Shan Ji

List of Publications by Year
in descending order

187	6,353	50170 46	118652 62
papers	citations	h-index	g-index

187	187	187	6585
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Catalytically Active CoSe₂ Supported on Nitrogenâ€Doped Three Dimensional Porous Carbon as a Cathode for Highly Stable Lithiumâ€Sulfur Battery. ChemPhysChem, 2022, 23, .	1.0	5
2	Fabrication of highly-conductive porous capacitor electrodes by the insertion of Cu-nanoparticles into N-doped flocculated carbon catalysts. Journal of Colloid and Interface Science, 2022, 610, 106-115.	5.0	1
3	Engineering the densities of grain boundaries within particle-assembled NiCo2O4 rods by sulfurization for effective water electrolysis. Journal of Electroanalytical Chemistry, 2022, 908, 116098.	1.9	4
4	Enhanced electrochemical performance of a Li-O2 battery using Co and N co-doped biochar cathode prepared in molten salt medium. Electrochimica Acta, 2022, 410, 140002.	2.6	10
5	Ni2P nanoparticles-inserted NiFeP nanosheets with rich interfaces as efficient catalysts for the oxygen evolution reaction. Journal of Alloys and Compounds, 2022, 903, 163855.	2.8	20
6	Copper mesh supported nickel nanowire array as a catalyst for the hydrogen evolution reaction in high current density water electrolysis. Dalton Transactions, 2022, 51, 5309-5314.	1.6	6
7	Synergistic Effect between Monodisperse Fe₃O₄ Nanoparticles and Nitrogen-Doped Carbon Nanosheets to Promote Polysulfide Conversion in Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2022, 14, 16310-16319.	4.0	13
8	Effect of surface reconstruction induced by different electrochemical methods on hydrogen evolution performance of Ni2P array catalysts. International Journal of Hydrogen Energy, 2022, 47, 17097-17106.	3.8	6
9	In-site hydrogen bubble template method to prepare Ni coated metal meshes as effective bi-functional electrodes for water splitting. Dalton Transactions, 2022, 51, 9681-9688.	1.6	8
10	Three-dimensional N-doped super-hydrophilic carbon electrodes with porosity tailored by Cu₂O template-assisted electrochemical oxidation to improve the performance of electrical double-layer capacitors. Journal of Materials Chemistry A, 2021, 9, 2928-2936.	5.2	21
11	Co₃O₄â€“CuCoO₂ hybrid nanoplates as a low-cost and highly active catalyst for producing hydrogen from ammonia borane. New Journal of Chemistry, 2021, 45, 2688-2695.	1.4	15
12	Layer-structured FeCo bihydroxide as an ultra-stable bifunctional electrocatalyst for water splitting at high current densities. Sustainable Energy and Fuels, 2021, 5, 2747-2752.	2.5	13
13	Quick in situ generation of a quinone-enriched surface of N-doped carbon cloth electrodes for electric double-layer capacitors. Dalton Transactions, 2021, 50, 3651-3659.	1.6	14
14	Highly electrocatalytic three-dimensional chain-like nickel-based electrocatalysts with hierarchical structures for hydrogen evolution reactions. Dalton Transactions, 2021, 50, 14724-14729.	1.6	2
15	MnOOH nanoparticles integrated nitrogen doped porous nanosheet-like carbon network as a non-noble catalyst for electro-oxidation of sodium borohydride. International Journal of Hydrogen Energy, 2021, 46, 9380-9393.	3.8	3
16	Î±â€Co(OH)₂ Thinâ€Layered Cactusâ€like Nanostructures Wrapped Ni₃S₂ Nanowires: A Robust and Potential Catalyst for Electroâ€oxidation of Hydrazine. ChemElectroChem, 2021, 8, 937-947.	1.7	7
