Kaido Tammeveski

List of Publications by Year
in descending order

198	10,289	22153 59	46799 89
papers	citations	h-index	g-index

199	199	199	8060
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrocatalysis of oxygen reduction on heteroatom-doped nanocarbons and transition metalâ€“nitrogenâ€“carbon catalysts for alkaline membrane fuel cells. Journal of Materials Chemistry A, 2018, 6, 776-804.	10.3	357
2	Surface redox catalysis for O2 reduction on quinone-modified glassy carbon electrodes. Journal of Electroanalytical Chemistry, 2001, 515, 101-112.	3.8	341
3	Porous N,P-doped carbon from coconut shells with high electrocatalytic activity for oxygen reduction: Alternative to Pt-C for alkaline fuel cells. Applied Catalysis B: Environmental, 2017, 204, 394-402.	20.2	294
4	Highly active nitrogen-doped few-layer graphene/carbon nanotube composite electrocatalyst for oxygen reduction reaction in alkaline media. Carbon, 2014, 73, 361-370.	10.3	251
5	Electrochemical reduction of oxygen on anthraquinone-modified glassy carbon electrodes in alkaline solution. Journal of Electroanalytical Chemistry, 2003, 541, 23-29.	3.8	216
6	Electrocatalytic oxygen reduction on nitrogen-doped graphene in alkaline media. Applied Catalysis B: Environmental, 2014, 147, 369-376.	20.2	215
7	Electroreduction of oxygen on nitrogen-doped carbon nanotube modified glassy carbon electrodes in acid and alkaline solutions. Journal of Electroanalytical Chemistry, 2010, 648, 169-175.	3.8	187
8	Non-platinum cathode catalysts for alkaline membrane fuel cells. International Journal of Hydrogen Energy, 2012, 37, 4406-4412.	7.1	186
9	Is the H2 economy realizable in the foreseeable future? Part I: H2 production methods. International Journal of Hydrogen Energy, 2020, 45, 13777-13788.	7.1	186
10	Electrochemical reduction of oxygen on palladium nanocubes in acid and alkaline solutions. Electrochimica Acta, 2012, 59, 329-335.	5.2	141
11	Is the H2 economy realizable in the foreseeable future? Part III: H2 usage technologies, applications, and challenges and opportunities. International Journal of Hydrogen Energy, 2020, 45, 28217-28239.	7.1	139
12	Oxygen reduction on phenanthrenequinone-modified glassy carbon electrodes in 0.1 M KOH. Journal of Electroanalytical Chemistry, 2004, 564, 159-166.	3.8	129
13	Is the H2 economy realizable in the foreseeable future? Part II: H2 storage, transportation, and distribution. International Journal of Hydrogen Energy, 2020, 45, 20693-20708.	7.1	129
14	Oxygen reduction reaction on nanostructured Pt-based electrocatalysts: A review. International Journal of Hydrogen Energy, 2020, 45, 31775-31797.	7.1	127
15	The pH-dependence of oxygen reduction on quinone-modified glassy carbon electrodes. Electrochimica Acta, 2007, 53, 390-399.	5.2	114
16	Electrocatalysis of oxygen reduction on nitrogen-containing multi-walled carbon nanotube modified glassy carbon electrodes. Electrochimica Acta, 2013, 87, 709-716.	5.2	114
17	The pH-dependence of oxygen reduction on multi-walled carbon nanotube modified glassy carbon electrodes. Carbon, 2009, 47, 651-658.	10.3	111
18	Oxygen Reduction Reaction on Silver Catalysts in Alkaline Media: a Minireview. ChemElectroChem, 2019, 6, 73-86.	3.4	110

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19	Electrocatalytic oxygen reduction on silver nanoparticle/multi-walled carbon nanotube modified glassy carbon electrodes in alkaline solution. Electrochemistry Communications, 2012, 20, 15-18.	4.7	109
