Kaido Tammeveski

List of Publications by Citations

191 papers	8,073 citations	54 h-index	79 g-index
199 ext. papers	9,223 ext. citations	5.9 avg, IF	6.29 L-index

#	Paper	IF	Citations
191	Surface redox catalysis for O2 reduction on quinone-modified glassy carbon electrodes. *Journal of Electroanalytical Chemistry*, **2001**, 515, 101-112	4.1	303
190	Electrocatalysis of oxygen reduction on heteroatom-doped nanocarbons and transition metal–nitrogen–carbon catalysts for alkaline membrane fuel cells. *Journal of Materials Chemistry A*, **2018**, 6, 776-804	13	257
189	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	21.8	239
188	Highly active nitrogen-doped few-layer graphene/carbon nanotube composite electrocatalyst for oxygen reduction reaction in alkaline media. *Carbon*, **2014**, 73, 361-370	10.4	226
187	Electrochemical reduction of oxygen on anthraquinone-modified glassy carbon electrodes in alkaline solution. *Journal of Electroanalytical Chemistry*, **2003**, 541, 23-29	4.1	197
186	Electrocatalytic oxygen reduction on nitrogen-doped graphene in alkaline media. *Applied Catalysis B: Environmental*, **2014**, 147, 369-376	21.8	189
185	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	4.1	168
184	Non-platinum cathode catalysts for alkaline membrane fuel cells. *International Journal of Hydrogen Energy*, **2012**, 37, 4406-4412	6.7	167
183	Electrochemical reduction of oxygen on palladium nanocubes in acid and alkaline solutions. *Electrochimica Acta*, **2012**, 59, 329-335	6.7	127
182	Oxygen reduction on phenanthrenequinone-modified glassy carbon electrodes in 0.1 M KOH. *Journal of Electroanalytical Chemistry*, **2004**, 564, 159-166	4.1	115
181	The pH-dependence of oxygen reduction on quinone-modified glassy carbon electrodes. *Electrochimica Acta*, **2007**, 53, 390-399	6.7	108
180	The pH-dependence of oxygen reduction on multi-walled carbon nanotube modified glassy carbon electrodes. *Carbon*, **2009**, 47, 651-658	10.4	106
179	Enhanced electrocatalytic activity of cubic Pd nanoparticles towards the oxygen reduction reaction in acid media. *Electrochemistry Communications*, **2011**, 13, 734-737	5.1	101
178	Electrocatalysis of oxygen reduction on nitrogen-containing multi-walled carbon nanotube modified glassy carbon electrodes. *Electrochimica Acta*, **2013**, 87, 709-716	6.7	100
177	Electrocatalytic oxygen reduction on silver nanoparticle/multi-walled carbon nanotube modified glassy carbon electrodes in alkaline solution. *Electrochemistry Communications*, **2012**, 20, 15-18	5.1	95
176	Electrochemical reduction of oxygen on anodically pre-treated and chemically grafted glassy carbon electrodes in alkaline solutions. *Electrochemistry Communications*, **2004**, 6, 1-5	5.1	89
175	Is the H2 economy realizable in the foreseeable future? Part I: H2 production methods. *International Journal of Hydrogen Energy*, **2020**, 45, 13777-13788	6.7	88