17	Simplifying the creation of iron compound inserted, nitrogen-doped carbon nanotubes and its catalytic application. Journal of Alloys and Compounds, 2021, 857, 157543.	2.8	6
18	How to get to best oxygen evolution behavior from the electrolysis practice of the seawater. International Journal of Hydrogen Energy, 2021, 46, 12936-12943.	3.8	35

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19	Implanting Cobalt Atom Clusters within Nitrogenâ€Doped Carbon Network as Highly Stable Cathode for Lithiumâ€“Sulfur Batteries. Small Methods, 2021, 5, e2100066.	4.6	33
20	Integrating Ni nanoparticles into MoN nanosheets form Schottky heterojunctions to boost its electrochemical performance for water electrolysis. Journal of Alloys and Compounds, 2021, 867, 158983.	2.8	35
21	Mesoporous N-doped carbon with atomically dispersed Zn-Nx active sites as high-performance cathode in lithium-oxygen batteries. Ionics, 2021, 27, 4695-4704.	1.2	2
22	Fe3C-inserted â€œtube plugging into porous networkâ€•nanohybrids as advanced sulfur hosts for lithium-sulfur batteries. Journal of Alloys and Compounds, 2021, 877, 160286.	2.8	22
23	Ultrastable NiFeOOH/NiFe/Ni electrocatalysts prepared by in-situ electro-oxidation for oxygen evolution reaction at large current density. Applied Surface Science, 2021, 564, 150440.	3.1	30
24	Co, Fe-ions intercalated Ni(OH)2 network-like nanosheet arrays as highly efficient non-noble catalyst for electro-oxidation of urea. International Journal of Hydrogen Energy, 2021, 46, 34318-34332.	3.8	15
25	1D NiHPO4 nanotubes prepared using dissolution equilibrium as bifunctional electrocatalyst for high-efficiency water splitting. Journal of Power Sources, 2021, 513, 230543.	4.0	13
26	Co Nanoparticle-Encapsulated Nitrogen-Doped Carbon Nanotubes as an Efficient and Robust Catalyst for Electro-Oxidation of Hydrazine. Nanomaterials, 2021, 11, 2857.	1.9	3
27	Design and synthesis of tremella-like Niâ€“Coâ€“S flakes on co-coated cotton textile as high-performance electrode for flexible supercapacitor. Journal of Alloys and Compounds, 2020, 814, 151789.	2.8	43
28	Multidimensional regulation of Ni3S2@Co(OH)2 catalyst with high performance for wind energy electrolytic water. Journal of Power Sources, 2020, 446, 227348.	4.0	50
29	Nitrogen-doped mesoporous carbon nanosheet network entrapped nickel nanoparticles as an efficient catalyst for electro-oxidation of glycerol. International Journal of Hydrogen Energy, 2020, 45, 28821-28835.	3.8	14
30	A highly-stable flexible electrode based on Co(OH)2@NiSe2 electroplated on metals co-coated textiles. Materials Letters, 2020, 279, 128492.	1.3	4
31	Synthesis of Ni₃S₂ catalysts using various sulphur sources and their HER and OER performances. CrystEngComm, 2020, 22, 6517-6528.	1.3	21
32	Uniform Bamboo-like N-Doped Carbon Nanotubes Derived from a g-C₃N₄ Substrate Grown via Anchoring Effect to Boost the Performance of Metalâ€“Air Batteries. ACS Applied Energy Materials, 2020, 3, 11213-11222.	2.5	20
33	Self-standing heterostructured NiC_x-NiFe-NC/biochar as a highly efficient cathode for lithiumâ€“oxygen batteries. Beilstein Journal of Nanotechnology, 2020, 11, 1809-1821.	1.5	8
34	Engineered porous Ni2P-nanoparticle/Ni2P-nanosheet arrays via the Kirkendall effect and Ostwald ripening towards efficient overall water splitting. Nano Research, 2020, 13, 2098-2105.	5.8	92
35	Hollow-structured NiCoP nanorods as high-performance electrodes for asymmetric supercapacitors. Materials and Design, 2020, 193, 108807.	3.3	40
