VÃ¤ino Sammelselg

List of Publications by Year
in descending order

192 papers	6,552 citations	53751 45 h-index	91828 69 g-index
192 all docs	192 docs citations	192 times ranked	6752 citing authors

#	Article	IF	Citations
1	Influence of substrate temperature on atomic layer growth and properties of HfO2 thin films. Thin Solid Films, 1999, 340, 110-116.	0.8	276
2	Morphology and structure of TiO2 thin films grown by atomic layer deposition. Journal of Crystal Growth, 1995, 148, 268-275.	0.7	275
3	Effect of crystal structure on optical properties of TiO2 films grown by atomic layer deposition. Thin Solid Films, 1997, 305, 270-273.	0.8	254
4	Atomic Layer Deposition of Iridium Thin Films. Journal of the Electrochemical Society, 2004, 151, G489.	1.3	135
5	Texture development in nanocrystalline hafnium dioxide thin films grown by atomic layer deposition. Journal of Crystal Growth, 2000, 220, 105-113.	0.7	117
6	Anomalous effect of temperature on atomic layer deposition of titanium dioxide. Journal of Crystal Growth, 2000, 220, 531-537.	0.7	115
7	Antennal sensilla of the ground beetle Bembidion properans Steph. (Coleoptera, Carabidae). Micron, 2002, 33, 429-440.	1.1	114
8	Properties of tantalum oxide thin films grown by atomic layer deposition. Thin Solid Films, 1995, 260, 135-142.	0.8	111
9	Electrocatalytic oxygen reduction on silver nanoparticle/multi-walled carbon nanotube modified glassy carbon electrodes in alkaline solution. Electrochemistry Communications, 2012, 20, 15-18.	2.3	109
10	Graphene oxide-reinforced aluminum alloy matrix composite materials fabricated by powder metallurgy. Journal of Alloys and Compounds, 2017, 698, 807-813.	2.8	104
11	Development of a thin ceramic-graphene nanolaminate coating for corrosion protection of stainless steel. Corrosion Science, 2016, 105, 161-169.	3.0	100
12	Influence of structure development on atomic layer deposition of TiO2 thin films. Applied Surface Science, 2001, 181, 339-348.	3.1	92
13	Oxygen reduction on graphene-supported MN4 macrocycles in alkaline media. Electrochemistry Communications, 2013, 33, 18-22.	2.3	92
14	Growth kinetics and structure formation of ZrO2 thin films in chloride-based atomic layer deposition process. Thin Solid Films, 2002, 408, 97-103.	0.8	90
15	TiO2 thin films by atomic layer deposition: a case of uneven growth at low temperature. Applied Surface Science, 1998, 134, 78-86.	3.1	85
16	Gas sensing properties of epitaxial SnO2 thin films prepared by atomic layer deposition. Sensors and Actuators B: Chemical, 2003, 93, 552-555.	4.0	85
17	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
18	Electrochemical reduction of oxygen on thin-film Au electrodes in acid solution. Electrochemistry Communications, 2001, 3, 446-450.	2.3	77

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19	Effect of purification of carbon nanotubes on their electrocatalytic properties for oxygen reduction in acid solution. Carbon, 2011, 49, 4031-4039.	5.4	76
20	Atomic layer deposition of TiO2 thin films from TiI4 and H2O. Applied Surface Science, 2002, 193, 277-286.	3.1	75
21	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.	10.8	72
22	Characterization of titanium dioxide atomic layer growth from titanium ethoxide and water. Thin Solid Films, 2000, 370, 163-172.	0.8	71
23	Control of thin film structure by reactant pressure in atomic layer deposition of TiO2. Journal of Crystal Growth, 1996, 169, 496-502.	0.7	68
24	Electrochemical properties of nanoporous carbon electrodes in various nonaqueous electrolytes. Journal of Solid State Electrochemistry, 2003, 7, 91-105.	1.2	67
