

Vambola Kisand

List of Publications by Year in descending order

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41323

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times ranked

9672
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion fragmentation study of [EMMIM][TFSI], [EMIM][OTf] and [EMIM][DCA] by vacuum ultraviolet light. International Journal of Mass Spectrometry, 2022, 471, 116732.	0.7	4
2	Mesoporous textured Fe-N-C electrocatalysts as highly efficient cathodes for proton exchange membrane fuel cells. Journal of Power Sources, 2022, 520, 230819.	4.0	46
3	Liquid-assisted grinding/compression: a facile mechanosynthetic route for the production of high-performing Co ^{II} -N ^{II} -C electrocatalyst materials. Green Chemistry, 2022, 24, 305-314.	4.6	8
4	Transition metal and nitrogen-doped mesoporous carbons as cathode catalysts for anion-exchange membrane fuel cells. Applied Catalysis B: Environmental, 2022, 306, 121113.	10.8	42
5	Antimicrobial Activity of Commercial Photocatalytic SaniTise [®] , [®] Window Glass. Catalysts, 2022, 12, 197.	1.6	5
6	Nitrogen and Phosphorus Dual-Doped Silicon Carbide-Derived Carbon/Carbon Nanotube Composite for the Anion-Exchange Membrane Fuel Cell Cathode. ACS Applied Energy Materials, 2022, 5, 2949-2958.	2.5	21
7	Polypyrrole and Polythiophene Modified Carbon Nanotube-Based Cathode Catalysts for Anion Exchange Membrane Fuel Cell. ChemElectroChem, 2022, 9, .	1.7	9
8	CO ₂ reduction to formate on an affordable bismuth metal-organic framework based catalyst. Journal of CO ₂ Utilization, 2022, 59, 101937.	3.3	12
9	Oxygen reduction reaction on PdM/C (M = Pb, Sn, Bi) alloy nanocatalysts. Journal of Electroanalytical Chemistry, 2022, 917, 116391.	1.9	5
10	Morphological influence of graphitic carbon nanofibers by N ^{II} -F dual-doping on Pt electrocatalytic activity and stability for oxygen reduction reaction in polymer electrolyte membrane fuel cells. International Journal of Hydrogen Energy, 2022, 47, 20617-20631.	3.8	11
11	Cobalt-Containing Nitrogen-Doped Carbon Materials Derived from Saccharides as Efficient Electrocatalysts for Oxygen Reduction Reaction. Catalysts, 2022, 12, 568.	1.6	3
12	Electroreduction of oxygen on iron- and cobalt-containing nitrogen-doped carbon catalysts prepared from the rapeseed press cake. Journal of Electroanalytical Chemistry, 2022, 920, 116599.	1.9	4
13	Electroreduction of oxygen on cobalt phthalocyanine-modified carbide-derived carbon/carbon nanotube composite catalysts. Journal of Solid State Electrochemistry, 2021, 25, 57-71.	1.2	37
14	Transition metal-containing nitrogen-doped nanocarbon catalysts derived from 5-methylresorcinol for anion exchange membrane fuel cell application. Journal of Colloid and Interface Science, 2021, 584, 263-274.	5.0	50
15	Transition metal phthalocyanine-modified shungite-based cathode catalysts for alkaline membrane fuel cell. International Journal of Hydrogen Energy, 2021, 46, 4365-4377.	3.8	36
16	Non-precious metal cathodes for anion exchange membrane fuel cells from ball-milled iron and nitrogen doped carbide-derived carbons. Renewable Energy, 2021, 167, 800-810.	4.3	50
17	Enhanced oxygen reduction reaction activity and durability of Pt nanoparticles deposited on graphene-coated alumina nanofibres. Nanoscale Advances, 2021, 3, 2261-2268.	2.2	5
18	Transition-Metal- and Nitrogen-Doped Carbide-Derived Carbon/Carbon Nanotube Composites as Cathode Catalysts for Anion-Exchange Membrane Fuel Cells. ACS Catalysis, 2021, 11, 1920-1931.	5.5	85