36	Cobalt nanoparticles intercalated nitrogen-doped mesoporous carbon nanosheet network as potential catalyst for electro-oxidation of hydrazine. International Journal of Hydrogen Energy, 2020, 45, 19344-19356.	3.8	13

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37	A highly efficient water electrolyser cell assembled by asymmetric array electrodes based on Co, Fe-doped Ni(OH)2 nanosheets. Applied Surface Science, 2020, 528, 146972.	3.1	38
38	Hydrophilic Ni(OH)2@CoB nano-chains with shell-core structure as an efficient catalyst for oxygen evolution reaction. Journal of Alloys and Compounds, 2020, 844, 156129.	2.8	29
39	N-Doped Carbon Networks Containing Inserted FeN_x@NC Nanospheroids and Bridged by Carbon Nanotubes as Enhanced Catalysts for the Oxygen Reduction Reaction. ACS Sustainable Chemistry and Engineering, 2020, 8, 6979-6989.	3.2	32
40	A High Faraday Efficiency NiMoO₄ Nanosheet Array Catalyst by Adjusting the Hydrophilicity for Overall Water Splitting. Chemistry - A European Journal, 2020, 26, 12067-12074.	1.7	49
41	Conductive Sulfur-Rich Copolymer Composites as Lithiumâ€“Sulfur Battery Electrodes with Fast Kinetics and a High Cycle Stability. ACS Sustainable Chemistry and Engineering, 2020, 8, 10389-10401.	3.2	27
42	Tailoring hollow structure within NiCoP nanowire arrays via nanoscale Kirkendall diffusion to enhance hydrogen evolution reaction. Nanotechnology, 2020, 31, 425404.	1.3	11
43	Moltenâ€Salt Media Synthesis of Nâ€Doped Carbon Tubes Containing Encapsulated Co Nanoparticles as a Bifunctional Air Cathode for Zincâ€Air Batteries. Chemistry - A European Journal, 2020, 26, 10752-10758.	1.7	25
44	CuOâ€“NiO/Co3O4 hybrid nanoplates as highly active catalyst for ammonia borane hydrolysis. International Journal of Hydrogen Energy, 2020, 45, 8168-8176.	3.8	61
45	Core-shell structured Fe3O4@MnO2 nanospheres to achieve high cycling stability as electrode for supercapacitors. Ionics, 2019, 25, 665-673.	1.2	16
46	Grain boundaries of Co(OH)2-Ni-Cu nanosheets on the cotton fabric substrate for stable and efficient electro-oxidation of hydrazine. International Journal of Hydrogen Energy, 2019, 44, 24591-24603.	3.8	16
47	Co₃O₄/CuMoO₄ Hybrid Microflowers Composed of Nanorods with Rich Particle Boundaries as a Highly Active Catalyst for Ammonia Borane Hydrolysis. ACS Sustainable Chemistry and Engineering, 2019, 7, 16474-16482.	3.2	49
48	Dual-shelled Cu2O@Cu9S5@MnO2 hollow spheres as advanced cathode material for energy storage. Journal of Alloys and Compounds, 2019, 805, 977-983.	2.8	11
49	Hierarchical coreâ€“shell structured Ni₃S₂/NiMoO₄nanowires: a high-performance and reusable electrochemical sensor for glucose detection. Analyst, The, 2019, 144, 4925-4934.	1.7	24
50	Highly Efficient and Stable Catalyst Based on Co(OH)₂@Ni Electroplated on Cu-Metallized Cotton Textile for Water Splitting. ACS Applied Materials & Interfaces, 2019, 11, 29791-29798.	4.0	49
51	Highly efficient non-enzymatic glucose sensor based on CuxS hollow nanospheres. Applied Surface Science, 2019, 492, 407-416.	3.1	38
52	Mn Nanoparticles Encapsulated within Mesoporous Helical Nâ€Doped Carbon Nanotubes as Highly Active Air Cathode for Zincâ€“Air Batteries. Advanced Sustainable Systems, 2019, 3, 1900085.	2.7	19
53	Flexible electrode with composite structure for large-scale production. Journal of Alloys and Compounds, 2019, 810, 151871.	2.8	5
54	Nickel phosphate nanowires directly grown on Ni foam as binder-free electrode for pseudocapacitors. Materials Letters, 2019, 257, 126742.	1.3	25