20	Enhanced electrocatalytic activity of cubic Pd nanoparticles towards the oxygen reduction reaction in acid media. Electrochemistry Communications, 2011, 13, 734-737.	4.7	108
21	Electrochemical reduction of oxygen on anodically pre-treated and chemically grafted glassy carbon electrodes in alkaline solutions. Electrochemistry Communications, 2004, 6, 1-5.	4.7	96
22	Electroreduction of oxygen on multi-walled carbon nanotubes modified highly oriented pyrolytic graphite electrodes in alkaline solution. Journal of Electroanalytical Chemistry, 2006, 597, 119-126.	3.8	94
23	Synthesis of highly-active Feâ€“Nâ€“C catalysts for PEMFC with carbide-derived carbons. Journal of Materials Chemistry A, 2018, 6, 14663-14674.	10.3	94
24	Superoxide electrode based on covalently immobilized cytochrome c: modelling studies. Free Radical Biology and Medicine, 1998, 25, 973-978.	2.9	92
25	Oxygen reduction on graphene-supported MN4 macrocycles in alkaline media. Electrochemistry Communications, 2013, 33, 18-22.	4.7	92
26	Highly efficient nitrogen-doped carbide-derived carbon materials for oxygen reduction reaction in alkaline media. Carbon, 2017, 113, 159-169.	10.3	88
27	Enhanced oxygen reduction reaction activity of iron-containing nitrogen-doped carbon nanotubes for alkaline direct methanol fuel cell application. Journal of Power Sources, 2016, 332, 129-138.	7.8	86
28	Electrocatalytic oxygen reduction on glassy carbon grafted with anthraquinone by anodic oxidation of a carboxylate substituent. Electrochimica Acta, 2005, 50, 5126-5131.	5.2	85
29	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.	11.2	85
30	Electrochemical reduction of oxygen on thin-film Pt electrodes in 0.1 M KOH. Electrochimica Acta, 1997, 42, 893-897.	5.2	82
31	Electrochemical reduction of oxygen on thin-film Au electrodes in acid solution. Electrochemistry Communications, 2001, 3, 446-450.	4.7	77
32	Oxygen reduction on gold nanoparticle/multi-walled carbon nanotubes modified glassy carbon electrodes in acid solution. Electrochemistry Communications, 2006, 8, 1475-1480.	4.7	77
33	Recent progress in oxygen reduction electrocatalysis on Pd-based catalysts. Journal of Electroanalytical Chemistry, 2016, 780, 327-336.	3.8	77
34	Oxygen electroreduction on titanium-supported thin Pt films in alkaline solution. Electrochimica Acta, 1997, 42, 2961-2967.	5.2	76
35	Effect of purification of carbon nanotubes on their electrocatalytic properties for oxygen reduction in acid solution. Carbon, 2011, 49, 4031-4039.	10.3	76
36	Substituent effects on the electrocatalytic reduction of oxygen on quinone-modified glassy carbon electrodes. Physical Chemistry Chemical Physics, 2004, 6, 1321.	2.8	75

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37	Electrochemical synthesis of hydrogen peroxide: Rotating disk electrode and fuel cell studies. Electrochimica Acta, 2007, 52, 7262-7269.	5.2	75
38	Electrochemical reduction of oxygen on nanostructured gold electrodes. Journal of Electroanalytical Chemistry, 2008, 612, 78-86.	3.8	75
39	Electrochemical reduction of oxygen on thin-film Pt electrodes in acid solutions. Electrochimica Acta, 2008, 53, 5873-5880.	5.2	74
40	Oxygen reduction on carbon nanomaterial-modified glassy carbon electrodes in alkaline solution. Journal of Solid State Electrochemistry, 2010, 14, 1269-1277.	2.5	74
