Sreekumar Kurungot

List of Publications by Year
in descending order

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219 papers	11,266 citations	24978 57 h-index	38300 95 g-index
224 all docs	224 docs citations	224 times ranked	14122 citing authors

#	Article	IF	Citations
1	Cobalt-Modified Covalent Organic Framework as a Robust Water Oxidation Electrocatalyst. Chemistry of Materials, 2016, 28, 4375-4379.	3.2	368
2	Twoâ€inâ€One: Inherent Anhydrous and Waterâ€Assisted High Proton Conduction in a 3D Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2014, 53, 2638-2642.	7.2	367
3	Novel scalable synthesis of highly conducting and robust PEDOT paper for a high performance flexible solid supercapacitor. Energy and Environmental Science, 2015, 8, 1339-1347.	15.6	350
4	Interlayer Hydrogen-Bonded Covalent Organic Frameworks as High-Performance Supercapacitors. Journal of the American Chemical Society, 2018, 140, 10941-10945.	6.6	339
5	Hydrogenâ€Bonded Organic Frameworks (HOFs): A New Class of Porous Crystalline Protonâ€Conducting Materials. Angewandte Chemie - International Edition, 2016, 55, 10667-10671.	7.2	334
6	A mechanochemically synthesized covalent organic framework as a proton-conducting solid electrolyte. Journal of Materials Chemistry A, 2016, 4, 2682-2690.	5.2	309
7	Nanoporous Graphene Enriched with Fe/Coâ€N Active Sites as a Promising Oxygen Reduction Electrocatalyst for Anion Exchange Membrane Fuel Cells. Advanced Functional Materials, 2016, 26, 2150-2162.	7.8	305
8	Zinc ion interactions in a two-dimensional covalent organic framework based aqueous zinc ion battery. Chemical Science, 2019, 10, 8889-8894.	3.7	220
9	A Covalent Organic Frameworkâ€“Cadmium Sulfide Hybrid as a Prototype Photocatalyst for Visibleâ€Lightâ€Driven Hydrogen Production. Chemistry - A European Journal, 2014, 20, 15961-15965.	1.7	217
10	Superprotonic Conductivity in Flexible Porous Covalent Organic Framework Membranes. Angewandte Chemie - International Edition, 2018, 57, 10894-10898.	7.2	207
11	Low Band Gap Benzimidazole COF Supported Ni₃N as Highly Active OER Catalyst. Advanced Energy Materials, 2016, 6, 1601189.	10.2	182
12	Cuâ€“Co Synergism in Cu1âˆ'xCoxFe2O4â€”Catalysis and XPS Aspects. Journal of Catalysis, 2002, 210, 405-417.	3.1	164
13	Graphene enriched with pyrrolic coordination of the doped nitrogen as an efficient metal-free electrocatalyst for oxygen reduction. Journal of Materials Chemistry, 2012, 22, 23506.	6.7	159
14	Nanoporous graphene by quantum dots removal from graphene and its conversion to a potential oxygen reduction electrocatalyst via nitrogen doping. Energy and Environmental Science, 2014, 7, 1059.	15.6	156
15	Imidazole-Linked Crystalline Two-Dimensional Polymer with Ultrahigh Proton-Conductivity. Journal of the American Chemical Society, 2019, 141, 14950-14954.	6.6	148
16	Zeolitic Imidazolate Framework (ZIF)â€Derived, Hollowâ€Core, Nitrogenâ€Doped Carbon Nanostructures for Oxygenâ€Reduction Reactions in PEFCs. Chemistry - A European Journal, 2013, 19, 9335-9342.	1.7	147
17	Post modification of MOF derived carbon via g-C₃N₄ entrapment for an efficient metal-free oxygen reduction reaction. Chemical Communications, 2014, 50, 3363-3366.	2.2	145
18	Surface-Tuned Co₃O₄ Nanoparticles Dispersed on Nitrogen-Doped Graphene as an Efficient Cathode Electrocatalyst for Mechanical Rechargeable Zincâ€“Air Battery Application. ACS Applied Materials & Interfaces, 2015, 7, 21138-21149.	4.0	145