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55	CoNiSe2 nanorods directly grown on Ni foam as advanced cathodes for asymmetric supercapacitors. Chemical Engineering Journal, 2019, 364, 320-327.	6.6	104
56	Hierarchical core-shell structured CoNi2S4/Ni3S2@Ni(OH)2 nanosheet arrays as electrode for electrochemical energy storage. Journal of Alloys and Compounds, 2019, 785, 684-691.	2.8	30
57	Mesoporous nickel selenide N-doped carbon as a robust electrocatalyst for overall water splitting. Electrochimica Acta, 2019, 300, 93-101.	2.6	70
58	Rich-grain-boundary of Ni₃Se₂ nanowire arrays as multifunctional electrode for electrochemical energy storage and conversion applications. Journal of Materials Chemistry A, 2019, 7, 3344-3352.	5.2	97
59	Mesoporous cobalt selenide/nitrogen-doped carbon hybrid as bifunctional electrocatalyst for hydrogen evolution and oxygen reduction reactions. Journal of Power Sources, 2019, 423, 1-8.	4.0	38
60	N-doped porous transition metal-based carbon nanosheet networks as a multifunctional electrocatalyst for rechargeable zincâ€“air batteries. Chemical Communications, 2019, 55, 2924-2927.	2.2	54
61	Cobalt-nickel phosphides@carbon spheres as highly efficient and stable electrocatalyst for hydrogen evolution reaction. Catalysis Communications, 2019, 124, 1-5.	1.6	20
62	Porous-sheet-assembled Ni(OH)₂/NiS arrays with vertical in-plane edge structure for supercapacitors with high stability. Dalton Transactions, 2019, 48, 17364-17370.	1.6	18
63	Synthesis of nitrogen-doped MnO/carbon network as an advanced catalyst for direct hydrazine fuel cells. Journal of Power Sources, 2019, 413, 209-215.	4.0	41
64	Mesoporous nickel-sulfide/nickel/N-doped carbon as HER and OER bifunctional electrocatalyst for water electrolysis. International Journal of Hydrogen Energy, 2019, 44, 2832-2840.	3.8	112
65	High-performance all-solid-state asymmetric supercapacitors based on sponge-like NiS/Ni3S2 hybrid nanosheets. Materials Today Energy, 2019, 11, 211-217.	2.5	53
66	Ni(OH)₂ Nanoflakes Supported on 3D Ni₃Se₂ Nanowire Array as Highly Efficient Electrodes for Asymmetric Supercapacitor and Ni/MH Battery. Small, 2019, 15, e1802861.	5.2	84
67	N-doped mesoporous FeNx/carbon as ORR and OER bifunctional electrocatalyst for rechargeable zinc-air batteries. Electrochimica Acta, 2019, 296, 653-661.	2.6	135
68	Mesoporous CoS/Nâ€doped Carbon as HER and ORR Bifunctional Electrocatalyst for Water Electrolyzers and Zincâ€Air Batteries. ChemCatChem, 2019, 11, 1026-1032.	1.8	43
69	Toward high performance of zinc-air battery using hydrophobic carbon foam-based diffusion electrode. Journal of Industrial and Engineering Chemistry, 2019, 71, 284-292.	2.9	11
70	Cubic CoMn2O4 particles directly grown on Ni foam as binder-free electrode for asymmetric supercapacitors. Materials Letters, 2019, 237, 209-212.	1.3	25
71	N-Doped 3D Porous Ni/C Bifunctional Electrocatalysts for Alkaline Water Electrolysis. ACS Sustainable Chemistry and Engineering, 2019, 7, 3974-3981.	3.2	59
72	Nano-engineering PdNi networks by voltammetric dealloying for ethanol oxidation. Journal of Applied Electrochemistry, 2019, 49, 39-44.	1.5	7

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73	Hollow core-shell structured Cu2O@Cu1.8S spheres as novel electrode for enzyme free glucose sensing. Materials Science and Engineering C, 2019, 95, 174-182.	3.8	22