41	Electroreduction of oxygen on Pt nanoparticle/carbon nanotube nanocomposites in acid and alkaline solutions. Electrochimica Acta, 2010, 55, 794-803.	5.2	74
42	Cobalt- and iron-containing nitrogen-doped carbon aerogels as non-precious metal catalysts for electrochemical reduction of oxygen. Journal of Electroanalytical Chemistry, 2015, 746, 9-17.	3.8	74
43	Enhanced oxygen reduction reaction activity of nitrogen-doped graphene/multi-walled carbon nanotube catalysts in alkaline media. International Journal of Hydrogen Energy, 2016, 41, 22510-22519.	7.1	74
44	Highly efficient transition metal and nitrogen co-doped carbide-derived carbon electrocatalysts for anion exchange membrane fuel cells. Journal of Power Sources, 2018, 375, 233-243.	7.8	74
45	Electrochemical Reduction of Oxygen on Multiwalled Carbon Nanotube Modified Glassy Carbon Electrodes in Acid Media. Electrochemical and Solid-State Letters, 2007, 10, F18.	2.2	73
46	Kinetics of Oxygen Reduction on Quinone-Modified HOPG and BDD Electrodes in Alkaline Solution. Electrochemical and Solid-State Letters, 2005, 8, E30.	2.2	72
47	Transition metal-nitrogen co-doped carbide-derived carbon catalysts for oxygen reduction reaction in alkaline direct methanol fuel cell. Applied Catalysis B: Environmental, 2017, 219, 276-286.	20.2	72
48	Nitrogen-doped carbide-derived carbon/carbon nanotube composites as cathode catalysts for anion exchange membrane fuel cell application. Applied Catalysis B: Environmental, 2020, 272, 119012.	20.2	72
49	Enhanced electrocatalytic activity of nitrogen-doped multi-walled carbon nanotubes towards the oxygen reduction reaction in alkaline media. RSC Advances, 2015, 5, 59495-59505.	3.6	71
50	Spontaneous modification of glassy carbon surface with anthraquinone from the solutions of its diazonium derivative: An oxygen reduction study. Journal of Electroanalytical Chemistry, 2008, 624, 151-160.	3.8	69
51	Electroreduction of oxygen on glassy carbon electrodes modified with in situ generated anthraquinone diazonium cations. Electrochimica Acta, 2009, 54, 1961-1969.	5.2	69
52	Grapheneâ€“TiO2 composite supported Pt electrocatalyst for oxygen reduction reaction. Electrochimica Acta, 2013, 107, 509-517.	5.2	69
53	Electroreduction of oxygen on Vulcan carbon supported Pd nanoparticles and Pdâ€“M nanoalloys in acid and alkaline solutions. Electrochimica Acta, 2011, 56, 6702-6708.	5.2	68
54	Electroreduction of oxygen on palladium nanoparticles supported on nitrogen-doped graphene nanosheets. Electrochimica Acta, 2014, 137, 206-212.	5.2	66

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55	Cobaltâ€“Nitrogen Coâ€doped Carbon Nanotube Cathode Catalyst for Alkaline Membrane Fuel Cells. ChemElectroChem, 2016, 3, 1455-1465.	3.4	66
56	Bifunctional Oxygen Electrocatalysis on Mixed Metal Phthalocyanine-Modified Carbon Nanotubes Prepared via Pyrolysis. ACS Applied Materials & Interfaces, 2021, 13, 41507-41516.	8.0	65
57	Heat-treatment effects on the ORR activity of Pt nanoparticles deposited on multi-walled carbon nanotubes using magnetron sputtering technique. International Journal of Hydrogen Energy, 2017, 42, 5958-5970.	7.1	64
58	High oxygen reduction activity of few-walled carbon nanotubes with low nitrogen content. Applied Catalysis B: Environmental, 2014, 158-159, 233-241.	20.2	62
59	Electroreduction of oxygen on gold nanoparticle/PDDA-MWCNT nanocomposites in acid solution. Analytica Chimica Acta, 2008, 618, 140-146.	5.4	61