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19	Multi-purpose heterogeneous catalyst material from an amorphous cobalt metal-organic framework. <i>Materials Advances</i> , 2021, 2, 4009-4015.	2.6	6
20	Oxygen reduction on silver catalysts electrodeposited on various nanocarbon supports. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	17
21	Ionic Liquid Vapors in Vacuum: Possibility to Derive Anodic Stabilities from DFT and UPS. <i>ACS Omega</i> , 2021, 6, 5255-5265.	1.6	9
22	Shungite-derived graphene as a carbon support for bifunctional oxygen electrocatalysts. <i>Journal of Catalysis</i> , 2021, 395, 178-187.	3.1	11
23	Bifunctional multi-metallic nitrogen-doped nanocarbon catalysts derived from 5-methylresorcinol. <i>Electrochemistry Communications</i> , 2021, 124, 106932.	2.3	16
24	Long Term Exposure to Virgin and Recycled LDPE Microplastics Induced Minor Effects in the Freshwater and Terrestrial Crustaceans <i>Daphnia magna</i> and <i>Porcellio scaber</i> . <i>Polymers</i> , 2021, 13, 771.	2.0	28
25	Silicon carbide-derived carbon electrocatalysts dual doped with nitrogen and phosphorus for the oxygen reduction reaction in an alkaline medium. <i>Electrochemistry Communications</i> , 2021, 125, 106976.	2.3	24
26	Mesoporous iron-nitrogen co-doped carbon material as cathode catalyst for the anion exchange membrane fuel cell. <i>Journal of Power Sources Advances</i> , 2021, 8, 100052.	2.6	43
27	Iron-Containing Nitrogen-Doped Carbon Nanomaterials Prepared via NaCl Template as Efficient Electrocatalysts for the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2021, 8, 2288-2297.	1.7	7
28	Seagrass beds reveal high abundance of microplastic in sediments: A case study in the Baltic Sea. <i>Marine Pollution Bulletin</i> , 2021, 168, 112417.	2.3	20
29	Bimetal Phthalocyanine-Modified Carbon Nanotube-Based Bifunctional Catalysts for Zinc-Air Batteries. <i>ChemElectroChem</i> , 2021, 8, 2662-2670.	1.7	34
30	Silver Nanowire-Based Catalysts for Oxygen Reduction Reaction in Alkaline Solution. <i>ChemCatChem</i> , 2021, 13, 4364-4371.	1.8	10
31	Bifunctional Oxygen Electrocatalysis on Mixed Metal Phthalocyanine-Modified Carbon Nanotubes Prepared via Pyrolysis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41507-41516.	4.0	65
32	High oxygen reduction reaction activity and durability of Pt catalyst photo-deposited on SnO ₂ -coated and uncoated multi-walled carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2021, 896, 115147.	1.9	2
33	Enhancing the electrocatalytic activity of Fe phthalocyanines for the oxygen reduction reaction by the presence of axial ligands: Pyridine-functionalized single-walled carbon nanotubes. <i>Electrochimica Acta</i> , 2021, 398, 139263.	2.6	27
34	The electrochemical behaviour of protic quaternary amine based room-temperature ionic liquid N2210(OTf) at negatively and positively polarized micro-mesoporous carbon electrode investigated by in situ X-ray photoelectron spectroscopy, in situ mass-spectroscopy, cyclic voltammetry and electrochemical impedance spectroscopy methods. <i>Journal of Electroanalytical Chemistry</i> , 2021, 897, 115561.	1.9	3
35	Iron and cobalt containing electrospun carbon nanofibre-based cathode catalysts for anion exchange membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 31275-31287.	3.8	30
36	Oxygen reduction reaction on Pd nanoparticles supported on novel mesoporous carbon materials. <i>Electrochimica Acta</i> , 2021, 394, 139132.	2.6	14