174	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	4.1	87
173	Superoxide electrode based on covalently immobilized cytochrome c: modelling studies. *Free Radical Biology and Medicine*, **1998**, 25, 973-8	7.8	86
172	Electrochemical reduction of oxygen on thin-film Pt electrodes in 0.1 M KOH. *Electrochimica Acta*, **1997**, 42, 893-897	6.7	78
171	Oxygen reduction on graphene-supported MN4 macrocycles in alkaline media. *Electrochemistry Communications*, **2013**, 33, 18-22	5.1	77
170	Highly efficient nitrogen-doped carbide-derived carbon materials for oxygen reduction reaction in alkaline media. *Carbon*, **2017**, 113, 159-169	10.4	76
169	Oxygen electroreduction on titanium-supported thin Pt films in alkaline solution. *Electrochimica Acta*, **1997**, 42, 2961-2967	6.7	74
168	Electrocatalytic oxygen reduction on glassy carbon grafted with anthraquinone by anodic oxidation of a carboxylate substituent. *Electrochimica Acta*, **2005**, 50, 5126-5131	6.7	74
167	Synthesis of highly-active Fe□□ catalysts for PEMFC with carbide-derived carbons. *Journal of Materials Chemistry A*, **2018**, 6, 14663-14674	13	74
166	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	8.9	73
165	Electroreduction of oxygen on Pt nanoparticle/carbon nanotube nanocomposites in acid and alkaline solutions. *Electrochimica Acta*, **2010**, 55, 794-803	6.7	72
164	Electrochemical reduction of oxygen on nanostructured gold electrodes. *Journal of Electroanalytical Chemistry*, **2008**, 612, 78-86	4.1	72
163	Oxygen reduction on gold nanoparticle/multi-walled carbon nanotubes modified glassy carbon electrodes in acid solution. *Electrochemistry Communications*, **2006**, 8, 1475-1480	5.1	72
162	Electrochemical reduction of oxygen on thin-film Au electrodes in acid solution. *Electrochemistry Communications*, **2001**, 3, 446-450	5.1	71
161	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	4.1	70
160	Effect of purification of carbon nanotubes on their electrocatalytic properties for oxygen reduction in acid solution. *Carbon*, **2011**, 49, 4031-4039	10.4	70
159	Electrochemical reduction of oxygen on thin-film Pt electrodes in acid solutions. *Electrochimica Acta*, **2008**, 53, 5873-5880	6.7	69
158	Oxygen reduction on carbon nanomaterial-modified glassy carbon electrodes in alkaline solution. *Journal of Solid State Electrochemistry*, **2010**, 14, 1269-1277	2.6	68
157	Electrochemical synthesis of hydrogen peroxide: Rotating disk electrode and fuel cell studies. *Electrochimica Acta*, **2007**, 52, 7262-7269	6.7	68

156	Oxygen Reduction Reaction on Silver Catalysts in Alkaline Media: a Minireview. *ChemElectroChem*, **2019**, 6, 73-86	4.3	68
155	Electrochemical Reduction of Oxygen on Multiwalled Carbon Nanotube Modified Glassy Carbon Electrodes in Acid Media. *Electrochemical and Solid-State Letters*, **2007**, 10, F18		66
154	Substituent effects on the electrocatalytic reduction of oxygen on quinone-modified glassy carbon electrodes. *Physical Chemistry Chemical Physics*, **2004**, 6, 1321	3.6	66
153	Electroreduction of oxygen on glassy carbon electrodes modified with in situ generated anthraquinone diazonium cations. *Electrochimica Acta*, **2009**, 54, 1961-1969	6.7	65
152	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	4.1	65
151	Kinetics of Oxygen Reduction on Quinone-Modified HOPG and BDD Electrodes in Alkaline Solution. *Electrochemical and Solid-State Letters*, **2005**, 8, E30		64
150	Graphene□TiO2 composite supported Pt electrocatalyst for oxygen reduction reaction. *Electrochimica Acta*, **2013**, 107, 509-517	6.7	62
149	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	6.7	60
148	Electroreduction of oxygen on Vulcan carbon supported Pd nanoparticles and Pd□M nanoalloys in acid and alkaline solutions. *Electrochimica Acta*, **2011**, 56, 6702-6708	6.7	58
147	Is the H economy realizable in the foreseeable future? Part III: H usage technologies, applications, and challenges and opportunities. *International Journal of Hydrogen Energy*, **2020**, 45, 28217-28239	6.7	58
146	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	21.8	57
145	Electroreduction of oxygen on gold nanoparticle/PDDA-MWCNT nanocomposites in acid solution. *Analytica Chimica Acta*, **2008**, 618, 140-6	6.6	57
144	Enhanced electrocatalytic activity of nitrogen-doped multi-walled carbon nanotubes towards the oxygen reduction reaction in alkaline media. *RSC Advances*, **2015**, 5, 59495-59505	3.7	56
143	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	8.9	56
142	Electroreduction of oxygen on palladium nanoparticles supported on nitrogen-doped graphene nanosheets. *Electrochimica Acta*, **2014**, 137, 206-212	6.7	56
141	High oxygen reduction activity of few-walled carbon nanotubes with low nitrogen content. *Applied Catalysis B: Environmental*, **2014**, 158-159, 233-241	21.8	56
140	Recent progress in oxygen reduction electrocatalysis on Pd-based catalysts. *Journal of Electroanalytical Chemistry*, **2016**, 780, 327-336	4.1	56
139	Cobalt□Nitrogen Co-doped Carbon Nanotube Cathode Catalyst for Alkaline Membrane Fuel Cells. *ChemElectroChem*, **2016**, 3, 1455-1465	4.3	54