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19	In situpolymerization process: an essential design tool for lithium polymer batteries. Energy and Environmental Science, 2021, 14, 2708-2788.	15.6	140
20	Graphene Oxide Sheathed ZIF-8 Microcrystals: Engineered Precursors of Nitrogen-Doped Porous Carbon for Efficient Oxygen Reduction Reaction (ORR) Electrocatalysis. ACS Applied Materials & Interfaces, 2016, 8, 29373-29382.	4.0	139
21	Porous Carbons from Nonporous MOFs: Influence of Ligand Characteristics on Intrinsic Properties of End Carbon. Crystal Growth and Design, 2013, 13, 4195-4199.	1.4	138
22	An efficient oxygen reduction electrocatalyst from graphene by simultaneously generating pores and nitrogen doped active sites. Journal of Materials Chemistry, 2012, 22, 23799.	6.7	136
23	Convergent Covalent Organic Framework Thin Sheets as Flexible Supercapacitor Electrodes. ACS Applied Materials & Interfaces, 2018, 10, 28139-28146.	4.0	134
24	Lowâ€Overpotential Electrocatalytic Water Splitting with Nobleâ€Metalâ€Free Nanoparticles Supported in a sp³ Nâ€Rich Flexible COF. Advanced Energy Materials, 2016, 6, 1600110.	10.2	121
25	Low Surface Energy Plane Exposed Co₃O₄Nanocubes Supported on Nitrogen-Doped Graphene as an Electrocatalyst for Efficient Water Oxidation. ACS Applied Materials & Interfaces, 2015, 7, 442-451.	4.0	108
26	Sensitive electrochemical detection of cardiac troponin I in serum and saliva by nitrogen-doped porous reduced graphene oxide electrode. Sensors and Actuators B: Chemical, 2018, 262, 180-187.	4.0	108
27	Biomass-derived activated carbon material from native European deciduous trees as an inexpensive and sustainable energy material for supercapacitor application. Journal of Energy Storage, 2021, 34, 102178.	3.9	105
28	Efficient and Durable Oxygen Reduction Electrocatalyst Based on CoMn Alloy Oxide Nanoparticles Supported Over N-Doped Porous Graphene. ACS Catalysis, 2017, 7, 6700-6710.	5.5	104
29	Cuâ€“Pt Nanocage with 3-D Electrocatalytic Surface as an Efficient Oxygen Reduction Electrocatalyst for a Primary Znâ€“Air Battery. ACS Catalysis, 2015, 5, 1445-1452.	5.5	103
30	One-dimensional confinement of a nanosized metal organic framework in carbon nanofibers for improved gas adsorption. Chemical Communications, 2012, 48, 2009.	2.2	96
31	Porousâ€Organicâ€Frameworkâ€Templated Nitrogenâ€Rich Porous Carbon as a More Proficient Electrocatalyst than Pt/C for the Electrochemical Reduction of Oxygen. Chemistry - A European Journal, 2013, 19, 974-980.	1.7	91
32	Fe(<scp>iii</scp>) phytate metallogel as a prototype anhydrous, intermediate temperature proton conductor. Chemical Science, 2015, 6, 603-607.	3.7	90
33	Domain Size Manipulation of Perflouorinated Polymer Electrolytes by Sulfonic Acid-Functionalized MWCNTs To Enhance Fuel Cell Performance. Langmuir, 2009, 25, 8299-8305.	1.6	87
34	Electrodeposited polyethylenedioxythiophene with infiltrated gel electrolyte interface: a close contest of an all-solid-state supercapacitor with its liquid-state counterpart. Nanoscale, 2014, 6, 5944.	2.8	85
35	Nitrogen-Induced Surface Area and Conductivity Modulation of Carbon Nanohorn and Its Function as an Efficient Metal-Free Oxygen Reduction Electrocatalyst for Anion-Exchange Membrane Fuel Cells. Small, 2015, 11, 352-360.	5.2	83
