Sreekumar Kurungot

List of Publications by Year
in descending order

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219	11,266	25034	38395
papers	citations	57 h-index	95 g-index

224	224	224	14122
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The role and the necessary features of electrolytes for microsupercapacitors. , 2022, , 47-116.		3
2	Tuning of Oxygen Reduction Pathways through Structural Variation in Transition Metalâ€Doped Ba 2 In 2 O 5. ChemElectroChem, 2022, 9, .	3.4	2
3	A pseudo-boehmite AlOOH supported NGr composite-based air electrode for mechanically rechargeable Zn-air battery applications. Journal of Materials Chemistry A, 2022, 10, 10014-10025.	10.3	11
4	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.	8.0	21
5	Enhanced proton conductivity in amino acid based self-assembled non-porous hydrogen-bonded organic frameworks. Chemical Communications, 2022, , .	4.1	2
6	Synthesis of a Highly Electron-Deficient, Water-Stable, Large Ionic Box: Multielectron Accumulation and Proton Conductivity. Organic Letters, 2022, 24, 3038-3042.	4.6	5
7	Singleâ€Step Synthesis of Exfoliated Ti₃C₂T_x MXene through NaBF₄/HCl Etching as Electrode Material for Asymmetric Supercapacitor. ChemistrySelect, 2022, 7, .	1.5	6
8	Electrodeposited Layered Sodium Vanadyl Phosphate (Na_xVOPO₄Â·nH₂O) as Cathode Material for Aqueous Rechargeable Zinc Metal Batteries. Energy & Fuels, 2022, 36, 6520-6531.	5.1	3
9	Airâ€“Cathode Interface-Engineered Electrocatalyst for Solid-State Rechargeable Zincâ€“Air Batteries. ACS Applied Energy Materials, 2022, 5, 8756-8768.	5.1	3
10	Synergistic effect of B site co-doping with Co and Ce in bifunctional oxygen electrocatalysis by oxygen deficient brownmillerite Ba2In2O5. Catalysis Today, 2021, 375, 494-500.	4.4	8
11	Interconnected polyaniline nanostructures: Enhanced interface for better supercapacitance retention. Polymer, 2021, 212, 123169.	3.8	12
12	In Situ Preparation of Ionomer as a Tool for Tripleâ€Phase Boundary Enhancement in 3D Graphene Supported Pt Catalyst. Advanced Sustainable Systems, 2021, 5, .	5.3	6
13	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.	8.1	105
14	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.	5.6	21
15	Naphthalene dianhydride organic anode for a â€˜rocking-chairâ€™ zincâ€“proton hybrid ionÂbattery. Dalton Transactions, 2021, 50, 4237-4243.	3.3	12
16	In situpolymerization process: an essential design tool for lithium polymer batteries. Energy and Environmental Science, 2021, 14, 2708-2788.	30.8	140
17	PdP/WO₃ multi-functional catalyst with high activity and stability for direct liquid fuel cells (DLFCs). Sustainable Energy and Fuels, 2021, 5, 4758-4770.	4.9	5
18	A high-voltage non-aqueous hybrid supercapacitor based on the N2200 polymer supported over multiwalled carbon nanotubes. Nanoscale, 2021, 13, 12314-12326.	5.6	10