25	Antennal sensilla of the ground beetlePlatynus dorsalis (Pontoppidan, 1763) (Coleoptera, carabidae). Microscopy Research and Technique, 2001, 55, 339-349.	1.2	65
26	Atomic layer deposition of TiO2 from TiCl4 and O3. Thin Solid Films, 2013, 542, 100-107.	0.8	64
27	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.	3.8	64
28	Grapheneâ€“polypyrrole thin hybrid corrosion resistant coatings for copper. Synthetic Metals, 2015, 200, 16-23.	2.1	63
29	Cathode Catalysts Based on Cobalt- and Nitrogen-Doped Nanocarbon Composites for Anion Exchange Membrane Fuel Cells. ACS Applied Energy Materials, 2020, 3, 5375-5384.	2.5	61
30	Optomagnetic Nanoplatforms for In Situ Controlled Hyperthermia. Advanced Functional Materials, 2018, 28, 1704434.	7.8	59
31	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.	3.8	58
32	Electrochemical properties of cation sensitive polypyrrole films. Journal of Electroanalytical Chemistry, 1998, 448, 25-31.	1.9	57
33	Antennal sensilla of the ground beetle Bembidion lampros Hbst (Coleoptera, Carabidae). Acta Zoologica, 2001, 81, 339-350.	0.6	56
34	Study of the factors determining the mobility of ions in the polypyrrole films doped with aromatic sulfonate anions. Electrochimica Acta, 2008, 53, 3828-3835.	2.6	54
35	Ironâ€•and Nitrogenâ€Doped Grapheneâ€Based Catalysts for Fuel Cell Applications. ChemElectroChem, 2020, 7, 1739-1747.	1.7	53
36	Atomic-layer chemical vapor deposition of SnO2 for gas-sensing applications. Sensors and Actuators B: Chemical, 2001, 77, 297-300.	4.0	51

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37	An Oxygen Reduction Study of Graphene-Based Nanomaterials of Different Origin. Catalysts, 2016, 6, 108.	1.6	50
38	Electrocatalytic oxygen reduction reaction on iron phthalocyanine-modified carbide-derived carbon/carbon nanotube composite electrocatalysts. Electrochimica Acta, 2020, 334, 135575.	2.6	50
39	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
40	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
41	Effect of growth conditions on formation of TiO2-II thin films in atomic layer deposition process. Journal of Crystal Growth, 1997, 181, 259-264.	0.7	49
42	Electroreduction of oxygen on sputter-deposited Pd nanolayers on multi-walled carbon nanotubes. International Journal of Hydrogen Energy, 2013, 38, 3614-3620.	3.8	48
43	Platinum nanoparticles photo-deposited on SnO2-C composites: An active and durable electrocatalyst for the oxygen reduction reaction. Electrochimica Acta, 2019, 316, 162-172.	2.6	48
44	Sputter-deposited Pt nanoparticle/multi-walled carbon nanotube composite catalyst for oxygen reduction reaction. Journal of Electroanalytical Chemistry, 2013, 708, 31-38.	1.9	47
45	Raman characterization of stacking in multi-layer graphene grownÂonÂNi. Carbon, 2016, 98, 658-665.	5.4	47
46	Nitrogen-doped carbon-based electrocatalysts synthesised by ball-milling. Electrochemistry Communications, 2018, 93, 39-43.	2.3	47
47	Sulphur and nitrogen co-doped graphene-based electrocatalysts for oxygen reduction reaction in alkaline medium. Electrochemistry Communications, 2019, 109, 106603.	2.3	46
48	Analysis of electrochemical impedance of polypyrrole | sulfate and polypyrrole | perchlorate films. Synthetic Metals, 2006, 156, 488-494.	2.1	45
49	Oxygen electroreduction on MN4-macrocycle modified graphene/multi-walled carbon nanotube composites. Journal of Electroanalytical Chemistry, 2015, 756, 69-76.	1.9	45
50	Electrochemical and surface characterisation of gold nanoparticle decorated multi-walled carbon nanotubes. Applied Surface Science, 2010, 256, 3040-3046.	3.1	44
51	Surface roughness of bismuth, antimony and cadmium electrodes. Electrochimica Acta, 1998, 44, 373-383.	2.6	42