60	Cathode Catalysts Based on Cobalt- and Nitrogen-Doped Nanocarbon Composites for Anion Exchange Membrane Fuel Cells. ACS Applied Energy Materials, 2020, 3, 5375-5384.	5.1	61
61	Electrocatalysis of oxygen reduction by quinones adsorbed on highly oriented pyrolytic graphite electrodes. Electrochimica Acta, 2010, 55, 6376-6382.	5.2	60
62	Stability of Pt Nanoparticles on Alternative Carbon Supports for Oxygen Reduction Reaction. Journal of the Electrochemical Society, 2017, 164, F995-F1004.	2.9	59
63	Highly active nitrogen-doped nanocarbon electrocatalysts for alkaline direct methanol fuel cell. Journal of Power Sources, 2015, 281, 94-102.	7.8	58
64	Nano-electrocatalyst materials for low temperature fuel cells: A review. Chinese Journal of Catalysis, 2015, 36, 458-472.	14.0	58
65	Novel multi walled carbon nanotube based nitrogen impregnated Co and Fe cathode catalysts for improved microbial fuel cell performance. International Journal of Hydrogen Energy, 2018, 43, 23027-23035.	7.1	58
66	Oxygen reduction on Nafion-coated thin-film palladium electrodes. Journal of Electroanalytical Chemistry, 2011, 652, 1-7.	3.8	57
67	Stabilizer-free silver nanoparticles as efficient catalysts for electrochemical reduction of oxygen. Journal of Colloid and Interface Science, 2017, 491, 358-366.	9.4	56
68	Platinum Nanoparticles Supported on Nitrogen-Doped Graphene Nanosheets as Electrocatalysts for Oxygen Reduction Reaction. Electrocatalysis, 2016, 7, 428-440.	3.0	53
69	Ironâ€•and Nitrogenâ€Doped Grapheneâ€Based Catalysts for Fuel Cell Applications. ChemElectroChem, 2020, 7, 1739-1747.	3.4	53
70	The Reduction of Oxygen on Ptâ€‰â€â€‰TiO2 Coated Ti Electrodes in Alkaline Solution. Journal of the Electrochemical Society, 1999, 146, 669-676.	2.9	51
71	Oxygen Electroreduction on Multi-Walled Carbon Nanotube Supported Metal Phthalocyanines and Porphyrins in Alkaline Media. Journal of Nanoscience and Nanotechnology, 2013, 13, 621-627.	0.9	51
72	Electrocatalysis of oxygen reduction by iron-containing nitrogen-doped carbon aerogels in alkaline solution. Electrochimica Acta, 2017, 230, 81-88.	5.2	51

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73	An Oxygen Reduction Study of Graphene-Based Nanomaterials of Different Origin. Catalysts, 2016, 6, 108.	3.5	50
74	Electrocatalytic oxygen reduction reaction on iron phthalocyanine-modified carbide-derived carbon/carbon nanotube composite electrocatalysts. Electrochimica Acta, 2020, 334, 135575.	5.2	50
75	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.	9.4	50
76	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.	8.9	50
77	Electroreduction of oxygen on gold-supported nanostructured palladium films in acid solutions. Electrochimica Acta, 2010, 55, 6768-6774.	5.2	49
78	Electroreduction of oxygen on sputter-deposited Pd nanolayers on multi-walled carbon nanotubes. International Journal of Hydrogen Energy, 2013, 38, 3614-3620.	7.1	48
79	Platinum nanoparticles photo-deposited on SnO2-C composites: An active and durable electrocatalyst for the oxygen reduction reaction. Electrochimica Acta, 2019, 316, 162-172.	5.2	48
80	Oxygen reduction on Pd nanoparticle/multi-walled carbon nanotube composites. Journal of Electroanalytical Chemistry, 2012, 666, 67-75.	3.8	47
81	Sputter-deposited Pt nanoparticle/multi-walled carbon nanotube composite catalyst for oxygen reduction reaction. Journal of Electroanalytical Chemistry, 2013, 708, 31-38.	3.8	47
82	Nitrogen-doped carbon-based electrocatalysts synthesised by ball-milling. Electrochemistry Communications, 2018, 93, 39-43.	4.7	47