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37	Oxygen reduction reaction on Pd nanocatalysts prepared by plasma-assisted synthesis on different carbon nanomaterials. <i>Nanotechnology</i> , 2021, 32, 035401.	1.3	8
38	Electrospun Amphiphilic Nanofibers as Templates for In Situ Preparation of Chloramphenicol-Loaded Liposomes. <i>Pharmaceutics</i> , 2021, 13, 1742.	2.0	5
39	The Electrochemical Behaviour of Quaternary Amine-Based Room-Temperature Ionic Liquid N4111(TFSI). <i>Catalysts</i> , 2021, 11, 1315.	1.6	2
40	One-dimensional polymer-derived ceramic nanowires with electrocatalytically active metallic silicide tips as cathode catalysts for Zn-air batteries. <i>RSC Advances</i> , 2021, 11, 39707-39717.	1.7	8
41	Preparation and Characterization of Photocatalytically Active Antibacterial Surfaces Covered with Acrylic Matrix Embedded Nano-ZnO and Nano-ZnO/Ag. <i>Nanomaterials</i> , 2021, 11, 3384.	1.9	6
42	Electrocatalytic oxygen reduction reaction on iron phthalocyanine-modified carbide-derived carbon/carbon nanotube composite electrocatalysts. <i>Electrochimica Acta</i> , 2020, 334, 135575.	2.6	50
43	Fused Hybrid Linkers for Metal-Organic Framework-Derived Bifunctional Oxygen Electrocatalysts. <i>ACS Applied Energy Materials</i> , 2020, 3, 152-157.	2.5	19
44	Is the H ₂ economy realizable in the foreseeable future? Part III: H ₂ usage technologies, applications, and challenges and opportunities. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 28217-28239.	3.8	139
45	Oxygen reduction reaction on nanostructured Pt-based electrocatalysts: A review. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 31775-31797.	3.8	127
46	Frontier orbitals and quasiparticle energy levels in ionic liquids. <i>Npj Computational Materials</i> , 2020, 6, .	3.5	3
47	Impact of ball-milling of carbide-derived carbons on the generation of hydrogen peroxide via electroreduction of oxygen in alkaline media. <i>Journal of Electroanalytical Chemistry</i> , 2020, 878, 114690.	1.9	19
48	Cathode Catalysts Based on Cobalt- and Nitrogen-Doped Nanocarbon Composites for Anion Exchange Membrane Fuel Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 5375-5384.	2.5	61
49	Electrospun Polyacrylonitrile-Derived Co or Fe Containing Nanofibre Catalysts for Oxygen Reduction Reaction at the Alkaline Membrane Fuel Cell Cathode. <i>ChemCatChem</i> , 2020, 12, 4568-4581.	1.8	31
50	Effects of N and O groups for oxygen reduction reaction on one- and two-dimensional carbonaceous materials. <i>Electrochimica Acta</i> , 2020, 344, 136052.	2.6	23
51	Iron- and Nitrogen-Doped Graphene-Based Catalysts for Fuel Cell Applications. <i>ChemElectroChem</i> , 2020, 7, 1739-1747.	1.7	53
52	Electroreduction of Oxygen on Carbide-Derived Carbon Supported Pd Catalysts. <i>ChemElectroChem</i> , 2020, 7, 546-554.	1.7	10
53	Nitrogen-doped carbide-derived carbon/carbon nanotube composites as cathode catalysts for anion exchange membrane fuel cell application. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 119012.	10.8	72
54	Surface carboxylation or PEGylation decreases CuO nanoparticles' cytotoxicity to human cells in vitro without compromising their antibacterial properties. <i>Archives of Toxicology</i> , 2020, 94, 1561-1573.	1.9	14