52	Composition and thickness determination of thin oxide films: comparison of different programs and methods. Journal of Analytical Atomic Spectrometry, 1999, 14, 523-527.	1.6	42
53	Influence of separator properties on electrochemical performance of electrical double-layer capacitors. Journal of Electroanalytical Chemistry, 2013, 689, 8-20.	1.9	42
54	Electrode reactions in Cuâ€“Pt coated ionic polymer actuators. Sensors and Actuators B: Chemical, 2008, 131, 340-346.	4.0	40

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55	Electrochemical oxygen reduction behaviour of platinum nanoparticles supported on multi-walled carbon nanotube/titanium dioxide composites. Journal of Electroanalytical Chemistry, 2014, 735, 68-76.	1.9	40
56	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.	2.5	40
57	Effects of precursors on nucleation in atomic layer deposition of HfO2. Applied Surface Science, 2004, 230, 292-300.	3.1	39
58	Subtissue Imaging and Thermal Monitoring of Gold Nanorods through Joined Encapsulation with Ndâ€Doped Infraredâ€Emitting Nanoparticles. Small, 2016, 12, 5394-5400.	5.2	37
59	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
60	Electrochemical properties of polypyrrole/sulphate films. Electrochimica Acta, 1997, 42, 2929-2934.	2.6	36
61	Electrophysiological identification of cold receptors on the antennae of the ground beetle Pterostichus aethiops. Physiological Entomology, 2003, 28, 88-96.	0.6	36
62	Engineering structure and properties of hafnium oxide films by atomic layer deposition temperature. Thin Solid Films, 2005, 479, 1-11.	0.8	36
63	The Heterogeneity of Multiwalled and Single-Walled Carbon Nanotubes: Iron Oxide Impurities Can Catalyze the Electrochemical Oxidation of Glucose. Electroanalysis, 2009, 21, 48-51.	1.5	36
64	Electrochemical Reduction of Oxygen on Heat-Treated Pd Nanoparticle/Multi-Walled Carbon Nanotube Composites in Alkaline Solution. Electrocatalysis, 2013, 4, 42-48.	1.5	36
65	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
66	Surface modification of gold electrodes with anthraquinone diazonium cations. Electrochemistry Communications, 2009, 11, 405-408.	2.3	35
67	Oxygen reduction on electrodeposited Pd coatings on glassy carbon. Electrochimica Acta, 2013, 88, 513-518.	2.6	35
68	Oxygen Electroreduction on Electrodeposited PdAu Nanoalloys. Electrocatalysis, 2015, 6, 77-85.	1.5	35
69	Electroreduction of oxygen on nitrogen-doped graphene oxide supported silver nanoparticles. Journal of Electroanalytical Chemistry, 2017, 794, 197-203.	1.9	35
70	On the improvement of stability of polypyrrole films in aqueous solutions. Synthetic Metals, 2007, 157, 485-491.	2.1	33
71	Effective corrosion protection of aluminum alloy AA2024-T3 with novel thin nanostructured oxide coating. Surface and Coatings Technology, 2021, 411, 126993.	2.2	32
72	Atomic layer deposition of Cr2O3 thin films: Effect of crystallization on growth and properties. Applied Surface Science, 2008, 254, 5149-5156.	3.1	31

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73	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
74	Atomic layer deposition of high-quality Al2O3 and Al-doped TiO2 thin films from hydrogen-free precursors. Thin Solid Films, 2014, 565, 19-24.	0.8	31
75	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.	1.8	31
76	Influence of surface pretreatment of bismuth and cadmium electrodes to the electric double layer and adsorption characteristics of organic compounds. Electrochimica Acta, 1997, 42, 2861-2879.	2.6	30
77	Influence of charge density and electrolyte concentration on the electrical double layer characteristics at rough cadmium electrodes. Electrochimica Acta, 2000, 46, 185-191.	2.6	30