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19	Zincâ€“Air Batteries Catalyzed Using Co₃O₄ Nanorod-Supported N-Doped Entangled Graphene for Oxygen Reduction Reaction. ACS Applied Energy Materials, 2021, 4, 4570-4580.	5.1	14
20	Enhanced electrocatalytic activity of PtRu/nitrogen and sulphur co-doped crumbled graphene in acid and alkaline media. Journal of Colloid and Interface Science, 2021, 590, 154-163.	9.4	13
21	Seed-Mediated Growth of Pt on High-Index Faceted Au Nanocrystals: The Ag Lining and Implications for Electrocatalysis. ACS Applied Nano Materials, 2021, 4, 9155-9166.	5.0	3
22	Efficient Electrochemical Oxygen Reduction to Hydrogen Peroxide by Transition Metal-Doped Silicate Sr0.7Na0.3SiO3â^Î´. ACS Applied Materials & Interfaces, 2021, 13, 382-390.	8.0	5
23	Toward pH Independent Oxygen Reduction Reaction by Polydopamine Derived 3D Interconnected, Iron Carbide Embedded Graphitic Carbon. ACS Applied Materials & Interfaces, 2021, 13, 8147-8158.	8.0	15
24	A sulfonated polyvinyl alcohol ionomer membrane favoring smooth electrodeposition of zinc for aqueous rechargeable zinc metal batteries. Sustainable Energy and Fuels, 2021, 5, 5557-5564.	4.9	3
25	Synergistic electronic coupling/cross-talk between the isolated metal halide units of zero dimensional heterometallic (Sb, Mn) halide hybrid with enhanced emission. Journal of Materials Chemistry C, 2021, 10, 360-370.	5.5	8
26	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.	8.0	31
27	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.	8.0	21
28	An In Situ Crossâ€Linked Nonaqueous Polymer Electrolyte for Zincâ€Metal Polymer Batteries and Hybrid Supercapacitors. Small, 2020, 16, e2002528.	10.0	24
29	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.	3.3	22
30	Role of B site ions in bifunctional oxygen electrocatalysis: a structureâ€“property correlation study on doped Ca₂Fe₂O₅ brownmillerites. Physical Chemistry Chemical Physics, 2020, 22, 15520-15527.	2.8	3
31	A NiFe layered double hydroxide-decorated N-doped entangled-graphene framework: a robust water oxidation electrocatalyst. Nanoscale Advances, 2020, 2, 1709-1717.	4.6	21
32	Template assisted synthesis of Ni,N co-doped porous carbon from Ni incorporated ZIF-8 frameworks for electrocatalytic oxygen reduction reaction. New Journal of Chemistry, 2020, 44, 12343-12354.	2.8	15
33	Co 9 S 8 Nanoparticleâ€Supported Nitrogenâ€doped Carbon as a Robust Catalyst for Oxygen Reduction Reaction in Both Acidic and Alkaline Conditions. ChemElectroChem, 2020, 7, 3123-3134.	3.4	3
34	FeN_x/FeS_x-Anchored Carbon Sheetâ€“Carbon Nanotube Composite Electrocatalysts for Oxygen Reduction. ACS Applied Nano Materials, 2020, 3, 2234-2245.	5.0	12
35	Nafion Ionomer-Based Single Component Electrolytes for Aqueous Zn/MnO₂ Batteries with Long Cycle Life. ACS Sustainable Chemistry and Engineering, 2020, 8, 5040-5049.	6.7	37
36	Fe3+ stabilized 3D cross-linked glycine-melamine formaldehyde networks as precursor for highly efficient oxygen reduction catalyst in alkaline media. Materials Letters, 2020, 264, 127365.	2.6	4

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37	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.	5.1	20
38	Co@CoAlâ€Layered Double Hydroxide/Nitrogenâ€Doped Graphene Composite Catalyst for Alâ˜H₂Oâ€Based Batteries: Simultaneous Hydrogen Production and Electricity Generation. ChemElectroChem, 2020, 7, 2582-2591.	3.4	11
39	Porphyrinâ€Based Conducting Polymer Hydrogel for Supercapacitor Application. Energy Technology, 2020, 8, 2000061.	3.8	16
40	Zinc-Ion Conducting Nonaqueous Polymer Electrolyte for Zinc-Metal Batteries through UV-Light Induced Cross-Linking Polymerization. ECS Meeting Abstracts, 2020, MA2020-02, 825-825.	0.0	0
41	Weak Intermolecular Interactions in Covalent Organic Framework-Carbon Nanofiber Based Crystalline yet Flexible Devices. ACS Applied Materials & Interfaces, 2019, 11, 30828-30837.	8.0	54
42	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.	10.3	38
43	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.	3.5	33
44	Zinc ion interactions in a two-dimensional covalent organic framework based aqueous zinc ion battery. Chemical Science, 2019, 10, 8889-8894.	7.4	220
45	NiCo₂O₄ nanoarray on CNT sponge: a bifunctional oxygen electrode material for rechargeable Znâ€“air batteries. Nanoscale Advances, 2019, 1, 3243-3251.	4.6	16
46	[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.	8.0	23
47	Glycineâ€Induced Electrodeposition of Nanostructured Cobalt Hydroxide: A Bifunctional Catalyst for Overall Water Splitting. ChemSusChem, 2019, 12, 5300-5309.	6.8	6
48	Imidazole-Linked Crystalline Two-Dimensional Polymer with Ultrahigh Proton-Conductivity. Journal of the American Chemical Society, 2019, 141, 14950-14954.	13.7	148
49	Fe₂P₄O₁₂â€“carbon composite as a highly stable electrode material for electrochemical capacitors. New Journal of Chemistry, 2019, 43, 399-406.	2.8	16
50	Dendrite Growth Suppression by Zn²⁺â€Integrated Nafion Ionomer Membranes: Beyond Porous Separators toward Aqueous Zn/V₂O₅ Batteries with Extended Cycle Life. Energy Technology, 2019, 7, 1900442.	3.8	76
51	A copper(<scp>ii</scp>)-coordination polymer based on a sulfonicâ€“carboxylic ligand exhibits high water-facilitated proton conductivity. Dalton Transactions, 2019, 48, 11034-11044.	3.3	7
52	Cubic Palladium Nanorattles with Solid Octahedron Gold Core for Catalysis and Alkaline Membrane Fuel Cell Applications. ChemCatChem, 2019, 11, 4383-4392.	3.7	12
53	Coexisting Few-Layer Assemblies of NiO and MoO₃ Deposited on Vulcan Carbon as an Efficient and Durable Electrocatalyst for Water Oxidation. ACS Applied Energy Materials, 2019, 2, 4987-4998.	5.1	15
54	Medium Modulated Oxygen Reduction Activity of Fe/Co Active Centreâ€engrafted Electrocatalysts. ChemElectroChem, 2019, 6, 2956-2964.	3.4	4