83	Oxygen electroreduction on chemically modified glassy carbon electrodes in alkaline solution. Journal of Electroanalytical Chemistry, 2007, 599, 183-193.	3.8	46
84	Cobaltâ€Containing Nitrogenâ€Doped Carbon Aerogels as Efficient Electrocatalysts for the Oxygen Reduction Reaction. ChemElectroChem, 2015, 2, 2079-2088.	3.4	46
85	Sulphur and nitrogen co-doped graphene-based electrocatalysts for oxygen reduction reaction in alkaline medium. Electrochemistry Communications, 2019, 109, 106603.	4.7	46
86	Mesoporous textured Fe-N-C electrocatalysts as highly efficient cathodes for proton exchange membrane fuel cells. Journal of Power Sources, 2022, 520, 230819.	7.8	46
87	Oxygen electroreduction on MN4-macrocycle modified graphene/multi-walled carbon nanotube composites. Journal of Electroanalytical Chemistry, 2015, 756, 69-76.	3.8	45
88	Electrochemical and surface characterisation of gold nanoparticle decorated multi-walled carbon nanotubes. Applied Surface Science, 2010, 256, 3040-3046.	6.1	44
89	Oxygen reduction reaction on carbon-supported palladium nanocubes in alkaline media. Electrochemistry Communications, 2016, 64, 9-13.	4.7	44
90	Electrocatalytic oxygen reduction on transition metal macrocyclic complexes for anion exchange membrane fuel cell application. Current Opinion in Electrochemistry, 2018, 9, 207-213.	4.8	44

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91	Mesoporous iron-nitrogen co-doped carbon material as cathode catalyst for the anion exchange membrane fuel cell. Journal of Power Sources Advances, 2021, 8, 100052.	5.1	43
92	Electrochemical reduction of oxygen on double-walled carbon nanotube modified glassy carbon electrodes in acid and alkaline solutions. Electrochemistry Communications, 2010, 12, 920-923.	4.7	42
93	Electrocatalysis of oxygen reduction on iron- and cobalt-containing nitrogen-doped carbon nanotubes in acid media. Electrochimica Acta, 2016, 218, 303-310.	5.2	42
94	Iron and Nitrogen Coâ€doped Carbideâ€Derived Carbon and Carbon Nanotube Composite Catalysts for Oxygen Reduction Reaction. ChemElectroChem, 2018, 5, 1827-1836.	3.4	42
95	Transition metal and nitrogen-doped mesoporous carbons as cathode catalysts for anion-exchange membrane fuel cells. Applied Catalysis B: Environmental, 2022, 306, 121113.	20.2	42
96	Electroreduction of oxygen on carbon-supported gold catalysts. Electrochimica Acta, 2009, 54, 7483-7489.	5.2	41
97	Electrochemical oxygen reduction behaviour of platinum nanoparticles supported on multi-walled carbon nanotube/titanium dioxide composites. Journal of Electroanalytical Chemistry, 2014, 735, 68-76.	3.8	40
98	Shapeâ€Dependent Electrocatalysis: Oxygen Reduction on Carbonâ€Supported Gold Nanoparticles. ChemElectroChem, 2014, 1, 1338-1347.	3.4	40
99	Multi-walled carbon nanotube and carbide-derived carbon supported metal phthalocyanines as cathode catalysts for microbial fuel cell applications. Sustainable Energy and Fuels, 2019, 3, 3525-3537.	4.9	40
100	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.	7.1	38
101	Electrochemical reduction of oxygen on nanoparticulate gold electrodeposited on a molecular template. Physical Chemistry Chemical Physics, 2009, 11, 3463.	2.8	37
102	PdPt alloy nanocubes as electrocatalysts for oxygen reduction reaction in acid media. Electrochemistry Communications, 2015, 56, 11-15.	4.7	37