78	Atomic layer deposition of HfO2: Effect of structure development on growth rate, morphology and optical properties of thin films. Applied Surface Science, 2010, 257, 1043-1052.	3.1	30
79	Discontinuity and misorientation of graphene grown on nickel foil: Effect of the substrate crystallographic orientation. Carbon, 2015, 94, 160-173.	5.4	30
80	Polymer-derived Co/Niâ€“SiOC(N) ceramic electrocatalysts for oxygen reduction reaction in fuel cells. Catalysis Science and Technology, 2019, 9, 854-866.	2.1	30
81	Electrochemical Behaviour of HOPG and CVDâ€Grown Graphene Electrodes Modified with Thick Anthraquinone Films by Diazonium Reduction. Electroanalysis, 2014, 26, 2619-2630.	1.5	29
82	Influence of ion-exchange on the electrochemical properties of polypyrrole films. Electrochimica Acta, 2014, 122, 79-86.	2.6	29
83	Oxygen reduction on electrodeposited silver catalysts in alkaline solution. Journal of Solid State Electrochemistry, 2018, 22, 81-89.	1.2	29
84	Coulomb drag propulsion experiments of ESTCube-2 and FORESAIL-1. Acta Astronautica, 2020, 177, 771-783.	1.7	29
85	Influence of carrier gas pressure and flow rate on atomic layer deposition of HfO2 and ZrO2 thin films. Applied Surface Science, 2006, 252, 5723-5734.	3.1	28
86	Temperature induced inversion of oxygen response in CVD graphene on SiO2. Sensors and Actuators B: Chemical, 2014, 190, 1006-1013.	4.0	28
87	Oxygen reduction reaction on thin-film Ag electrodes in alkaline solution. Electrochimica Acta, 2019, 325, 134922.	2.6	28
88	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.	1.7	28
89	Enhanced Oxygen Reduction Reaction Activity with Electrodeposited Ag on Manganese Oxideâ€“Graphene Supported Electrocatalyst. Electrocatalysis, 2015, 6, 465-471.	1.5	27
90	Blocking properties of gold electrodes modified with 4-nitrophenyl and 4-decylphenyl groups. Journal of Solid State Electrochemistry, 2012, 16, 569-578.	1.2	26

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91	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.	3.8	26
92	Chemical resistance of thin film materials based on metal oxides grown by atomic layer deposition. Thin Solid Films, 2013, 542, 219-224.	0.8	24
93	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.	1.2	24
94	Oxygen reduction reaction on electrochemically deposited silver nanoparticles from non-aqueous solution. Journal of Electroanalytical Chemistry, 2018, 810, 129-134.	1.9	23
95	Effects of N and O groups for oxygen reduction reaction on one- and two-dimensional carbonaceous materials. Electrochimica Acta, 2020, 344, 136052.	2.6	23
96	A comparison of redox processes for polypyrrole/dodecylsulfate films in aqueous and non-aqueous media. Journal of Solid State Electrochemistry, 2001, 5, 265-273.	1.2	22
97	Surface and electrochemical characterisation of CVD grown graphene sheets. Electrochemistry Communications, 2013, 35, 26-29.	2.3	22
98	Electrocatalysis of oxygen reduction on electrodeposited Pd coatings on gold. Journal of Electroanalytical Chemistry, 2013, 691, 35-41.	1.9	22
99	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.	1.3	22
100	Characterization of glucose oxidase immobilization onto mica carrier by atomic force microscopy and kinetic studies. New Biotechnology, 2002, 19, 195-199.	2.7	21
101	Nanoepitaxy of SnO2 on Î±-Al2O3(012). Surface Science, 2003, 532-535, 514-518.	0.8	21
102	Electrografting and morphological studies of chemical vapour deposition grown graphene sheets modified by electroreduction of aryldiazonium salts. Electrochimica Acta, 2015, 161, 195-204.	2.6	21
103	A systematic study of the electrochemical determination of hydrogen peroxide at single-walled carbon nanotube ensemble networks. Electrochemistry Communications, 2008, 10, 1872-1875.	2.3	20