138	Electrocatalysis of oxygen reduction by quinones adsorbed on highly oriented pyrolytic graphite electrodes. *Electrochimica Acta*, **2010**, 55, 6376-6382	6.7	54
137	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	6.7	53
136	Highly active nitrogen-doped nanocarbon electrocatalysts for alkaline direct methanol fuel cell. *Journal of Power Sources*, **2015**, 281, 94-102	8.9	53
135	Oxygen reduction on Nafion-coated thin-film palladium electrodes. *Journal of Electroanalytical Chemistry*, **2011**, 652, 1-7	4.1	53
134	Oxygen reduction reaction on nanostructured Pt-based electrocatalysts: A review. *International Journal of Hydrogen Energy*, **2020**, 45, 31775-31797	6.7	53
133	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	6.7	47
132	Electroreduction of oxygen on gold-supported nanostructured palladium films in acid solutions. *Electrochimica Acta*, **2010**, 55, 6768-6774	6.7	47
131	The Reduction of Oxygen on Pt - TiO2 Coated Ti Electrodes in Alkaline Solution. *Journal of the Electrochemical Society*, **1999**, 146, 669-676	3.9	47
130	Electrocatalysis of oxygen reduction by iron-containing nitrogen-doped carbon aerogels in alkaline solution. *Electrochimica Acta*, **2017**, 230, 81-88	6.7	46
129	Nano-electrocatalyst materials for low temperature fuel cells: A review. *Chinese Journal of Catalysis* , **2015**, 36, 458-472	11.3	46
128	Oxygen reduction on Pd nanoparticle/multi-walled carbon nanotube composites. *Journal of Electroanalytical Chemistry*, **2012**, 666, 67-75	4.1	46
127	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	21.8	44
126	Cobalt-Containing Nitrogen-Doped Carbon Aerogels as Efficient Electrocatalysts for the Oxygen Reduction Reaction. *ChemElectroChem*, **2015**, 2, 2079-2088	4.3	44
125	Oxygen electroreduction on chemically modified glassy carbon electrodes in alkaline solution. *Journal of Electroanalytical Chemistry*, **2007**, 599, 183-193	4.1	44
124	Stabilizer-free silver nanoparticles as efficient catalysts for electrochemical reduction of oxygen. *Journal of Colloid and Interface Science*, **2017**, 491, 358-366	9.3	43
123	Electroreduction of oxygen on sputter-deposited Pd nanolayers on multi-walled carbon nanotubes. *International Journal of Hydrogen Energy*, **2013**, 38, 3614-3620	6.7	43
122	Electrochemical and surface characterisation of gold nanoparticle decorated multi-walled carbon nanotubes. *Applied Surface Science*, **2010**, 256, 3040-3046	6.7	43
121	An Oxygen Reduction Study of Graphene-Based Nanomaterials of Different Origin. *Catalysts*, **2016**, 6, 108	4	43

