanoparticles supported over mesoporous alumina as an efficient nanocatalyst for N-alkylation of hetero (aromatic) amines and aromatic amines using alcohols as alkylating agent. <i>Journal of Colloid and Interface Science</i> , 2017, 493, 206-217.	9.4	21
112	One-Pot Synthesis of Polyhydroquinoline Derivatives through Organic-Solid-Acid-Catalyzed Hantzsch Condensation Reaction. <i>ChemCatChem</i> , 2017, 9, 1469-1475.	3.7	56
113	Pd Nanoparticles Decorated on Hypercrosslinked Microporous Polymer: A Highly Efficient Catalyst for the Formylation of Amines through Carbon Dioxide Fixation. <i>ChemCatChem</i> , 2017, 9, 1939-1946.	3.7	79
114	A facile approach for the synthesis of hydroxyl-rich microporous organic networks for efficient CO ₂ capture and H ₂ storage. <i>Chemical Communications</i> , 2017, 53, 2752-2755.	4.1	38
115	Functionalized SBA-15 material with grafted CO ₂ H group as an efficient heterogeneous acid catalyst for the fixation of CO ₂ on epoxides under atmospheric pressure. <i>Molecular Catalysis</i> , 2017, 434, 25-31.	2.0	29
116	Catecholase activity of a manganese Schiff base complex functionalized over SBA-15 in aqueous heterogeneous medium. <i>Microporous and Mesoporous Materials</i> , 2017, 249, 78-87.	4.4	11
117	Triazine containing N-rich microporous organic polymers for CO ₂ capture and unprecedented CO ₂ /N ₂ selectivity. <i>Journal of Solid State Chemistry</i> , 2017, 247, 113-119.	2.9	29
118	Nitrogen Rich Carbon Coated TiO ₂ Nanoparticles as Anode for High Performance Lithium-ion Battery. <i>Electrochimica Acta</i> , 2017, 255, 417-427.	5.2	56
119	Palladium nanoparticles embedded over mesoporous TiO ₂ for chemical fixation of CO ₂ under atmospheric pressure and solvent-free conditions. <i>New Journal of Chemistry</i> , 2017, 41, 12937-12946.	2.8	39
120	Palladium nanoparticles embedded on mesoporous TiO ₂ material (Pd@MTiO ₂) as an efficient heterogeneous catalyst for Suzuki-Coupling reactions in water medium. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 378-386.	9.4	42
121	Covalent Organic Framework Material Bearing Phloroglucinol Building Units as a Potent Anticancer Agent. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31411-31423.	8.0	78
122	A new strongly paramagnetic cerium-containing microporous MOF for CO ₂ fixation under ambient conditions. <i>Dalton Transactions</i> , 2017, 46, 13783-13792.	3.3	88
123	A Metal-Free Covalent Organic Polymer for Electrocatalytic Hydrogen Evolution. <i>ACS Catalysis</i> , 2017, 7, 6120-6127.	11.2	184
124	Mesoporous γ -Alumina with Isolated Silica Sites for Direct Liquid Hydrocarbon Production during Fischer-Tropsch Reactions in Microchannel Reactor. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7576-7586.	6.7	10
125	An Expedient Synthesis of Spiro[chromeno[2,3-c]pyrazole-4,3'-indolin]-2,5-diones Catalysed by Recyclable Spinel ZnFe ₂ O ₄ Nanopowder. <i>ChemistrySelect</i> , 2017, 2, 4857-4865.	1.5	9
126	Electrochemical Stimuli-Driven Facile Metal-Free Hydrogen Evolution from Pyrene-Porphyrin-Based Crystalline Covalent Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23843-23851.	8.0	179

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127	Silver nanoparticles supported over Al ₂ O ₃ @Fe ₂ O ₃ core-shell nanoparticles as an efficient catalyst for one-pot synthesis of 1,2,3-triazoles and acylation of benzyl alcohol. <i>Molecular Catalysis</i> , 2017, 439, 31-40.	2.0	34
128	Mesoporous silica nanoparticle based enzyme responsive system for colon specific drug delivery through guar gum capping. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 150, 352-361.	5.0	151
129	NASICON type ordered mesoporous lithium-aluminum-titanium-phosphate as electrode materials for lithium-ion batteries. <i>Microporous and Mesoporous Materials</i> , 2017, 240, 57-64.	4.4	20
130	Magnetic Nanohybrid Decorated Porous Organic Polymer: Synergistic Catalyst for High Performance Levulinic Acid Hydrogenation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1033-1045.	6.7	79
131	Activated Alumina Balls under Neat Conditions: A Green Catalyst for the Synthesis of Spiro-Heterocyclic Scaffolds by Ring-Opening versus Annulation of the Isatin Moiety. <i>ChemCatChem</i> , 2016, 8, 1185-1198.	3.7	25
132	Organic-Inorganic Hybrid Metal Phosphonates as Recyclable Heterogeneous Catalysts. <i>ChemCatChem</i> , 2016, 8, 1607-1616.	3.7	45
133	Integrated Experimental and Theoretical Study of Shape-Controlled Catalytic Oxidative Coupling of Aromatic Amines over CuO Nanostructures. <i>ACS Omega</i> , 2016, 1, 1121-1138.	3.5	39
134	Strongly coupled Mn ₃ O ₄ -porous organic polymer hybrid: a robust, durable and potential nanocatalyst for alcohol oxidation reactions. <i>RSC Advances</i> , 2016, 6, 36728-36735.	3.6	24
135	Towards rational design of core-shell catalytic nanoreactor with high performance catalytic hydrogenation of levulinic acid. <i>Catalysis Science and Technology</i> , 2016, 6, 5102-5115.	4.1	50
136	A new triazine functionalized luminescent covalent organic framework for nitroaromatic sensing and CO ₂ storage. <i>RSC Advances</i> , 2016, 6, 28047-28054.	3.6	125
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