103	Oxygen electroreduction on carbon-supported Pd nanocubes in acid solutions. Electrochimica Acta, 2016, 188, 301-308.	5.2	37
104	Electroreduction of oxygen on cobalt phthalocyanine-modified carbide-derived carbon/carbon nanotube composite catalysts. Journal of Solid State Electrochemistry, 2021, 25, 57-71.	2.5	37
105	Electrochemical Reduction of Oxygen on Heat-Treated Pd Nanoparticle/Multi-Walled Carbon Nanotube Composites in Alkaline Solution. Electrocatalysis, 2013, 4, 42-48.	3.0	36
106	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.	5.1	36
107	Transition metal phthalocyanine-modified shungite-based cathode catalysts for alkaline membrane fuel cell. International Journal of Hydrogen Energy, 2021, 46, 4365-4377.	7.1	36
108	Attachment of anthraquinone derivatives to glassy carbon and the electrocatalytic behavior of the modified electrodes toward oxygen reduction. Journal of Solid State Electrochemistry, 2007, 11, 1411-1420.	2.5	35

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109	Surface modification of gold electrodes with anthraquinone diazonium cations. Electrochemistry Communications, 2009, 11, 405-408.	4.7	35
110	Oxygen reduction on electrodeposited Pd coatings on glassy carbon. Electrochimica Acta, 2013, 88, 513-518.	5.2	35
111	Oxygen Electroreduction on Electrodeposited PdAu Nanoalloys. Electrocatalysis, 2015, 6, 77-85.	3.0	35
112	Electroreduction of oxygen on nitrogen-doped graphene oxide supported silver nanoparticles. Journal of Electroanalytical Chemistry, 2017, 794, 197-203.	3.8	35
113	Electroreduction of oxygen in alkaline solution on iron phthalocyanine modified carbide-derived carbons. Electrochimica Acta, 2019, 299, 999-1010.	5.2	34
114	Bimetal Phthalocyanineâ€Modified Carbon Nanotubeâ€Based Bifunctional Catalysts for Zincâ€Air Batteries. ChemElectroChem, 2021, 8, 2662-2670.	3.4	34
115	Oxygen electroreduction on anthraquinone-modified nickel electrodes in alkaline solution. Electrochemistry Communications, 2007, 9, 1196-1201.	4.7	33
116	Hydrodynamic Deposition of Carbon Nanotubes onto HOPG: The Reduction of Oxygen on CNT/HOPG Electrodes in Alkaline Solution. Electrochemical and Solid-State Letters, 2009, 12, F31.	2.2	31
117	Electrospun Polyacrylonitrileâ€Derived Co or Fe Containing Nanofibre Catalysts for Oxygen Reduction Reaction at the Alkaline Membrane Fuel Cell Cathode. ChemCatChem, 2020, 12, 4568-4581.	3.7	31
118	Polymer-derived Co/Niâ€“SiOC(N) ceramic electrocatalysts for oxygen reduction reaction in fuel cells. Catalysis Science and Technology, 2019, 9, 854-866.	4.1	30
119	Iron and cobalt containing electrospun carbon nanofibre-based cathode catalysts for anion exchange membrane fuel cell. International Journal of Hydrogen Energy, 2021, 46, 31275-31287.	7.1	30
120	Electrochemical Behaviour of HOPG and CVDâ€Grown Graphene Electrodes Modified with Thick Anthraquinone Films by Diazonium Reduction. Electroanalysis, 2014, 26, 2619-2630.	2.9	29
121	Oxygen reduction on electrodeposited silver catalysts in alkaline solution. Journal of Solid State Electrochemistry, 2018, 22, 81-89.	2.5	29
122	Loading effect of carbon-supported platinum nanocubes on oxygen electroreduction. Electrochimica Acta, 2017, 251, 155-166.	5.2	28
123	Oxygen reduction reaction on thin-film Ag electrodes in alkaline solution. Electrochimica Acta, 2019, 325, 134922.	5.2	28
124	Electrocatalysts for oxygen reduction reaction based on electrospun polyacrylonitrile, styreneâ€“acrylonitrile copolymer and carbon nanotube composite fibres. Journal of Materials Science, 2019, 54, 11618-11634.	3.7	28