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55	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.	5.6	34
56	High-Performing PGM-Free AEMFC Cathodes from Carbon-Supported Cobalt Ferrite Nanoparticles. Catalysts, 2019, 9, 264.	3.5	53
57	Graphene-modified electrodes for sensing doxorubicin hydrochloride in human plasma. Analytical and Bioanalytical Chemistry, 2019, 411, 1509-1516.	3.7	39
58	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.	3.1	30
59	Bifunctional Oxygen Reduction and Evolution Activity in Brownmillerites Ca₂Fe_(1â€“x)Co_xO₅. ACS Omega, 2019, 4, 31-38.	3.5	14
60	Synthesis of Ultrathin PEDOT on Carbon Nanotubes and Shear Thinning Xanthan Gumâ€H 2 SO 4 Gel Electrolyte for Supercapacitors. ChemElectroChem, 2019, 6, 1861-1869.	3.4	16
61	Studies on nano composites of SPEEK/ethylene glycol/cellulose nanocrystals as promising proton exchange membranes. Electrochimica Acta, 2019, 293, 260-272.	5.2	71
62	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.	5.6	30
63	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.	7.8	108
64	Porous reduced graphene oxide modified electrodes for the analysis of protein aggregation. Part 2: Application to the analysis of calcitonin containing pharmaceutical formulation. Electrochimica Acta, 2018, 266, 364-372.	5.2	5
65	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.	7.8	82
66	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.	5.1	36
67	Water mediated proton conductance in a hydrogen-bonded Ni(<scp>ii</scp>)-bipyridine-glycoluril chloride self-assembled framework. CrystEngComm, 2018, 20, 1094-1100.	2.6	11
68	Naphthalene Diimide Copolymers by Direct Arylation Polycondensation as Highly Stable Supercapacitor Electrode Materials. Macromolecules, 2018, 51, 954-965.	4.8	47
69	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.	11.2	75
70	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.	13.7	38
71	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.	8.0	45
72	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.	2.8	19

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73	Layered TiO₂ Nanosheetâ€Supported NiCo₂O₄ Nanoparticles as Bifunctional Electrocatalyst for Overall Water Splitting. ChemElectroChem, 2018, 5, 4000-4007.	3.4	18
74	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.	5.1	27
75	Superprotonic Conductivity in Flexible Porous Covalent Organic Framework Membranes. Angewandte Chemie, 2018, 130, 11060-11064.	2.0	70
76	Superprotonic Conductivity in Flexible Porous Covalent Organic Framework Membranes. Angewandte Chemie - International Edition, 2018, 57, 10894-10898.	13.8	207
77	Preparation and investigations of ABPBI membrane for HT-PEMFC by immersion precipitation method. Journal of Membrane Science, 2018, 564, 211-217.	8.2	22
78	Convergent Covalent Organic Framework Thin Sheets as Flexible Supercapacitor Electrodes. ACS Applied Materials & Interfaces, 2018, 10, 28139-28146.	8.0	134
79	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.	16.6	50
80	Water-in-Acid Gel Polymer Electrolyte Realized through a Phosphoric Acid-Enriched Polyelectrolyte Matrix toward Solid-State Supercapacitors. ACS Sustainable Chemistry and Engineering, 2018, 6, 12630-12640.	6.7	17
81	Morphological Ensembles of Nâ€Ðoped Porous Carbon Derived from ZIFâ€8/Feâ€Graphene Nanocomposites: Processing and Electrocatalytic Studies. ChemistrySelect, 2018, 3, 8688-8697.	1.5	8
82	Synthesis of Carbon Nanosheets and Nitrogen-Doped Carbon Nanosheets from Perylene Derivatives for Supercapacitor Application. ACS Applied Nano Materials, 2018, 1, 4576-4586.	5.0	10
83	Interlayer Hydrogen-Bonded Covalent Organic Frameworks as High-Performance Supercapacitors. Journal of the American Chemical Society, 2018, 140, 10941-10945.	13.7	339
84	Grafoilâ€“Scotch tape-derived highly conducting flexible substrate and its application as a supercapacitor electrode. Nanoscale, 2017, 9, 3593-3600.	5.6	13
85	On demand electrochemical release of drugs from porous reduced graphene oxide modified flexible electrodes. Journal of Materials Chemistry B, 2017, 5, 6557-6565.	5.8	13
86	Proton conduction in a hydrogen-bonded complex of copper(<scp>ii</scp>)-bipyridine glycoluril nitrate. Dalton Transactions, 2017, 46, 6968-6974.	3.3	15
87	Enhanced proton conduction by post-synthetic covalent modification in a porous covalent framework. Journal of Materials Chemistry A, 2017, 5, 13659-13664.	10.3	38
88	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.	10.3	83
89	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.	5.2	53
90	Chitosan Intercalated Metal Organic Gel as a Green Precursor of Fe Entrenched and Fe Distributed N-Doped Mesoporous Graphitic Carbon for Oxygen Reduction Reaction. ChemistrySelect, 2017, 2, 8762-8770.	1.5	12