36	An all-solid-state-supercapacitor possessing a non-aqueous gel polymer electrolyte prepared using a UV-assisted in situ polymerization strategy. Journal of Materials Chemistry A, 2017, 5, 8461-8476.	5.2	83

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37	Nucleic aptamer modified porous reduced graphene oxide/MoS2 based electrodes for viral detection: Application to human papillomavirus (HPV). Sensors and Actuators B: Chemical, 2018, 262, 991-1000.	4.0	82
38	Ferrospinels based on Co and Ni prepared via a low temperature route as efficient catalysts for the selective synthesis of o-cresol and 2,6-xylenol from phenol and methanol. Journal of Molecular Catalysis A, 2002, 185, 259-268.	4.8	79
39	Improved performance of phosphonated carbon nanotubeâ€“polybenzimidazole composite membranes in proton exchange membrane fuel cells. Journal of Materials Chemistry, 2011, 21, 7223.	6.7	77
40	Hydrous RuO₂â€“carbon nanofiber electrodes with high mass and electrode-specific capacitance for efficient energy storage. Nanoscale, 2012, 4, 890-896.	2.8	77
41	Studies on gasoline fuel processor system for fuel-cell powered vehicles application. Applied Catalysis A: General, 2001, 215, 1-9.	2.2	76
42	Hydrogenâ€Bonded Organic Frameworks (HOFs): A New Class of Porous Crystalline Protonâ€Conducting Materials. Angewandte Chemie, 2016, 128, 10825-10829.	1.6	76
43	Dendrite Growth Suppression by Zn²⁺â€Ilntegrated Nafion Ionomer Membranes: Beyond Porous Separators toward Aqueous Zn/V₂O₅ Batteries with Extended Cycle Life. Energy Technology, 2019, 7, 1900442.	1.8	76
44	Zirconium-Substituted Cobalt Ferrite Nanoparticle Supported N-doped Reduced Graphene Oxide as an Efficient Bifunctional Electrocatalyst for Rechargeable Znâ€“Air Battery. ACS Catalysis, 2018, 8, 3715-3726.	5.5	75
45	From Waste Paper Basket to Solid State and Liâ€HEC Ultracapacitor Electrodes: A Value Added Journey for Shredded Office Paper. Small, 2014, 10, 4395-4402.	5.2	73
46	A 3D Hexaporous Carbon Assembled from Singleâ€Layer Graphene as High Performance Supercapacitor. ChemSusChem, 2012, 5, 2159-2164.	3.6	72
47	Magnetic reduced graphene oxide loaded hydrogels: Highly versatile and efficient adsorbents for dyes and selective Cr(VI) ions removal. Journal of Colloid and Interface Science, 2017, 507, 360-369.	5.0	72
48	Studies on nano composites of SPEEK/ethylene glycol/cellulose nanocrystals as promising proton exchange membranes. Electrochimica Acta, 2019, 293, 260-272.	2.6	71
49	Superprotonic Conductivity in Flexible Porous Covalent Organic Framework Membranes. Angewandte Chemie, 2018, 130, 11060-11064.	1.6	70
50	N-doped porous reduced graphene oxide as an efficient electrode material for high performance flexible solid-state supercapacitor. Applied Materials Today, 2017, 8, 141-149.	2.3	69
51	3D Polyaniline Porous Layer Anchored Pillared Graphene Sheets: Enhanced Interface Joined with High Conductivity for Better Charge Storage Applications. ACS Applied Materials & Interfaces, 2015, 7, 7661-7669.	4.0	68
52	High-Level Supercapacitive Performance of Chemically Reduced Graphene Oxide. CheM, 2017, 3, 846-860.	5.8	68
53	Carbon Nanohorn-Derived Graphene Nanotubes as a Platinum-Free Fuel Cell Cathode. ACS Applied Materials & Interfaces, 2015, 7, 24256-24264.	4.0	67