120	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	6.7	43
119	Oxygen electroreduction on multi-walled carbon nanotube supported metal phthalocyanines and porphyrins in alkaline media. *Journal of Nanoscience and Nanotechnology*, **2013**, 13, 621-7	1.3	42
118	Platinum Nanoparticles Supported on Nitrogen-Doped Graphene Nanosheets as Electrocatalysts for Oxygen Reduction Reaction. *Electrocatalysis*, **2016**, 7, 428-440	2.7	41
117	Sputter-deposited Pt nanoparticle/multi-walled carbon nanotube composite catalyst for oxygen reduction reaction. *Journal of Electroanalytical Chemistry*, **2013**, 708, 31-38	4.1	41
116	Electroreduction of oxygen on carbon-supported gold catalysts. *Electrochimica Acta*, **2009**, 54, 7483-7489	3.7	40
115	Electrochemical reduction of oxygen on double-walled carbon nanotube modified glassy carbon electrodes in acid and alkaline solutions. *Electrochemistry Communications*, **2010**, 12, 920-923	5.1	40
114	Stability of Pt Nanoparticles on Alternative Carbon Supports for Oxygen Reduction Reaction. *Journal of the Electrochemical Society*, **2017**, 164, F995-F1004	3.9	39
113	Electrocatalysis of oxygen reduction on iron- and cobalt-containing nitrogen-doped carbon nanotubes in acid media. *Electrochimica Acta*, **2016**, 218, 303-310	6.7	38
112	Oxygen electroreduction on MN4-macrocycle modified graphene/multi-walled carbon nanotube composites. *Journal of Electroanalytical Chemistry*, **2015**, 756, 69-76	4.1	37
111	Electrochemical reduction of oxygen on nanoparticulate gold electrodeposited on a molecular template. *Physical Chemistry Chemical Physics*, **2009**, 11, 3463-71	3.6	37
110	Cathode Catalysts Based on Cobalt- and Nitrogen-Doped Nanocarbon Composites for Anion Exchange Membrane Fuel Cells. *ACS Applied Energy Materials*, **2020**, 3, 5375-5384	6.1	36
109	Oxygen reduction reaction on carbon-supported palladium nanocubes in alkaline media. *Electrochemistry Communications*, **2016**, 64, 9-13	5.1	36
108	Nitrogen-doped carbon-based electrocatalysts synthesised by ball-milling. *Electrochemistry Communications*, **2018**, 93, 39-43	5.1	36
107	Electrochemical oxygen reduction behaviour of platinum nanoparticles supported on multi-walled carbon nanotube/titanium dioxide composites. *Journal of Electroanalytical Chemistry*, **2014**, 735, 68-76	4.1	36
106	Electrocatalytic oxygen reduction reaction on iron phthalocyanine-modified carbide-derived carbon/carbon nanotube composite electrocatalysts. *Electrochimica Acta*, **2020**, 334, 135575	6.7	35
105	Iron and Nitrogen Co-doped Carbide-Derived Carbon and Carbon Nanotube Composite Catalysts for Oxygen Reduction Reaction. *ChemElectroChem*, **2018**, 5, 1827-1836	4.3	34
104	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	2.6	34
103	Iron- and Nitrogen-Doped Graphene-Based Catalysts for Fuel Cell Applications. *ChemElectroChem*, **2020**, 7, 1739-1747	4.3	33

102	Shape-Dependent Electrocatalysis: Oxygen Reduction on Carbon-Supported Gold Nanoparticles. *ChemElectroChem*, **2014**, 1, 1338-1347	4.3	33
101	Electrochemical Reduction of Oxygen on Heat-Treated Pd Nanoparticle/Multi-Walled Carbon Nanotube Composites in Alkaline Solution. *Electrocatalysis*, **2013**, 4, 42-48	2.7	33
100	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	13.1	33
99	PdPt alloy nanocubes as electrocatalysts for oxygen reduction reaction in acid media. *Electrochemistry Communications*, **2015**, 56, 11-15	5.1	32
98	Electrocatalytic oxygen reduction on transition metal macrocyclic complexes for anion exchange membrane fuel cell application. *Current Opinion in Electrochemistry*, **2018**, 9, 207-213	7.2	32
97	Oxygen reduction on electrodeposited Pd coatings on glassy carbon. *Electrochimica Acta*, **2013**, 88, 513-518	6.7	32
96	Surface modification of gold electrodes with anthraquinone diazonium cations. *Electrochemistry Communications*, **2009**, 11, 405-408	5.1	31
95	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		30
94	Oxygen electroreduction on anthraquinone-modified nickel electrodes in alkaline solution. *Electrochemistry Communications*, **2007**, 9, 1196-1201	5.1	30
93	Oxygen Electroreduction on Electrodeposited PdAu Nanoalloys. *Electrocatalysis*, **2015**, 6, 77-85	2.7	29
92	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	5.8	29
91	Platinum nanoparticles photo-deposited on SnO2-C composites: An active and durable electrocatalyst for the oxygen reduction reaction. *Electrochimica Acta*, **2019**, 316, 162-172	6.7	28
90	Electroreduction of oxygen in alkaline solution on iron phthalocyanine modified carbide-derived carbons. *Electrochimica Acta*, **2019**, 299, 999-1010	6.7	26
89	Electrochemical Behaviour of HOPG and CVD-Grown Graphene Electrodes Modified with Thick Anthraquinone Films by Diazonium Reduction. *Electroanalysis*, **2014**, 26, 2619-2630	3	26
88	Electroreduction of oxygen on nitrogen-doped graphene oxide supported silver nanoparticles. *Journal of Electroanalytical Chemistry*, **2017**, 794, 197-203	4.1	25
87	Oxygen electroreduction on carbon-supported Pd nanocubes in acid solutions. *Electrochimica Acta*, **2016**, 188, 301-308	6.7	25
86	Sulphur and nitrogen co-doped graphene-based electrocatalysts for oxygen reduction reaction in alkaline medium. *Electrochemistry Communications*, **2019**, 109, 106603	5.1	25
85	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	6.7	25