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91	Porous reduced graphene oxide modified electrodes for the analysis of protein aggregation. Part 1: Lysozyme aggregation at pH 2 and 7.4. Electrochimica Acta, 2017, 254, 375-383.	5.2	15
92	High-Level Supercapacitive Performance of Chemically Reduced Graphene Oxide. CheM, 2017, 3, 846-860.	11.7	68
93	Efficient and Durable Oxygen Reduction Electrocatalyst Based on CoMn Alloy Oxide Nanoparticles Supported Over N-Doped Porous Graphene. ACS Catalysis, 2017, 7, 6700-6710.	11.2	104
94	Activity Tuning of Cobalt Ferrite Nanoparticles Anchored on Nâ€Ðoped Reduced Graphene Oxide as a Potential Oxygen Reduction Electrocatalyst by Zn Substitution in the Spinel Matrix. ChemistrySelect, 2017, 2, 7845-7853.	1.5	7
95	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.	5.8	23
96	Nitrogenâ€Ðoped Graphene with a Threeâ€Ðimensional Architecture Assisted by Carbon Nitride Tetrapods as an Efficient Metalâ€Free Electrocatalyst for Hydrogen Evolution. ChemElectroChem, 2017, 4, 2643-2652.	3.4	29
97	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.	5.6	64
98	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.	9.4	72
99	Ultrahigh Ionic Conduction in Water-Stable Close-Packed Metal-Carbonate Frameworks. Inorganic Chemistry, 2017, 56, 9710-9715.	4.0	1
100	Single Cell Fabrication Towards the Realistic Evaluation of a CNTâ€Strung ZIFâ€Derived Electrocatalyst as a Cathode Material in Alkaline Fuel Cells and Metalâ˜'Air Batteries. ChemElectroChem, 2017, 4, 2928-2933.	3.4	23
101	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.	5.6	25
102	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.	4.3	69
103	Post-synthetically modified porous covalent framework (PCF) for high proton conduction. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1156-C1156.	0.1	0
104	1D Alignment of PEDOT in a Buckypaper for Highâ€Performance Solid Supercapacitors. ChemElectroChem, 2016, 3, 1329-1336.	3.4	15
105	Multifunctional copper dimer: structure, band gap energy, catalysis, magnetism, oxygen reduction reaction and proton conductivity. RSC Advances, 2016, 6, 37515-37521.	3.6	11
106	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.	8.0	139
107	Hydrogenâ€Bonded Organic Frameworks (HOFs): A New Class of Porous Crystalline Protonâ€Conducting Materials. Angewandte Chemie - International Edition, 2016, 55, 10667-10671.	13.8	334
108	Hydrogenâ€Bonded Organic Frameworks (HOFs): A New Class of Porous Crystalline Protonâ€Conducting Materials. Angewandte Chemie, 2016, 128, 10825-10829.	2.0	76