54	Artificially Designed Membranes Using Phosphonated Multiwall Carbon Nanotubeâ^'Polybenzimidazole Composites for Polymer Electrolyte Fuel Cells. Journal of Physical Chemistry Letters, 2010, 1, 2109-2113.	2.1	64

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55	NiZn double hydroxide nanosheet-anchored nitrogen-doped graphene enriched with the Î³-NiOOH phase as an activity modulated water oxidation electrocatalyst. Nanoscale, 2017, 9, 12590-12600.	2.8	64
56	High-Performance Flexible Solid-State Supercapacitor with an Extended Nanoregime Interface through in Situ Polymer Electrolyte Generation. ACS Applied Materials & Interfaces, 2016, 8, 1233-1241.	4.0	59
57	Title is missing!. Catalysis Letters, 2003, 86, 273-278.	1.4	58
58	High Pt Utilization Electrodes for Polymer Electrolyte Membrane Fuel Cells by Dispersing Pt Particles Formed by a Preprecipitation Method on Carbon â€œPolishedâ€•with Polypyrrole. Journal of Physical Chemistry C, 2010, 114, 14654-14661.	1.5	58
59	Nanocrystalline Feâ€“Fe₂O₃ particle-deposited N-doped graphene as an activity-modulated Pt-free electrocatalyst for oxygen reduction reaction. Nanoscale, 2015, 7, 20117-20125.	2.8	58
60	Reduced Graphene Oxide Modified Electrodes for Sensitive Sensing of Gliadin in Food Samples. ACS Sensors, 2016, 1, 1462-1470.	4.0	57
61	Weak Intermolecular Interactions in Covalent Organic Framework-Carbon Nanofiber Based Crystalline yet Flexible Devices. ACS Applied Materials & Interfaces, 2019, 11, 30828-30837.	4.0	54
62	Design of a High Performance Thin All-Solid-State Supercapacitor Mimicking the Active Interface of Its Liquid-State Counterpart. ACS Applied Materials & Interfaces, 2013, 5, 13397-13404.	4.0	53
63	Copper oxide supported on three-dimensional ammonia-doped porous reduced graphene oxide prepared through electrophoretic deposition for non-enzymatic glucose sensing. Electrochimica Acta, 2017, 224, 346-354.	2.6	53
64	High-Performing PGM-Free AEMFC Cathodes from Carbon-Supported Cobalt Ferrite Nanoparticles. Catalysts, 2019, 9, 264.	1.6	53
65	Strategic Preparation of Efficient and Durable NiCo Alloy Supported Nâ€Đoped Porous Graphene as an Oxygen Evolution Electrocatalyst: A Theoretical and Experimental Investigation. Advanced Materials Interfaces, 2016, 3, 1600532.	1.9	50
66	Repeated photoporation with graphene quantum dots enables homogeneous labeling of live cells with extrinsic markers for fluorescence microscopy. Light: Science and Applications, 2018, 7, 47.	7.7	50
67	Influence of acidâ€“base properties of mixed oxides derived from hydrotalcite-like precursors in the transfer hydrogenation of propiophenone. Journal of Molecular Catalysis A, 2000, 157, 193-198.	4.8	48
68	Surface-modified single wall carbon nanohorn as an effective electrocatalyst for platinum-free fuel cell cathodes. Journal of Materials Chemistry A, 2015, 3, 4361-4367.	5.2	47
69	Switching Closed-Shell to Open-Shell Phenalenyl: Toward Designing Electroactive Materials. Journal of the American Chemical Society, 2015, 137, 5955-5960.	6.6	47
70	Naphthalene Diimide Copolymers by Direct Arylation Polycondensation as Highly Stable Supercapacitor Electrode Materials. Macromolecules, 2018, 51, 954-965.	2.2	47
71	Nitrogen and sulphur co-doped crumbled graphene for the oxygen reduction reaction with improved activity and stability in acidic medium. Journal of Materials Chemistry A, 2016, 4, 6014-6020.	5.2	46