84	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	8.1	25
83	Loading effect of carbon-supported platinum nanocubes on oxygen electroreduction. *Electrochimica Acta*, **2017**, 251, 155-166	6.7	24
82	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	6.1	23
81	Enhanced Oxygen Reduction Reaction Activity with Electrodeposited Ag on Manganese Oxide□Graphene Supported Electrocatalyst. *Electrocatalysis*, **2015**, 6, 465-471	2.7	22
80	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	6.7	22
79	Oxygen reduction on graphene sheets functionalised by anthraquinone diazonium compound during electrochemical exfoliation of graphite. *Electrochimica Acta*, **2018**, 267, 246-254	6.7	22
78	Electroreduction of oxygen on gold-supported thin Pt films in acid solutions. *Journal of Electroanalytical Chemistry*, **2008**, 624, 144-150	4.1	22
77	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	9.3	22
76	Transition metal phthalocyanine-modified shungite-based cathode catalysts for alkaline membrane fuel cell. *International Journal of Hydrogen Energy*, **2021**, 46, 4365-4377	6.7	21
75	Blocking properties of gold electrodes modified with 4-nitrophenyl and 4-decylphenyl groups. *Journal of Solid State Electrochemistry*, **2012**, 16, 569-578	2.6	20
74	Electrocatalysis of oxygen reduction on electrodeposited Pd coatings on gold. *Journal of Electroanalytical Chemistry*, **2013**, 691, 35-41	4.1	20
73	Electroreduction of oxygen on cobalt phthalocyanine-modified carbide-derived carbon/carbon nanotube composite catalysts. *Journal of Solid State Electrochemistry*, **2021**, 25, 57-71	2.6	20
72	Oxygen reduction on electrodeposited silver catalysts in alkaline solution. *Journal of Solid State Electrochemistry*, **2018**, 22, 81-89	2.6	20
71	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	2.6	19
70	Surface and electrochemical characterisation of CVD grown graphene sheets. *Electrochemistry Communications*, **2013**, 35, 26-29	5.1	19
69	Electrocatalysts for oxygen reduction reaction based on electrospun polyacrylonitrile, styrene□crylonitrile copolymer and carbon nanotube composite fibres. *Journal of Materials Science* , **2019**, 54, 11618-11634	4.3	18
68	Electrochemical behaviour of glassy carbon electrodes modified with aryl groups. *Electrochimica Acta*, **2010**, 56, 166-173	6.7	18
67	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	3.3	18

66	Electrospun Polyacrylonitrile-Derived Co or Fe Containing Nanofibre Catalysts for Oxygen Reduction Reaction at the Alkaline Membrane Fuel Cell Cathode. *ChemCatChem*, **2020**, 12, 4568-4581	5.2	17
65	Oxygen reduction reaction on electrochemically deposited silver nanoparticles from non-aqueous solution. *Journal of Electroanalytical Chemistry*, **2018**, 810, 129-134	4.1	17
64	Oxygen Reduction on Fe- and Co-Containing Nitrogen-Doped Nanocarbons. *ChemElectroChem*, **2018**, 5, 2002-2009	4.3	17
63	Polymer-derived Co/NiSiOC(N) ceramic electrocatalysts for oxygen reduction reaction in fuel cells. *Catalysis Science and Technology*, **2019**, 9, 854-866	5.5	16
62	Versatile charge transfer through anthraquinone films for electrochemical sensing applications. *Electrochimica Acta*, **2011**, 56, 8926-8933	6.7	16
61	Electrochemical properties of aryl-modified gold electrodes. *Journal of Electroanalytical Chemistry*, **2010**, 641, 90-98	4.1	16
60	Bifunctional Oxygen Electrocatalysis on Mixed Metal Phthalocyanine-Modified Carbon Nanotubes Prepared via Pyrolysis. *ACS Applied Materials & Interfaces*, **2021**, 13, 41507-41516	9.5	16
59	Oxygen reduction on thick anthraquinone films electrografted to glassy carbon. *Journal of Electroanalytical Chemistry*, **2013**, 702, 8-14	4.1	15
58	Blocking Behavior of Covalently Attached Anthraquinone Towards Solution-Based Redox Probes. *Electroanalysis*, **2010**, 22, 513-518	3	15
57	Electrochemical behaviour of nickel electrodes modified with nitrophenyl groups. *Electrochemistry Communications*, **2007**, 9, 2412-2417	5.1	15
56	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	4.1	15
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53	Electrografting and morphological studies of chemical vapour deposition grown graphene sheets modified by electroreduction of aryldiazonium salts. *Electrochimica Acta*, **2015**, 161, 195-204	6.7	14
52	A study of glassy carbon electrodes modified with azobenzene derivatives. *Journal of Electroanalytical Chemistry*, **2012**, 686, 46-53	4.1	14
51	Fused Hybrid Linkers for Metal–Organic Framework-Derived Bifunctional Oxygen Electrocatalysts. *ACS Applied Energy Materials*, **2020**, 3, 152-157	6.1	14
50	Platinum nanoparticles supported on nitrobenzene-functionalised graphene nanosheets as electrocatalysts for oxygen reduction reaction in alkaline media. *Electrochemistry Communications*, **2017**, 81, 79-83	5.1	13
49	Platinum Particles Electrochemically Deposited on Multiwalled Carbon Nanotubes for Oxygen Reduction Reaction in Acid Media. *Journal of the Electrochemical Society*, **2017**, 164, F1014-F1021	3.9	13