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55	Is the H ₂ economy realizable in the foreseeable future? Part I: H ₂ production methods. International Journal of Hydrogen Energy, 2020, 45, 13777-13788.	3.8	186
56	Platinum Sputtered on Nb-doped TiO ₂ Films Prepared by ALD: Highly Active and Durable Carbon-free ORR Electrocatalyst. Journal of the Electrochemical Society, 2020, 167, 164505.	1.3	13
57	Transition Metal-Containing Nitrogen-Doped Nanocarbons Derived from 5-Methylresorcinol for Anion Exchange Membrane Fuel Cell Application. ECS Meeting Abstracts, 2020, MA2020-02, 2361-2361.	0.0	0
58	The electronic structure of ionic liquids based on the TFSI anion: A gas phase UPS and DFT study. Journal of Molecular Liquids, 2019, 294, 111580.	2.3	10
59	Magnetic and optical properties in degenerated transition metal and Ga co-substituted ZnO nanocrystals. Journal of Alloys and Compounds, 2019, 805, 1191-1199.	2.8	4
60	Electroreduction of oxygen on Nafion [®] -coated thin platinum films in acid media. Journal of Electroanalytical Chemistry, 2019, 848, 113292.	1.9	14
61	Sulphur and nitrogen co-doped graphene-based electrocatalysts for oxygen reduction reaction in alkaline medium. Electrochemistry Communications, 2019, 109, 106603.	2.3	46
62	Effect of Ball-Milling on the Oxygen Reduction Reaction Activity of Iron and Nitrogen Co-doped Carbide-Derived Carbon Catalysts in Acid Media. ACS Applied Energy Materials, 2019, 2, 7952-7962.	2.5	36
63	Electroreduction of oxygen in alkaline solution on iron phthalocyanine modified carbide-derived carbons. Electrochimica Acta, 2019, 299, 999-1010.	2.6	34
64	Polymer-derived Co/Ni-SiOC(N) ceramic electrocatalysts for oxygen reduction reaction in fuel cells. Catalysis Science and Technology, 2019, 9, 854-866.	2.1	30
65	Platinum nanoparticles photo-deposited on SnO ₂ -C composites: An active and durable electrocatalyst for the oxygen reduction reaction. Electrochimica Acta, 2019, 316, 162-172.	2.6	48
66	Electrocatalysts for oxygen reduction reaction based on electrospun polyacrylonitrile, styrene-acrylonitrile copolymer and carbon nanotube composite fibres. Journal of Materials Science, 2019, 54, 11618-11634.	1.7	28
67	Improved ORR Activity and Long-Term Durability of Pt Nanoparticles Deposited on TiO ₂ -Decorated Multiwall Carbon Nanotubes. Journal of the Electrochemical Society, 2019, 166, F1284-F1291.	1.3	22
68	Valence electronic structure of [EMIM][B(CN) ₄]: ion-pair vs. bulk description. RSC Advances, 2019, 9, 33140-33146.	1.7	6
69	Oxygen Reduction Reaction on Silver Catalysts in Alkaline Media: a Minireview. ChemElectroChem, 2019, 6, 73-86.	1.7	110
70	Electrochemical reduction of oxygen in alkaline solution on Pd/C catalysts prepared by electrodeposition on various carbon nanomaterials. Journal of Electroanalytical Chemistry, 2019, 834, 223-232.	1.9	19
71	High performance catalysts based on Fe/N co-doped carbide-derived carbon and carbon nanotube composites for oxygen reduction reaction in acid media. International Journal of Hydrogen Energy, 2019, 44, 12636-12648.	3.8	38
72	Pt nanoparticles sputter-deposited on TiO ₂ /MWCNT composites prepared by atomic layer deposition: Improved electrocatalytic activity towards the oxygen reduction reaction and durability in acid media. International Journal of Hydrogen Energy, 2018, 43, 4967-4977.	3.8	26