72	Design of an â€œall solid-stateâ€•supercapacitor based on phosphoric acid doped polybenzimidazole (PBI) electrolyte. Journal of Applied Electrochemistry, 2009, 39, 1097-1103.	1.5	45

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73	Carbon Nanofiber with Selectively Decorated Pt Both on Inner and Outer Walls as an Efficient Electrocatalyst for Fuel Cell Applications. Journal of Physical Chemistry C, 2009, 113, 17572-17578.	1.5	45
74	Facile construction of non-precious iron nitride-doped carbon nanofibers as cathode electrocatalysts for proton exchange membrane fuel cells. Chemical Communications, 2011, 47, 2910.	2.2	45
75	Synthesis of an efficient heteroatom-doped carbon electro-catalyst for oxygen reduction reaction by pyrolysis of protein-rich pulse flour cooked with SiO2 nanoparticles. Physical Chemistry Chemical Physics, 2014, 16, 4251.	1.3	45
76	Realizing High Capacitance and Rate Capability in Polyaniline by Enhancing the Electrochemical Surface Area through Induction of Superhydrophilicity. ACS Applied Materials & Interfaces, 2018, 10, 676-686.	4.0	45
77	A comparison on the catalytic activity of Zn1â^'xCoxFe2O4 (x = 0, 0.2, 0.5, 0.8 and 1.0)-type ferrospinels prepared via. a low temperature route for the alkylation of aniline and phenol using methanol as the alkylating agent. Applied Catalysis A: General, 2002, 230, 245-251.	2.2	42
78	Ptâ€“MoOx-carbon nanotube redox couple based electrocatalyst as a potential partner with polybenzimidazole membrane for high temperature Polymer Electrolyte Membrane Fuel Cell applications. Electrochimica Acta, 2010, 55, 2878-2887.	2.6	42
79	Cobalt Ferrite Bearing Nitrogen-Doped Reduced Graphene Oxide Layers Spatially Separated with Microporous Carbon as Efficient Oxygen Reduction Electrocatalyst. ACS Applied Materials & Interfaces, 2016, 8, 20730-20740.	4.0	41
80	Pt- and TCO-Free Flexible Cathode for DSSC from Highly Conducting and Flexible PEDOT Paper Prepared via in Situ Interfacial Polymerization. ACS Applied Materials & Interfaces, 2016, 8, 553-562.	4.0	40
81	Conjugated porous polymers as precursors for electrocatalysts and storage electrode materials. Chemical Communications, 2016, 52, 316-318.	2.2	40
82	Graphene-modified electrodes for sensing doxorubicin hydrochloride in human plasma. Analytical and Bioanalytical Chemistry, 2019, 411, 1509-1516.	1.9	39
83	Enhanced proton conduction by post-synthetic covalent modification in a porous covalent framework. Journal of Materials Chemistry A, 2017, 5, 13659-13664.	5.2	38
84	Iron Catalyzed Hydroformylation of Alkenes under Mild Conditions: Evidence of an Fe(II) Catalyzed Process. Journal of the American Chemical Society, 2018, 140, 4430-4439.	6.6	38
85	In-situ generated Mn3O4-reduced graphene oxide nanocomposite for oxygen reduction reaction and isolated reduced graphene oxide for supercapacitor applications. Carbon, 2019, 154, 285-291.	5.4	38
86	Nafion Ionomer-Based Single Component Electrolytes for Aqueous Zn/MnO₂ Batteries with Long Cycle Life. ACS Sustainable Chemistry and Engineering, 2020, 8, 5040-5049.	3.2	37
87	Stability Improvement of Rh/Î³-Al2O3Catalyst Layer by Ceria Doping for Steam Reforming in an Integrated Catalytic Membrane Reactor System. Catalysis Letters, 2004, 92, 181-187.	1.4	36