104	Atomic layer deposition of HfO2 on graphene from HfCl4 and H2O. Open Physics, 2011, 9, 319-324.	0.8	20
105	Graphene Nanoplatelets Based Protective and Functionalizing Coating for Stainless Steel. Journal of Nanoscience and Nanotechnology, 2015, 15, 6747-6750.	0.9	20
106	Comparison of concentration dependence of relative fluorescence quantum yield and brightness in first biological window of wavelengths for aqueous colloidal solutions of Nd3+: LaF3 and Nd3+: KY3F10 nanocrystals synthesized by microwave-hydrothermal treatment. Journal of Alloys and Compounds, 2018, 756, 182-192.	2.8	20
107	Oxygen Reduction on Feâ€•and Coâ€Containing Nitrogenâ€Doped Nanocarbons. ChemElectroChem, 2018, 5, 2002-2009.	1.7	20
108	Redox properties of polypyrrole bilayers. Electrochimica Acta, 2001, 46, 4105-4112.	2.6	19

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109	Electrochemical properties of porphyrin-doped polypyrrole films. Journal of Electroanalytical Chemistry, 2005, 575, 267-273.	1.9	19
110	Relation of Crystallinity and Fluorescent Properties of LaF₃ :Nd³⁺ Nanoparticles Synthesized with Different Water-Based Techniques. ChemistrySelect, 2017, 2, 4874-4881.	0.7	19
111	Platinum Particles Electrochemically Deposited on Multiwalled Carbon Nanotubes for Oxygen Reduction Reaction in Acid Media. Journal of the Electrochemical Society, 2017, 164, F1014-F1021.	1.3	19
112	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
113	Fused Hybrid Linkers for Metalâ€“Organic Framework-Derived Bifunctional Oxygen Electrocatalysts. ACS Applied Energy Materials, 2020, 3, 152-157.	2.5	19
114	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.	1.9	19
115	Comparative study of low-temperature chloride atomic-layer chemical vapor deposition of TiO2 and SnO2. Applied Surface Science, 2001, 175-176, 111-116.	3.1	18
116	Electrochemical behaviour of nickel electrodes modified with nitrophenyl groups. Electrochemistry Communications, 2007, 9, 2412-2417.	2.3	18
117	Structural characterization of TiO2â€“Cr2O3 nanolaminates grown by atomic layer deposition. Surface and Coatings Technology, 2010, 204, 2015-2018.	2.2	18
118	Characterisation of steam-treated nanoporous carbide-derived carbon of TiC origin: structure and enhanced electrochemical performance. Journal of Porous Materials, 2018, 25, 1057-1070.	1.3	18
119	Electrochemical properties of aryl-modified gold electrodes. Journal of Electroanalytical Chemistry, 2010, 641, 90-98.	1.9	17
120	Influence of process parameters on atomic layer deposition of ZrO2 thin films from CpZr(NMe2)3 and H2O. Thin Solid Films, 2014, 565, 37-44.	0.8	17
121	Oxygen reduction on silver catalysts electrodeposited on various nanocarbon supports. SN Applied Sciences, 2021, 3, 1.	1.5	17
122	Potentiometric properties of polypyrrole bilayers. Electrochimica Acta, 2004, 49, 1767-1774.	2.6	16
123	XPS and AFM investigation of hafnium dioxide thin films prepared by atomic layer deposition on silicon. Journal of Electron Spectroscopy and Related Phenomena, 2007, 156-158, 150-154.	0.8	16
124	AFM study of the adsorption of pyrrole and formation of the polypyrrole film on gold surface. Electrochemistry Communications, 2010, 12, 854-858.	2.3	16
125	Platinum nanoparticles supported on nitrobenzene-functionalised graphene nanosheets as electrocatalysts for oxygen reduction reaction in alkaline media. Electrochemistry Communications, 2017, 81, 79-83.	2.3	16
126	Bifunctional multi-metallic nitrogen-doped nanocarbon catalysts derived from 5-methylresorcinol. Electrochemistry Communications, 2021, 124, 106932.	2.3	16