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73	Iron and Nitrogen Co-doped Carbide-derived Carbon and Carbon Nanotube Composite Catalysts for Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2018, 5, 1827-1836.	1.7	42
74	Electrocatalytic oxygen reduction on transition metal macrocyclic complexes for anion exchange membrane fuel cell application. <i>Current Opinion in Electrochemistry</i> , 2018, 9, 207-213.	2.5	44
75	Yttrium-doped hematite photoanodes for solar water splitting: Photoelectrochemical and electronic properties. <i>Ceramics International</i> , 2018, 44, 13218-13225.	2.3	19
76	Oxygen reduction on graphene sheets functionalised by anthraquinone diazonium compound during electrochemical exfoliation of graphite. <i>Electrochimica Acta</i> , 2018, 267, 246-254.	2.6	25
77	Oxygen Reduction on Catalysts Prepared by Pyrolysis of Electrospun Styrene-acrylonitrile Copolymer and Multi-walled Carbon Nanotube Composite Fibres. <i>Catalysis Letters</i> , 2018, 148, 1815-1826.	1.4	13
78	Oxygen Reduction on Fe- and Co-Containing Nitrogen-doped Nanocarbons. <i>ChemElectroChem</i> , 2018, 5, 2002-2009.	1.7	20
79	Highly efficient transition metal and nitrogen co-doped carbide-derived carbon electrocatalysts for anion exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2018, 375, 233-243.	4.0	74
80	Oxygen Electroreduction in Alkaline Solution on Pd Coatings Prepared by Galvanic Exchange of Copper. <i>Electrocatalysis</i> , 2018, 9, 400-408.	1.5	13
81	Electrocatalysis of oxygen reduction on heteroatom-doped nanocarbons and transition metal-nitrogen-carbon catalysts for alkaline membrane fuel cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 776-804.	5.2	357
82	Oxygen reduction on electrodeposited silver catalysts in alkaline solution. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 81-89.	1.2	29
83	Oxygen Reduction on Silver Nanoparticles Supported on Carbide-Derived Carbons. <i>Journal of the Electrochemical Society</i> , 2018, 165, F1199-F1205.	1.3	13
84	Valence electronic structure of [EMIM][BF ₄] ionic liquid: photoemission and DFT+D study. <i>RSC Advances</i> , 2018, 8, 30298-30304.	1.7	12
85	Solvothermal synthesis derived Co-Ga codoped ZnO diluted magnetic degenerated semiconductor nanocrystals. <i>Journal of Alloys and Compounds</i> , 2018, 763, 164-172.	2.8	17
86	Synthesis of highly-active Fe-N-C catalysts for PEMFC with carbide-derived carbons. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14663-14674.	5.2	94
87	Oxygen Electroreduction on Pt Nanoparticles Deposited on Reduced Graphene Oxide and N-doped Reduced Graphene Oxide Prepared by Plasma-assisted Synthesis in Aqueous Solution. <i>ChemElectroChem</i> , 2018, 5, 2902-2911.	1.7	14
88	UVA-induced antimicrobial activity of ZnO/Ag nanocomposite covered surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 169, 222-232.	2.5	37
89	Nitrogen-doped carbon-based electrocatalysts synthesised by ball-milling. <i>Electrochemistry Communications</i> , 2018, 93, 39-43.	2.3	47
90	Non-Precious Metal Oxygen Reduction Reaction Electrocatalysis. <i>ChemElectroChem</i> , 2018, 5, 1743-1744.	1.7	5

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91	Electrocatalysis of oxygen reduction by iron-containing nitrogen-doped carbon aerogels in alkaline solution. <i>Electrochimica Acta</i> , 2017, 230, 81-88.	2.6	51
92	Heat-treatment effects on the ORR activity of Pt nanoparticles deposited on multi-walled carbon nanotubes using magnetron sputtering technique. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5958-5970.	3.8	64
93	Stabilizer-free silver nanoparticles as efficient catalysts for electrochemical reduction of oxygen. <i>Journal of Colloid and Interface Science</i> , 2017, 491, 358-366.	5.0	56
94	Platinum Particles Electrochemically Deposited on Multiwalled Carbon Nanotubes for Oxygen Reduction Reaction in Acid Media. <i>Journal of the Electrochemical Society</i> , 2017, 164, F1014-F1021.	1.3	19
95	Transition metal-nitrogen co-doped carbide-derived carbon catalysts for oxygen reduction reaction in alkaline direct methanol fuel cell. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 276-286.	10.8	72
96	Electroreduction of Oxygen on PdPt Alloy Nanocubes in Alkaline and Acidic Media. <i>ChemElectroChem</i> , 2017, 4, 2547-2555.	1.7	14
97	Facile synthesis of magnetically separable CoFe ₂ O ₄ /Ag ₂ O/Ag ₂ CO ₃ nanoheterostructures with high photocatalytic performance under visible light and enhanced stability against photodegradation. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3455-3462.	3.3	12
98	Highly efficient nitrogen-doped carbide-derived carbon materials for oxygen reduction reaction in alkaline media. <i>Carbon</i> , 2017, 113, 159-169.	5.4	88
99	Oxygen Reduction on Anthraquinone Diazonium Compound Derivatized Multi-walled Carbon Nanotube and Graphene Based Electrodes. <i>Electroanalysis</i> , 2017, 29, 548-558.	1.5	15
100	Porous N,P-doped carbon from coconut shells with high electrocatalytic activity for oxygen reduction: Alternative to Pt-C for alkaline fuel cells. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 394-402.	10.8	294
101	Colorimetric gas detection by the varying thickness of a thin film of ultrasmall PTSA-coated TiO ₂ nanoparticles on a Si substrate. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 229-236.	1.5	3
102	An Oxygen Reduction Study of Graphene-Based Nanomaterials of Different Origin. <i>Catalysts</i> , 2016, 6, 108.	1.6	50
103	Enhanced oxygen reduction reaction activity of nitrogen-doped graphene/multi-walled carbon nanotube catalysts in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 22510-22519.	3.8	74
104	Co doped ZnO nanowires as visible light photocatalysts. <i>Solid State Sciences</i> , 2016, 56, 54-62.	1.5	94
105	Electrocatalysis of oxygen reduction on iron- and cobalt-containing nitrogen-doped carbon nanotubes in acid media. <i>Electrochimica Acta</i> , 2016, 218, 303-310.	2.6	42
106	Recent progress in oxygen reduction electrocatalysis on Pd-based catalysts. <i>Journal of Electroanalytical Chemistry</i> , 2016, 780, 327-336.	1.9	77
107	Enhanced oxygen reduction reaction activity of iron-containing nitrogen-doped carbon nanotubes for alkaline direct methanol fuel cell application. <i>Journal of Power Sources</i> , 2016, 332, 129-138.	4.0	86
108	Platinum Nanoparticles Supported on Nitrogen-Doped Graphene Nanosheets as Electrocatalysts for Oxygen Reduction Reaction. <i>Electrocatalysis</i> , 2016, 7, 428-440.	1.5	53