125	Enhanced Oxygen Reduction Reaction Activity with Electrodeposited Ag on Manganese Oxideâ€“Graphene Supported Electrocatalyst. Electrocatalysis, 2015, 6, 465-471.	3.0	27
126	Enhancing the electrocatalytic activity of Fe phthalocyanines for the oxygen reduction reaction by the presence of axial ligands: Pyridine-functionalized single-walled carbon nanotubes. Electrochimica Acta, 2021, 398, 139263.	5.2	27

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127	Blocking properties of gold electrodes modified with 4-nitrophenyl and 4-decylphenyl groups. Journal of Solid State Electrochemistry, 2012, 16, 569-578.	2.5	26
128	Pt nanoparticles sputter-deposited on TiO2/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.	7.1	26
129	Oxygen reduction on graphene sheets functionalised by anthraquinone diazonium compound during electrochemical exfoliation of graphite. Electrochimica Acta, 2018, 267, 246-254.	5.2	25
130	Electroreduction of oxygen on gold-supported thin Pt films in acid solutions. Journal of Electroanalytical Chemistry, 2008, 624, 144-150.	3.8	24
131	Electrocatalysis of oxygen reduction on multi-walled carbon nanotube supported copper and manganese phthalocyanines in alkaline media. Journal of Solid State Electrochemistry, 2016, 20, 921-929.	2.5	24
132	Silicon carbide-derived carbon electrocatalysts dual doped with nitrogen and phosphorus for the oxygen reduction reaction in an alkaline medium. Electrochemistry Communications, 2021, 125, 106976.	4.7	24
133	Oxygen reduction reaction on electrochemically deposited silver nanoparticles from non-aqueous solution. Journal of Electroanalytical Chemistry, 2018, 810, 129-134.	3.8	23
134	Effects of N and O groups for oxygen reduction reaction on one- and two-dimensional carbonaceous materials. Electrochimica Acta, 2020, 344, 136052.	5.2	23
135	Surface and electrochemical characterisation of CVD grown graphene sheets. Electrochemistry Communications, 2013, 35, 26-29.	4.7	22
136	Electrocatalysis of oxygen reduction on electrodeposited Pd coatings on gold. Journal of Electroanalytical Chemistry, 2013, 691, 35-41.	3.8	22
137	Improved ORR Activity and Long-Term Durability of Pt Nanoparticles Deposited on TiO₂-Decorated Multiwall Carbon Nanotubes. Journal of the Electrochemical Society, 2019, 166, F1284-F1291.	2.9	22
138	Electrografting and morphological studies of chemical vapour deposition grown graphene sheets modified by electroreduction of aryldiazonium salts. Electrochimica Acta, 2015, 161, 195-204.	5.2	21
139	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.	5.1	21
140	Oxygen Reduction on Feâ€•and Coâ€Containing Nitrogenâ€Doped Nanocarbons. ChemElectroChem, 2018, 5, 2002-2009.	3.4	20
141	Electrochemical behaviour of glassy carbon electrodes modified with aryl groups. Electrochimica Acta, 2010, 56, 166-173.	5.2	19
142	Platinum Particles Electrochemically Deposited on Multiwalled Carbon Nanotubes for Oxygen Reduction Reaction in Acid Media. Journal of the Electrochemical Society, 2017, 164, F1014-F1021.	2.9	19
143	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.	3.8	19
144	Fused Hybrid Linkers for Metalâ€“Organic Framework-Derived Bifunctional Oxygen Electrocatalysts. ACS Applied Energy Materials, 2020, 3, 152-157.	5.1	19