48	Kinetics of oxygen reduction on gold nanoparticle/multi-walled carbon nanotube hybrid electrodes in acid media. *Journal of Electroanalytical Chemistry*, **2010**, 642, 6-12	4.1	13
47	Electroreduction of Oxygen on PdPt Alloy Nanocubes in Alkaline and Acidic Media. *ChemElectroChem*, **2017**, 4, 2547-2555	4.3	12
46	Oxygen Reduction on Anthraquinone Diazonium Compound Derivatised Multi-walled Carbon Nanotube and Graphene Based Electrodes. *Electroanalysis*, **2017**, 29, 548-558	3	12
45	Electrochemical behaviour of ABTS on aryl-modified glassy carbon electrodes. *Journal of Electroanalytical Chemistry*, **2011**, 661, 343-350	4.1	12
44	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	3.9	12
43	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	4.1	11
42	Electrochemical modification of gold electrodes with azobenzene derivatives by diazonium reduction. *ChemPhysChem*, **2013**, 14, 1043-54	3.2	11
41	Investigation of the oxidation ability of protected hydrazine derivatives. *Journal of Chemical Research*, **2005**, 2005, 661-662	0.6	11
40	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	5.1	11
39	Oxygen Reduction on Catalysts Prepared by Pyrolysis of Electrospun Styrene–Acrylonitrile Copolymer and Multi-walled Carbon Nanotube Composite Fibres. *Catalysis Letters*, **2018**, 148, 1815-1826	2.8	10
38	Oxygen Electroreduction in Alkaline Solution on Pd Coatings Prepared by Galvanic Exchange of Copper. *Electrocatalysis*, **2018**, 9, 400-408	2.7	10
37	Oxygen Electroreduction on Pt Nanoparticles Deposited on Reduced Graphene Oxide and N-doped Reduced Graphene Oxide Prepared by Plasma-assisted Synthesis in Aqueous Solution. *ChemElectroChem*, **2018**, 5, 2902-2911	4.3	10
36	Oxygen Electroreduction on Zinc and Dilithium Phthalocyanine Modified Multiwalled Carbon Nanotubes in Alkaline Media. *Journal of the Electrochemical Society*, **2017**, 164, H338-H344	3.9	9
35	Electroreduction of Oxygen on Carbide-Derived Carbon Supported Pd Catalysts. *ChemElectroChem*, **2020**, 7, 546-554	4.3	9
34	Thermal preparation of thin platinum coatings and their electrochemical and atomic force microscopic characterization. *Applied Surface Science*, **2000**, 156, 135-142	6.7	8
33	Electrochemical properties of gold and glassy carbon electrodes electrografted with an anthraquinone diazonium compound using the rotating disc electrode method. *RSC Advances*, **2016**, 6, 40982-40990	3.7	8
32	Surface and electrochemical characterization of aryl films grafted on polycrystalline copper from the diazonium compounds using the rotating disk electrode method. *Journal of Electroanalytical Chemistry*, **2018**, 817, 89-100	4.1	7
31	Electroreduction of oxygen on Nafion® -coated thin platinum films in acid media. *Journal of Electroanalytical Chemistry*, **2019**, 848, 113292	4.1	7

30	Preparation and characterization of platinum coatings for long life-time BOD biosensor. *Sensors and Actuators B: Chemical*, **1998**, 47, 21-29	8.5	7
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