74	MnO/Nâ€Doped Mesoporous Carbon as Advanced Oxygen Reduction Reaction Electrocatalyst for Zincâ€“Air Batteries. Chemistry - A European Journal, 2019, 25, 2868-2876.	1.7	29
75	Biomass-derived 3D hierarchical N-doped porous carbon anchoring cobalt-iron phosphide nanodots as bifunctional electrocatalysts for Li O2 batteries. Journal of Power Sources, 2019, 412, 433-441.	4.0	23
76	Synthesis of porous nitrogen and sulfur co-doped carbon beehive in a high-melting-point molten salt medium for improved catalytic activity toward oxygen reduction reaction. International Journal of Hydrogen Energy, 2018, 43, 5124-5132.	3.8	50
77	Tailoring the porous structure of N-doped carbon for increased oxygen reduction reaction activity. Catalysis Communications, 2018, 107, 29-32.	1.6	11
78	Synergistic relationship between the three-dimensional nanostructure and electrochemical performance in biocarbon supercapacitor electrode materials. Sustainable Energy and Fuels, 2018, 2, 772-785.	2.5	53
79	Tuning the extent of porosity and composition of N-doped carbon materials by NaNO3 and its effect on electrochemical activity. Materials Research Bulletin, 2018, 104, 134-142.	2.7	11
80	Core-shell structured Ni3S2@Co(OH)2 nano-wires grown on Ni foam as binder-free electrode for asymmetric supercapacitors. Chemical Engineering Journal, 2018, 345, 48-57.	6.6	122
81	Achieving highly practical capacitance of MnO₂ by using chain-like CoB alloy as support. Nanoscale, 2018, 10, 7813-7820.	2.8	27
82	Mesoporous and amorphous NiCoBP alloys with high specific capacitance for supercapacitors. Ionics, 2018, 24, 529-537.	1.2	10
83	Nano-engineered intrapores in nanoparticles of PtNi networks for increased oxygen reduction reaction activity. Journal of Power Sources, 2018, 374, 48-54.	4.0	48
84	Rational Design of Hierarchically Coreâ€“Shell Structured Ni₃S₂@NiMoO₄ Nanowires for Electrochemical Energy Storage. Small, 2018, 14, e1800791.	5.2	111
85	Correlating electrochemical impedance with hierarchical structure for porous carbon-based supercapacitors using a truncated transmission line model. Electrochimica Acta, 2018, 284, 597-608.	2.6	36
86	Hydrophobic 3D Fe/N/S doped graphene network as oxygen electrocatalyst to achieve unique performance of zinc-air battery. Chemical Engineering Journal, 2018, 353, 472-480.	6.6	50
87	Integration of supercapacitors into printed circuit boards. Journal of Energy Storage, 2018, 19, 28-34.	3.9	14
88	New insights into the electrochemical behaviour of porous carbon electrodes for supercapacitors. Journal of Energy Storage, 2018, 19, 337-347.	3.9	42
89	Highly active porous Coâ€“B nanoalloy synthesized on liquid-gas interface for hydrolysis of sodium borohydride. International Journal of Hydrogen Energy, 2018, 43, 17543-17555.	3.8	41
90	A 3D petal-like Ni₃S₂/CoNi₂S₄ hybrid grown on Ni foam as a binder-free electrode for energy storage. Sustainable Energy and Fuels, 2018, 2, 1791-1798.	2.5	33

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91	Double-shelled tremella-like NiO@Co3O4@MnO2 as a high-performance cathode material for alkaline supercapacitors. Journal of Power Sources, 2017, 343, 76-82.	4.0	74
92	Synthesis of high surface area mesoporous MnO 2 via a â€œmetastableâ€•aqueous interfacial reaction. Journal of Colloid and Interface Science, 2017, 503, 76-85.	5.0	15
93	Ultra-high surface area and mesoporous N-doped carbon derived from sheep bones with high electrocatalytic performance toward the oxygen reduction reaction. Journal of Solid State Electrochemistry, 2017, 21, 2947-2954.	1.2	19