88	Layer-separated MoS₂bearing reduced graphene oxide formed by an in situ intercalation-cum-anchoring route mediated by Co(OH)₂as a Pt-free electrocatalyst for oxygen reduction. Nanoscale, 2015, 7, 16729-16736.	2.8	36
89	Graphene with Fe and S Coordinated Active Centers: An Active Competitor for the Feâ€“Nâ€“C Active Center for Oxygen Reduction Reaction in Acidic and Basic pH Conditions. ACS Applied Energy Materials, 2018, 1, 368-376.	2.5	36
90	Vapor-phase methylation of pyridine with methanol to 3-picoline over Zn1â^'xCoxFe2O4 (x=0, 0.2, 0.5, 0.8) Tj ETQq0 0 0 rgBT /Overlock 205, 11-18.	2.2	35

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91	Activated nitrogen doped graphene shell towards electrochemical oxygen reduction reaction by its encapsulation on Au nanoparticle (Au@N-Gr) in water-in-oil â€œnanoreactorsâ€• Journal of Materials Chemistry A, 2014, 2, 1383-1390.	5.2	35
92	A Distinctive PdCl₂-Mediated Transformation of Fe-Based Metallogels into Metalâ€“Organic Frameworks. Crystal Growth and Design, 2014, 14, 3434-3437.	1.4	35
93	CoSe₂ Supported on Nitrogenâ€Doped Carbon Nanohorns as a Methanolâ€Tolerant Cathode for Airâ€Breathing Microlaminar Flow Fuel Cells. ChemElectroChem, 2015, 2, 1339-1345.	1.7	35
94	Electrochemically grown nanoporous MnO2 nanowalls on a porous carbon substrate with enhanced capacitance through faster ionic and electrical mobility. Chemical Communications, 2014, 50, 7188.	2.2	34
95	A 3-D nanoribbon-like Pt-free oxygen reduction reaction electrocatalyst derived from waste leather for anion exchange membrane fuel cells and zinc-air batteries. Nanoscale, 2019, 11, 7893-7902.	2.8	34
96	Tuning the Performance of Low-Pt Polymer Electrolyte Membrane Fuel Cell Electrodes Derived from Fe₂O₃@Pt/C Coreâ€“Shell Catalyst Prepared by an in Situ Anchoring Strategy. Journal of Physical Chemistry C, 2012, 116, 7318-7326.	1.5	33
97	Trigol based reduction of graphite oxide to graphene with enhanced charge storage activity. Journal of Materials Chemistry, 2012, 22, 11140.	6.7	33
98	Hierarchically Nanoperforated Graphene as a High Performance Electrode Material for Ultracapacitors. Small, 2013, 9, 2801-2809.	5.2	33
99	Nitrogen-doped graphene interpenetrated 3D Ni-nanocages: efficient and stable water-to-dioxygen electrocatalysts. Nanoscale, 2014, 6, 13179-13187.	2.8	33
100	Carbon Derived from Soft Pyrolysis of a Covalent Organic Framework as a Support for Small-Sized RuO₂ Showing Exceptionally Low Overpotential for Oxygen Evolution Reaction. ACS Omega, 2019, 4, 13465-13473.	1.6	33
101	Electrochemical preparation of nitrogen-doped graphene quantum dots and their size-dependent electrocatalytic activity for oxygen reduction. Bulletin of Materials Science, 2015, 38, 435-442.	0.8	32
102	High hydroxide conductivity in a chemically stable crystalline metalâ€“organic framework containing a water-hydroxide supramolecular chain. Chemical Communications, 2016, 52, 8459-8462.	2.2	32
103	Enhanced electrocatalytic performance of functionalized carbon nanotube electrodes for oxygen reduction in proton exchange membrane fuel cells. Physical Chemistry Chemical Physics, 2011, 13, 10312.	1.3	31
104	Dioxolanone-Anchored Poly(allyl ether)-Based Cross-Linked Dual-Salt Polymer Electrolytes for High-Voltage Lithium Metal Batteries. ACS Applied Materials & Interfaces, 2020, 12, 567-579.	4.0	31
105	A rationally designed self-standing V₂O₅ electrode for high voltage non-aqueous all-solid-state symmetric (2.0 V) and asymmetric (2.8 V) supercapacitors. Nanoscale, 2018, 10, 8741-8751.	2.8	30