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145	Impact of ball-milling of carbide-derived carbons on the generation of hydrogen peroxide via electroreduction of oxygen in alkaline media. Journal of Electroanalytical Chemistry, 2020, 878, 114690.	3.8	19
146	Electrochemical behaviour of nickel electrodes modified with nitrophenyl groups. Electrochemistry Communications, 2007, 9, 2412-2417.	4.7	18
147	Electrochemical properties of aryl-modified gold electrodes. Journal of Electroanalytical Chemistry, 2010, 641, 90-98.	3.8	17
148	Versatile charge transfer through anthraquinone films for electrochemical sensing applications. Electrochimica Acta, 2011, 56, 8926-8933.	5.2	17
149	Oxygen reduction on thick anthraquinone films electrografted to glassy carbon. Journal of Electroanalytical Chemistry, 2013, 702, 8-14.	3.8	17
150	Oxygen reduction on silver catalysts electrodeposited on various nanocarbon supports. SN Applied Sciences, 2021, 3, 1.	2.9	17
151	Blocking Behavior of Covalently Attached Anthraquinone Towards Solutionâ€Based Redox Probes. Electroanalysis, 2010, 22, 513-518.	2.9	16
152	Platinum nanoparticles supported on nitrobenzene-functionalised graphene nanosheets as electrocatalysts for oxygen reduction reaction in alkaline media. Electrochemistry Communications, 2017, 81, 79-83.	4.7	16
153	Bifunctional multi-metallic nitrogen-doped nanocarbon catalysts derived from 5-methylresorcinol. Electrochemistry Communications, 2021, 124, 106932.	4.7	16
154	A study of glassy carbon electrodes modified with azobenzene derivatives. Journal of Electroanalytical Chemistry, 2012, 686, 46-53.	3.8	15
155	Oxygen Reduction on Anthraquinone Diazonium Compound Derivatised Multiâ€walled Carbon Nanotube and Graphene Based Electrodes. Electroanalysis, 2017, 29, 548-558.	2.9	15
156	Kinetics of oxygen reduction on gold nanoparticle/multi-walled carbon nanotube hybrid electrodes in acid media. Journal of Electroanalytical Chemistry, 2010, 642, 6-12.	3.8	14
157	Electroreduction of Oxygen on PdPt Alloy Nanocubes in Alkaline and Acidic Media. ChemElectroChem, 2017, 4, 2547-2555.	3.4	14
158	Oxygen Electroreduction on Pt Nanoparticles Deposited on Reduced Graphene Oxide and Nâ€doped Reduced Graphene Oxide Prepared by Plasmaâ€assisted Synthesis in Aqueous Solution. ChemElectroChem, 2018, 5, 2902-2911.	3.4	14
159	Electroreduction of oxygen on NafionÂ®-coated thin platinum films in acid media. Journal of Electroanalytical Chemistry, 2019, 848, 113292.	3.8	14
160	Oxygen reduction reaction on Pd nanoparticles supported on novel mesoporous carbon materials. Electrochimica Acta, 2021, 394, 139132.	5.2	14
161	Electrochemical behaviour of ABTS on aryl-modified glassy carbon electrodes. Journal of Electroanalytical Chemistry, 2011, 661, 343-350.	3.8	13
162	Electrochemical Modification of Gold Electrodes with Azobenzene Derivatives by Diazonium Reduction. ChemPhysChem, 2013, 14, 1043-1054.	2.1	13

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163	Oxygen Reduction on Catalysts Prepared by Pyrolysis of Electrospun Styreneâ€“Acrylonitrile Copolymer and Multi-walled Carbon Nanotube Composite Fibres. Catalysis Letters, 2018, 148, 1815-1826.	2.6	13
164	Oxygen Electroreduction in Alkaline Solution on Pd Coatings Prepared by Galvanic Exchange of Copper. Electrocatalysis, 2018, 9, 400-408.	3.0	13
165	Oxygen Reduction on Silver Nanoparticles Supported on Carbide-Derived Carbons. Journal of the Electrochemical Society, 2018, 165, F1199-F1205.	2.9	13
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