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127	Atomic layer deposition and characterization of zirconium oxideâ€“erbium oxide nanolaminates. Thin Solid Films, 2010, 519, 666-673.	0.8	14
128	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.	1.7	14
129	Study of Thin Oxide Films by Electron, Ion and Synchrotron Radiation Beams. Mikrochimica Acta, 2002, 139, 165-169.	2.5	13
130	Effect of phase composition on X-ray absorption spectra of ZrO2 thin films. Journal of Electron Spectroscopy and Related Phenomena, 2007, 156-158, 303-306.	0.8	13
131	Electrochemical Modification of Gold Electrodes with Azobenzene Derivatives by Diazonium Reduction. ChemPhysChem, 2013, 14, 1043-1054.	1.0	13
132	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.	1.4	13
133	Oxygen Electroreduction in Alkaline Solution on Pd Coatings Prepared by Galvanic Exchange of Copper. Electrocatalysis, 2018, 9, 400-408.	1.5	13
134	Oxygen Reduction on Silver Nanoparticles Supported on Carbide-Derived Carbons. Journal of the Electrochemical Society, 2018, 165, F1199-F1205.	1.3	13
135	Effect of Annealing on Structural, Textural, Thermal, Magnetic, and Luminescence Properties of Calcium Fluoride Nanoparticles. Physics of the Solid State, 2019, 61, 2200-2217.	0.2	13
136	Platinum Sputtered on Nb-doped TiO₂ Films Prepared by ALD: Highly Active and Durable Carbon-free ORR Electrocatalyst. Journal of the Electrochemical Society, 2020, 167, 164505.	1.3	13
137	Influence of Surface Charge Density on the Electrochemically Derived Surface Roughness of Bi Electrodes. Journal of the Electrochemical Society, 2003, 150, E175.	1.3	12
138	Formation of nanometric polypyrrole films on Au (1 1 1): A STM, SEM and XPS study. Synthetic Metals, 2012, 162, 162-170.	2.1	12
139	Bismuth microelectrode system with in situ renewable surface for electroanalysis and adsorption studies. Electrochemistry Communications, 2008, 10, 1008-1011.	2.3	11
140	Sensitivity of CoWO4 thin films to CO. Procedia Engineering, 2010, 5, 160-163.	1.2	11
141	Atomic Layer Deposition and Characterization of Erbium Oxide-Doped Zirconium Oxide Thin Films. Journal of the Electrochemical Society, 2010, 157, G193.	1.3	11
142	Oxygen Electroreduction on Zinc and Dilithium Phthalocyanine Modified Multiwalled Carbon Nanotubes in Alkaline Media. Journal of the Electrochemical Society, 2017, 164, H338-H344.	1.3	11
143	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.	1.9	11
144	Chemical resistance of TiO2 and Al2O3 single-layer and multilayer coatings atomic layer deposited from hydrogen-free precursors on silicon and stainless steel. Materials Chemistry and Physics, 2019, 228, 285-292.	2.0	11

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145	‹title›Atomic scale optical monitoring of the initial growth of TiO2 thin films‹/title›. , 2001, 4318, 72.		10
146	Luminescence spectroscopy of nanocrystalline MgO. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2669-2672.	0.8	10
147	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.	1.7	10
148	Electroreduction of Oxygen on Carbideâ€Derived Carbon Supported Pd Catalysts. ChemElectroChem, 2020, 7, 546-554.	1.7	10
149	High-performance microporous carbon from deciduous wood-origin metal carbide. Microporous and Mesoporous Materials, 2019, 278, 14-22.	2.2	9
150	Investigation of the surface topography and double layer characteristics of variously pre-treated antimony single crystal electrodes. Surface Science, 2003, 532-535, 1121-1126.	0.8	8
151	Redoping â€" A simple way to enhance the redoxcapacity of polypyrrole films. Electrochemistry Communications, 2010, 12, 1180-1183.	2.3	8