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109	Low Band Gap Benzimidazole COF Supported Ni₃N as Highly Active OER Catalyst. Advanced Energy Materials, 2016, 6, 1601189.	19.5	182
110	Strategic Preparation of Efficient and Durable NiCo Alloy Supported Nâ€Doped Porous Graphene as an Oxygen Evolution Electrocatalyst: A Theoretical and Experimental Investigation. Advanced Materials Interfaces, 2016, 3, 1600532.	3.7	50
111	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.	3.6	19
112	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.	8.0	41
113	Reduced Graphene Oxide Modified Electrodes for Sensitive Sensing of Gliadin in Food Samples. ACS Sensors, 2016, 1, 1462-1470.	7.8	57
114	1000-fold enhancement in proton conductivity of a MOF using post-synthetically anchored proton transporters. Scientific Reports, 2016, 6, 32489.	3.3	22
115	High-index faceted Au nanocrystals with highly controllable optical properties and electro-catalytic activity. Nanoscale, 2016, 8, 19224-19228.	5.6	13
116	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.	14.9	305
117	Lowâ€Overpotential Electrocatalytic Water Splitting with Nobleâ€Metalâ€Free Nanoparticles Supported in a sp³ Nâ€Rich Flexible COF. Advanced Energy Materials, 2016, 6, 1600110.	19.5	121
118	High hydroxide conductivity in a chemically stable crystalline metalâ€“organic framework containing a water-hydroxide supramolecular chain. Chemical Communications, 2016, 52, 8459-8462.	4.1	32
119	Understanding the electron transfer process in ZnOâ€“naphthol azobenzoic acid composites from photophysical characterisation. Physical Chemistry Chemical Physics, 2016, 18, 22179-22187.	2.8	3
120	Cobalt-Modified Covalent Organic Framework as a Robust Water Oxidation Electrocatalyst. Chemistry of Materials, 2016, 28, 4375-4379.	6.7	368
121	Unravelling the Mechanism of Electrochemical Degradation of PANI in Supercapacitors: Achieving a Feasible Solution. ChemElectroChem, 2016, 3, 933-942.	3.4	10
122	A mechanochemically synthesized covalent organic framework as a proton-conducting solid electrolyte. Journal of Materials Chemistry A, 2016, 4, 2682-2690.	10.3	309
123	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.	10.3	46
124	Coordination polymers of Fe(<scp>iii</scp>) and Al(<scp>iii</scp>) ions with TCA ligand: distinctive fluorescence, CO₂uptake, redox-activity and oxygen evolution reaction. Dalton Transactions, 2016, 45, 6901-6908.	3.3	17
125	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.	8.0	40
126	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.	8.0	59

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127	Pb²⁺â€"N Bonding Chemistry: Recycling of Polyanilineâ€"Pb Nanocrystals Waste for Generating High-Performance Supercapacitor Electrodes. Journal of Physical Chemistry C, 2016, 120, 911-918.	3.1	16
128	Conjugated porous polymers as precursors for electrocatalysts and storage electrode materials. Chemical Communications, 2016, 52, 316-318.	4.1	40
129	In vitroandin silicoantifungal efficacy of nitrogen-doped carbon nanohorn (NCNH) againstRhizoctonia solani. Journal of Biomolecular Structure and Dynamics, 2016, 34, 152-162.	3.5	20
130	CoSe₂ Supported on Nitrogenâ€Doped Carbon Nanohorns as a Methanolâ€Tolerant Cathode for Airâ€Breathing Microlaminar Flow Fuel Cells. ChemElectroChem, 2015, 2, 1339-1345.	3.4	35
131	Lithiumâ€Assisted Proton Conduction at 150 Â°C in a Microporous Triazineâ€Phenol Polymer. Advanced Materials Interfaces, 2015, 2, 1500301.	3.7	11
132	Coherent Fusion of Water Array and Protonated Amine in a Metalâ€"Sulfate-Based Coordination Polymer for Proton Conduction. Inorganic Chemistry, 2015, 54, 5366-5371.	4.0	16
133	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.	1.7	32
134	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.	8.0	21
135	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.	30.8	350
136	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.	11.2	103
137	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.	10.3	47
138	Switching Closed-Shell to Open-Shell Phenalenyl: Toward Designing Electroactive Materials. Journal of the American Chemical Society, 2015, 137, 5955-5960.	13.7	47
139	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.	8.0	68
140	Nanocrystalline Feâ€"Fe₂O₃ particle-deposited N-doped graphene as an activity-modulated Pt-free electrocatalyst for oxygen reduction reaction. Nanoscale, 2015, 7, 20117-20125.	5.6	58
141	Can enantiomer ligands produce structurally distinct homochiral MOFs?. CrystEngComm, 2015, 17, 8202-8206.	2.6	18
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