94	Tailoring nanopores within nanoparticles of PtCo networks as catalysts for methanol oxidation reaction. Electrochimica Acta, 2017, 255, 55-62.	2.6	36
95	Manganese dioxide coreâ€“shell nanostructure to achieve excellent cycling stability for asymmetric supercapacitor applications. RSC Advances, 2017, 7, 33635-33641.	1.7	33
96	Self-standing electrodes with core-shell structures for high-performance supercapacitors. Energy Storage Materials, 2017, 9, 119-125.	9.5	52
97	Toward high practical capacitance of Ni(OH)₂ using highly conductive CoB nanochain supports. Journal of Materials Chemistry A, 2017, 5, 92-96.	5.2	45
98	Nano-sized Co/Co(OH)2 core-shell structure synthesized in molten salt as electrode materials for supercapacitors. Ionics, 2017, 23, 725-730.	1.2	9
99	Enhanced Cycleability of Amorphous MnO2 by Covering on Î±-MnO2 Needles in an Electrochemical Capacitor. Materials, 2017, 10, 988.	1.3	28
100	Harvesting a 3D N-Doped Carbon Network from Waste Bean Dregs by Ionothermal Carbonization as an Electrocatalyst for an Oxygen Reduction Reaction. Materials, 2017, 10, 1366.	1.3	26
101	V2O5-SiO2 hybrid as anode material for aqueous rechargeable lithium batteries. Ionics, 2016, 22, 1593-1601.	1.2	10
102	Ranunculus flower-like Ni(OH)₂@Mn₂O₃ as a high specific capacitance cathode material for alkaline supercapacitors. Journal of Materials Chemistry A, 2016, 4, 7591-7595.	5.2	55
103	The effect of the internal magnetism of ferromagnetic catalysts on their catalytic activity toward oxygen reduction reaction under an external magnetic field. Ionics, 2016, 22, 2195-2202.	1.2	26
104	Cage-like MnO 2 -Mn 2 O 3 hollow spheres with high specific capacitance and high rate capability as supercapacitor material. Electrochimica Acta, 2016, 219, 540-546.	2.6	58
105	A cost effective, highly porous, manganese oxide/carbon supercapacitor material with high rate capability. Journal of Materials Chemistry A, 2016, 4, 5390-5394.	5.2	56
106	Synthesis of hierarchical threeâ€dimensional CuO spindles for highly sensitive glucose determination. Micro and Nano Letters, 2016, 11, 870-875.	0.6	4
107	N-doped porous carbon material made from fish-bones and its highly electrocatalytic performance in the oxygen reduction reaction. RSC Advances, 2015, 5, 48965-48970.	1.7	33
108	Ultrathin willow-like CuO nanoflakes as an efficient catalyst for electro-oxidation of hydrazine. Journal of Power Sources, 2015, 289, 22-25.	4.0	52

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109	Mesoporous nitrogen-doped carbon derived from carp with high electrocatalytic performance for oxygen reduction reaction. Journal of Power Sources, 2015, 278, 213-217.	4.0	26
110	Control of MnO2 nanocrystal shape from tremella to nanobelt for ehancement of the oxygen reduction reaction activity. Journal of Power Sources, 2015, 280, 526-532.	4.0	107
111	Liquidâ€“liquid interface-mediated room-temperature synthesis of amorphous NiCo pompoms from ultrathin nanosheets with high catalytic activity for hydrazine oxidation. Chemical Communications, 2015, 51, 3570-3573.	2.2	64
112	N-doped carbon encapsulated Co3O4 nanoparticles as a synergistic catalyst for oxygen reduction reaction in acidic media. International Journal of Hydrogen Energy, 2015, 40, 3875-3882.	3.8	24