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109	Valence band photoelectron spectra of [EMIM][BF ₄] ionic liquid vapor: Evidences of electronic relaxation. <i>Journal of Molecular Liquids</i> , 2016, 223, 939-942.	2.3	9
110	Cobalt- and Nitrogen Co-doped Carbon Nanotube Cathode Catalyst for Alkaline Membrane Fuel Cells. <i>ChemElectroChem</i> , 2016, 3, 1455-1465.	1.7	66
111	UPS and DFT investigation of the electronic structure of gas-phase trimesic acid. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2016, 213, 11-16.	0.8	4
112	Oxygen electroreduction on carbon-supported Pd nanocubes in acid solutions. <i>Electrochimica Acta</i> , 2016, 188, 301-308.	2.6	37
113	Ag sensitized TiO ₂ and NiFe ₂ O ₄ three-component nanoheterostructures: synthesis, electronic structure and strongly enhanced visible light photocatalytic activity. <i>RSC Advances</i> , 2016, 6, 18834-18842.	1.7	13
114	Orthorhombic CaFe ₂ O ₄ : A promising p-type gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 260-265.	4.0	46
115	Electrocatalysis of oxygen reduction on multi-walled carbon nanotube supported copper and manganese phthalocyanines in alkaline media. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 921-929.	1.2	24
116	Cobalt-Containing Nitrogen-Doped Carbon Aerogels as Efficient Electrocatalysts for the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2015, 2, 2079-2088.	1.7	46
117	Fabrication of Lead Titanate (PbTiO ₃) Nanofiber Mats Via Electrospinning. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, E117.	1.1	3
118	Toxicity of 11 Metal Oxide Nanoparticles to Three Mammalian Cell Types & In Vitro. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1914-1929.	1.0	190
119	Switchable optical transmittance of TiO ₂ submicron-diameter wire suspension-based "smart window" device. <i>Optical Materials</i> , 2015, 46, 418-422.	1.7	12
120	Photocatalytic activity of anatase-nickel ferrite heterostructures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 796-803.	0.8	15
121	Highly active nitrogen-doped nanocarbon electrocatalysts for alkaline direct methanol fuel cell. <i>Journal of Power Sources</i> , 2015, 281, 94-102.	4.0	58
122	A straightforward and "green" solvothermal synthesis of Al doped zinc oxide plasmonic nanocrystals and piezoresistive elastomer nanocomposite. <i>RSC Advances</i> , 2015, 5, 63846-63852.	1.7	18
123	Enhanced electrocatalytic activity of nitrogen-doped multi-walled carbon nanotubes towards the oxygen reduction reaction in alkaline media. <i>RSC Advances</i> , 2015, 5, 59495-59505.	1.7	71
124	Comparison of photocatalytic activity for different co-precipitated spinel ferrites. <i>Research on Chemical Intermediates</i> , 2015, 41, 9439-9449.	1.3	24
125	Cobalt- and iron-containing nitrogen-doped carbon aerogels as non-precious metal catalysts for electrochemical reduction of oxygen. <i>Journal of Electroanalytical Chemistry</i> , 2015, 746, 9-17.	1.9	74
126	Oxygen electroreduction on MN ₄ -macrocycle modified graphene/multi-walled carbon nanotube composites. <i>Journal of Electroanalytical Chemistry</i> , 2015, 756, 69-76.	1.9	45