106	Rylene Diimide-Based Alternate and Random Copolymers for Flexible Supercapacitor Electrode Materials with Exceptional Stability and High Power Density. Journal of Physical Chemistry C, 2019, 123, 2084-2093.	1.5	30
107	Nitrogenâ€Doped Graphene with a Threeâ€Dimensional Architecture Assisted by Carbon Nitride Tetrapods as an Efficient Metalâ€Free Electrocatalyst for Hydrogen Evolution. ChemElectroChem, 2017, 4, 2643-2652.	1.7	29
108	A comparative study on aniline alkylation activity using methanol and dimethyl carbonate as the alkylating agents over Znâ€“Coâ€“Fe ternary spinel systems. Applied Catalysis A: General, 2000, 201, L1-L8.	2.2	27

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109	Metalloporphyrin Two-Dimensional Polymers via Metal-Catalyst-Free Câ€“C Bond Formation for Efficient Catalytic Hydrogen Evolution. ACS Applied Energy Materials, 2018, 1, 6442-6450.	2.5	27
110	Selective N-monomethylation of aniline over Zn1âˆ’xNixFe2O4 (x=0, 0.2, 0.5, 0.8 and 1) type systems. Applied Catalysis A: General, 1999, 182, 327-336.	2.2	25
111	Selective N-methylation of aniline with dimethyl carbonate over Zn1âˆ’xCoxFe2O4 (x=0, 0.2, 0.5, 0.8 and) Tj ETQq1 1 0.784314 rgBT /O	4.8	25
112	Ex-situ dispersion of coreâ€“shell nanoparticles of Cuâ€“Pt on an in situ modified carbon surface and their enhanced electrocatalytic activities. Chemical Communications, 2011, 47, 3951.	2.2	25
113	Disordered Brownmillerite Ba₂InCeO_{5+Î´} with Enhanced Oxygen Reduction Activity. Chemistry of Materials, 2012, 24, 2823-2828.	3.2	25
114	1-Dimensional confinement of porous polyethylenedioxythiophene using carbon nanofibers as a solid template: an efficient charge storage material with improved capacitance retention and cycle stability. RSC Advances, 2013, 3, 11877.	1.7	25
115	Carbon nanofiberâ€“RuO2â€“poly(benzimidazole) ternary hybrids for improved supercapacitor performance. RSC Advances, 2013, 3, 2428.	1.7	25
116	Nitrogen-doped graphene anchored with mixed growth patterns of CuPt alloy nanoparticles as a highly efficient and durable electrocatalyst for the oxygen reduction reaction in an alkaline medium. Nanoscale, 2017, 9, 9009-9017.	2.8	25
117	Layer-separated distribution of nitrogen doped graphene by wrapping on carbon nitride tetrapods for enhanced oxygen reduction reactions in acidic medium. Chemical Communications, 2014, 50, 13769-13772.	2.2	24
118	An In Situ Crossâ€Linked Nonaqueous Polymer Electrolyte for Zincâ€Metal Polymer Batteries and Hybrid Supercapacitors. Small, 2020, 16, e2002528.	5.2	24
119	Selective isolation and eradication of E. coli associated with urinary tract infections using anti-fimbrial modified magnetic reduced graphene oxide nanoheaters. Journal of Materials Chemistry B, 2017, 5, 8133-8142.	2.9	23
120	Single Cell Fabrication Towards the Realistic Evaluation of a CNTâ€Strung ZIFâ€Derived Electrocatalyst as a Cathode Material in Alkaline Fuel Cells and Metalâˆ’Air Batteries. ChemElectroChem, 2017, 4, 2928-2933.	1.7	23
121	[MoS₄]^{2â€“}-Intercalated NiCo-Layered Double Hydroxide Nanospikes: An Efficiently Synergized Material for Urine To Direct H₂ Generation. ACS Applied Materials & Interfaces, 2019, 11, 25917-25927.	4.0	23