113	Platinum-Tin Nanowires Anchored on a Nitrogen-Doped Nanotube Composite Embedded with Iron/Iron Carbide Particles as an Ethanol Oxidation Electrocatalyst. Journal of the Electrochemical Society, 2015, 162, H79-H85.	1.3	13
114	Sponge-like carbon containing nitrogen and iron provides a non-precious oxygen reduction catalyst. Journal of Solid State Electrochemistry, 2015, 19, 1181-1186.	1.2	6
115	Room-temperature synthesis with inert bubble templates to produce â€œcleanâ€•PdCoP alloy nanoparticle networks for enhanced hydrazine electro-oxidation. RSC Advances, 2015, 5, 9837-9842.	1.7	27
116	A Co-N-doped carbonized egg white as a high-performance, non-precious metal, electrocatalyst for oxygen reduction. Journal of Solid State Electrochemistry, 2015, 19, 1727-1733.	1.2	27
117	Control of CuO nanocrystal morphology from ultrathin â€œwillow-leafâ€•to â€œflower-shapedâ€•for increased hydrazine oxidation activity. Journal of Power Sources, 2015, 300, 344-350.	4.0	31
118	Pig bones derived N-doped carbon with multi-level pores as electrocatalyst for oxygen reduction. Journal of Power Sources, 2015, 297, 295-301.	4.0	69
119	Cow dung-derived nitrogen-doped carbon as a cost effective, high activity, oxygen reduction electrocatalyst. RSC Advances, 2015, 5, 27112-27119.	1.7	28
120	Amorphous PtNiP particle networks of different particle sizes for the electro-oxidation of hydrazine. RSC Advances, 2015, 5, 68655-68661.	1.7	37
121	The enhanced electrocatalytic activity of okara-derived N-doped mesoporous carbon for oxygen reduction reaction. Journal of Power Sources, 2015, 274, 741-747.	4.0	77
122	Egg White Derived Tremella-Like Mesoporous Carbon as Efficient Non-Precious Electrocatalyst for Oxygen Reduction. Journal of the Electrochemical Society, 2014, 161, H637-H642.	1.3	20
123	Synthesis of Mesoporous Carbon from Okara and Application as Electrocatalyst Support. Fuel Cells, 2014, 14, 296-302.	1.5	16
124	Palygorskite Hybridized Carbon Nanocomposite as PtRuIr Support for the Methanol Oxidation Reaction. Fuel Cells, 2014, 14, 42-48.	1.5	3
125	Hydrogen and Fuel Cell Technologies at the Hydrogen South Africa (HySA) Systems Competence Centre. Platinum Metals Review, 2014, 58, 68-81.	1.5	5
126	Synergy among manganese, nitrogen and carbon to improve the catalytic activity for oxygen reduction reaction. Journal of Power Sources, 2014, 251, 363-369.	4.0	54

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127	Highly active Vulcan carbon composite for oxygen reduction reaction in alkaline medium. Electrochimica Acta, 2014, 133, 391-398.	2.6	59
128	Ultrafine amorphous PtNiP nanoparticles supported on carbon asÂefficiency electrocatalyst for oxygen reduction reaction. Journal of Power Sources, 2014, 259, 87-91.	4.0	31
129	Nanostructured Pt supported on cocoon-derived carbon as an efficient electrocatalyst for methanol oxidation. Journal of Solid State Electrochemistry, 2014, 18, 1503-1512.	1.2	14
130	Effect of stabilizers on the synthesis of palladiumâ€“nickel nanoparticles supported on carbon for ethanol oxidation in alkaline medium. Journal of Power Sources, 2014, 260, 12-18.	4.0	29
131	Synergy between isolated-Fe3O4 nanoparticles and CNx layers derived from lysine to improve the catalytic activity for oxygen reduction reaction. International Journal of Hydrogen Energy, 2014, 39, 3739-3745.	3.8	22
132	PtSn/C catalysts for ethanol oxidation: The effect of stabilizers on the morphology and particle distribution. Journal of Power Sources, 2014, 247, 142-150.	4.0	47