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127	Near threshold photodissociation study of EMIMBF ₄ vapor. RSC Advances, 2015, 5, 6834-6842.	1.7	7
128	Photocatalytic antibacterial activity of nano-TiO ₂ (anatase)-based thin films: Effects on Escherichia coli cells and fatty acids. Journal of Photochemistry and Photobiology B: Biology, 2015, 142, 178-185.	1.7	190
129	Study of the structural phase transformation of iron oxide nanoparticles from an Fe ²⁺ ion source by precipitation under various synthesis parameters and temperatures. Materials Chemistry and Physics, 2015, 149-150, 473-479.	2.0	37
130	Synthesis of p-type and n-type nickel ferrites and associated electrical properties. Physica B: Condensed Matter, 2015, 456, 232-236.	1.3	33
131	Oxygen Electroreduction on Electrodeposited PdAu Nanoalloys. Electrocatalysis, 2015, 6, 77-85.	1.5	35
132	Size-Dependent Toxicity of Silver Nanoparticles to Bacteria, Yeast, Algae, Crustaceans and Mammalian Cells In Vitro. PLoS ONE, 2014, 9, e102108.	1.1	465
133	Photocatalytic activity of non-stoichiometric ZnFe ₂ O ₄ under visible light irradiation. Physica Scripta, 2014, 89, 044011.	1.2	35
134	Electrochemical Behaviour of HOPG and CVD-Grown Graphene Electrodes Modified with Thick Anthraquinone Films by Diazonium Reduction. Electroanalysis, 2014, 26, 2619-2630.	1.5	29
135	Electrocatalytic oxygen reduction on nitrogen-doped graphene in alkaline media. Applied Catalysis B: Environmental, 2014, 147, 369-376.	10.8	215
136	Electrocatalysis of oxygen reduction on glassy carbon electrodes modified with anthraquinone moieties. Journal of Solid State Electrochemistry, 2014, 18, 1725-1733.	1.2	4
137	Effects of Co ion addition and annealing conditions on nickel ferrite gas response. Sensors and Actuators B: Chemical, 2014, 192, 173-180.	4.0	41
138	TiO ₂ nanowire dispersions in viscous polymer matrix: electrophoretic alignment and optical properties. Nanotechnology, 2014, 25, 415703.	1.3	13
139	Electro-optics of electrospun TiO ₂ anatase submicron wire based dipole particle suspension device. Optical Materials, 2014, 37, 740-744.	1.7	2
140	Shape-Dependent Electrocatalysis: Oxygen Reduction on Carbon-Supported Gold Nanoparticles. ChemElectroChem, 2014, 1, 1338-1347.	1.7	40
141	Highly active nitrogen-doped few-layer graphene/carbon nanotube composite electrocatalyst for oxygen reduction reaction in alkaline media. Carbon, 2014, 73, 361-370.	5.4	251
142	Electroreduction of oxygen on palladium nanoparticles supported on nitrogen-doped graphene nanosheets. Electrochimica Acta, 2014, 137, 206-212.	2.6	66
143	Purification of titania nanoparticle thin films: Triviality or a challenge?. Ceramics International, 2014, 40, 7125-7132.	2.3	2
144	High oxygen reduction activity of few-walled carbon nanotubes with low nitrogen content. Applied Catalysis B: Environmental, 2014, 158-159, 233-241.	10.8	62

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145	Electrochemical Reduction of Oxygen on Heat-Treated Pd Nanoparticle/Multi-Walled Carbon Nanotube Composites in Alkaline Solution. <i>Electrocatalysis</i> , 2013, 4, 42-48.	1.5	36
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147	Electrocatalysis of oxygen reduction on nitrogen-containing multi-walled carbon nanotube modified glassy carbon electrodes. <i>Electrochimica Acta</i> , 2013, 87, 709-716.	2.6	114
148	Oxygen reduction on thick anthraquinone films electrografted to glassy carbon. <i>Journal of Electroanalytical Chemistry</i> , 2013, 702, 8-14.	1.9	17
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