122	Tuning the Functionality of a Carbon Nanofiberâ€“Ptâ€“RuO₂ System from Charge Storage to Electrocatalysis. Inorganic Chemistry, 2012, 51, 9766-9774.	1.9	22
123	Activity Modulated Low Platium Content Oxygen Reduction Electrocatalysts Prepared by Inducing Nano-Order Dislocations on Carbon Nanofiber through N₂-Doping. Journal of Physical Chemistry C, 2012, 116, 14754-14763.	1.5	22
124	1000-fold enhancement in proton conductivity of a MOF using post-synthetically anchored proton transporters. Scientific Reports, 2016, 6, 32489.	1.6	22
125	Preparation and investigations of ABPBI membrane for HT-PEMFC by immersion precipitation method. Journal of Membrane Science, 2018, 564, 211-217.	4.1	22
126	Hierarchical Nanoflower Arrays of Co₉S₈â€Ni₃S₂ on Nickel Foam: Aâ€‰Highly Efficient Binderâ€Free Electrocatalyst for Overall Water Splitting. Chemistry - A European Journal, 2020, 26, 7900-7911.	1.7	22

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127	Title is missing!. Catalysis Letters, 2000, 65, 99-105.	1.4	21
128	Effect of B Site Coordination Environment in the ORR Activity in Disordered Brownmillerites Ba₂In_{2â€“x}Ce_xO_{5+Î´}. ACS Applied Materials & Interfaces, 2015, 7, 3041-3049.	4.0	21
129	Scalable Synthesis of Manganese-Doped Hydrated Vanadium Oxide as a Cathode Material for Aqueous Zinc-Metal Battery. ACS Applied Materials & Interfaces, 2020, 12, 48542-48552.	4.0	21
130	A NiFe layered double hydroxide-decorated N-doped entangled-graphene framework: a robust water oxidation electrocatalyst. Nanoscale Advances, 2020, 2, 1709-1717.	2.2	21
131	Facile synthesis of CNT interconnected PVP-ZIF-8 derived hierarchically porous Zn/N co-doped carbon frameworks for oxygen reduction. Nanoscale, 2021, 13, 6248-6258.	2.8	21
132	Coâ€“Ni Layered Double Hydroxide for the Electrocatalytic Oxidation of Organic Molecules: An Approach to Lowering the Overall Cell Voltage for the Water Splitting Process. ACS Applied Materials & Interfaces, 2022, 14, 16222-16232.	4.0	21
133	In vitroandin silicoantifungal efficacy of nitrogen-doped carbon nanohorn (NCNH) againstRhizoctonia solani. Journal of Biomolecular Structure and Dynamics, 2016, 34, 152-162.	2.0	20
134	WO₃ Nanorods Bearing Interconnected Pt Nanoparticle Units as an Activity-Modulated and Corrosion-Resistant Carbon-Free System for Polymer Electrolyte Membrane Fuel Cells. ACS Applied Energy Materials, 2020, 3, 1908-1921.	2.5	20
135	NiO-Al2O3 Prepared From A Ni-Al Hydrotalcite Precursor As An Efficient Catalyst For Transfer Hydrogenation Reactions. Synthetic Communications, 2000, 30, 1573-1579.	1.1	19
136	Valorization of coffee bean waste: a coffee bean waste derived multifunctional catalyst for photocatalytic hydrogen production and electrocatalytic oxygen reduction reactions. RSC Advances, 2016, 6, 82103-82111.	1.7	19
137	Melamine formaldehydeâ€“metal organic gel interpenetrating polymer network derived intrinsic Feâ€“N-doped porous graphitic carbon electrocatalysts for oxygen reduction reaction. New Journal of Chemistry, 2018, 42, 18690-18701.	1.4	19
138	Enhanced catalytic activity of polyethylenedioxythiophene towards tri-iodide reduction in DSSCs via 1-dimensional alignment using hollow carbon nanofibers. Nanoscale, 2014, 6, 10332-10339.	2.8	18
139	Can enantiomer ligands produce structurally distinct homochiral MOFs?. CrystEngComm, 2015, 17, 8202-8206.	1.3	18
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