133	An Fe@Fe3C-inserted carbon nanotube/graphite composite support providing highly dispersed Pt nanoparticles for ethanol oxidation. Electrochimica Acta, 2014, 132, 251-257.	2.6	11
134	Evolution of nanoscale amorphous, crystalline and phase-segregated PtNiP nanoparticles and their electrocatalytic effect on methanol oxidation reaction. Physical Chemistry Chemical Physics, 2014, 16, 3593.	1.3	61
135	A Co₃W₃C promoted Pd catalyst exhibiting competitive performance over Pt/C catalysts towards the oxygen reduction reaction. Chemical Communications, 2014, 50, 566-568.	2.2	60
136	Gasâ€“liquid interface-mediated room-temperature synthesis of â€œcleanâ€•PdNiP alloy nanoparticle networks with high catalytic activity for ethanol oxidation. Chemical Communications, 2014, 50, 12877-12879.	2.2	48
137	Three-dimensional iron, nitrogen-doped carbon foams as efficient electrocatalysts for oxygen reduction reaction in alkaline solution. Electrochimica Acta, 2014, 142, 317-323.	2.6	29
138	Ultrafine iron oxide nanoparticles supported on N-doped carbon black as an oxygen reduction reaction catalyst. International Journal of Hydrogen Energy, 2014, 39, 14777-14782.	3.8	30
139	Synthesis of ultrafine amorphous PtP nanoparticles and the effect of PtP crystallinity on methanol oxidation. RSC Advances, 2014, 4, 20722-20728.	1.7	26
140	Evolution of the electrocatalytic activity of carbon-supported amorphous platinumâ€“rutheniumâ€“nickelâ€“phosphorous nanoparticles for methanol oxidation. Journal of Power Sources, 2014, 268, 498-507.	4.0	28
141	Lysine-derived mesoporous carbon nanotubes as a proficient non-precious catalyst for oxygen reduction reaction. Journal of Power Sources, 2014, 269, 54-60.	4.0	18
142	SnO2-embedded worm-like carbon nanofibers supported Pt nanoparticles for oxygen reduction reaction. Electrochimica Acta, 2014, 141, 13-19.	2.6	27
143	Chicken bone-derived N-doped porous carbon materials as an oxygen reduction electrocatalyst. Electrochimica Acta, 2014, 147, 520-526.	2.6	40
144	Chain-like SnO2-CNxNanocomposite Supported Pt Nanoparticles and Their Application in the Electrocatalytic Oxidation of Ethanol in Acid Medium. Journal of the Electrochemical Society, 2014, 161, H860-H866.	1.3	1

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145	Nitrogen-rich mesoporous carbon derived from melamine with high electrocatalytic performance for oxygen reduction reaction. Journal of Power Sources, 2014, 261, 238-244.	4.0	87
146	Hydrogen South Africa (HySA) Systems Competence Centre: Mission, objectives, technological achievements and breakthroughs. International Journal of Hydrogen Energy, 2014, 39, 3577-3596.	3.8	32
147	Soybean-derived mesoporous carbon as an effective catalyst support for electrooxidation of methanol. Journal of Power Sources, 2014, 248, 427-433.	4.0	52
148	Fe(III) â€“Induced N Enrichment in the Surface of Carbon Materials Derived from Silk Fibroins and Its Effect on Electrocatalytic Oxygen Reduction. Journal of the Electrochemical Society, 2014, 161, F795-F802.	1.3	40
149	Montmorillonite modified by CNx supported Pt forÂmethanol oxidation. International Journal of Hydrogen Energy, 2013, 38, 10381-10388.	3.8	11
150	Nanoparticulate TiO2-promoted PtRu/C catalyst for methanol oxidation. Ionics, 2013, 19, 529-534.	1.2	16
151	Surfacial carbonized palygorskite as support for high-performance Pt-based electrocatalysts. Journal of Solid State Electrochemistry, 2013, 17, 2009-2015.	1.2	5
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