152	Polymorphic Behavior and Morphology of Electrospun Poly(Vinylidene Fluoride) Separator Materials for Non-Aqueous Electrolyte Based Electric Double Layer Capacitors. ECS Transactions, 2013, 50, 49-58.	0.3	8
153	Atomic layer deposition of Zr‹scp›O‹/scp›‹sub›2‹/sub› for grapheneâ€based multilayer structures: ‹i›In situ‹/i› and ‹i›ex situ‹/i› characterization of growth process. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 397-402.	0.8	8
154	Multimodal upconversion CaF2:Mn/Yb/Er/Si nanoparticles. Journal of Fluorine Chemistry, 2020, 231, 109457.	0.9	8
155	Oxygen reduction reaction on Pd nanocatalysts prepared by plasma-assisted synthesis on different carbon nanomaterials. Nanotechnology, 2021, 32, 035401.	1.3	8
156	Nature of ion sensitivity of polypyrrole electrodes. Journal of Electroanalytical Chemistry, 1996, 414, 149-158.	1.9	7
157	Chemical functionalization of a polyvinylidene fluoride surface. Polymer Journal, 2013, 45, 313-317.	1.3	7
158	Raman modes in transferred bilayer CVD graphene. Open Physics, 2015, 13, .	0.8	7
159	Atomic-layer-deposited TiO 2 dielectric coatings. , 1997, 2967, 245.		6
160	Functionalization of Titanium Alloy Surface by Graphene Nanoplatelets and Metal Oxides: Corrosion Inhibition. Journal of Nanoscience and Nanotechnology, 2015, 15, 6533-6540.	0.9	6
161	Estimation of uncertainty in electron probe microanalysis: iron determination in manuscripts, a case study. Mikrochimica Acta, 2008, 162, 313-323.	2.5	5
162	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

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163	Electron Probe Microanalysis of HfO2 Thin Films on Conductive and Insulating Substrates. Mikrochimica Acta, 2006, 155, 195-198.	2.5	4
164	Soft chemical synthesis and luminescent properties of Na3Al2Li3F12:Mn4+ garnet-type nanophosphor. Optical Materials, 2019, 89, 340-343.	1.7	4
165	Nanostructured Coating for Aluminum Alloys Used in Aerospace Applications. Journal of the Electrochemical Society, 2022, 169, 071503.	1.3	4
166	Structural and discharging properties of MgO thin films prepared by pulsed laser deposition. Thin Solid Films, 2010, 519, 846-851.	0.8	3
167	Al alloy protection via ultra-thin ceramic coatings and different surface pretreatments. Surface and Coatings Technology, 2022, 435, 128240.	2.2	3
168	Exoemissive noise activity of different metallic materials. Review of Scientific Instruments, 1996, 67, 3951-3953.	0.6	2
169	Spectral and temporal characteristics of photostimulated exoemission from coldworked metals. Applied Surface Science, 1998, 136, 55-61.	3.1	2
170	Fowler-nordheim tunnelling in Auâˆ’TiO2âˆ’Ag film structures. Open Physics, 2004, 2, .	0.8	2
171	<title>Influence of annealing on atomic layer deposited Cr<formula><inf><roman>2</roman></inf></formula>O<formula><inf><roman>3</roman></inf></formula>-TiO<formula><inf><roman>2</roman></inf></formula> thin films</title>. , 2006, , .		2
172	High oxygen reduction reaction activity and durability of Pt catalyst photo-deposited on SnO2-coated and uncoated multi-walled carbon nanotubes. Journal of Electroanalytical Chemistry, 2021, 896, 115147.	1.9	2
173	C-plane chromia onc-plane sapphire. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 1472-1475.	0.8	1
174	Prussian Blue Modified Solid Carbon Nanorod Whisker Paste Composite Electrodes: Evaluation towards the Electroanalytical Sensing ofH2O2. International Journal of Electrochemistry, 2012, 2012, 1-7.	2.4	1
175	The dopant concentration profiles in PPy/DDS/Cl and PPy/Cl/DDS bilayers. Synthetic Metals, 2013, 181, 123-128.	2.1	1
176	Transition Metal and Nitrogen-Doped Carbide-Derived Carbon/Carbon Nanotube Composites As Cathode Catalysts for Anion-Exchange Membrane Fuel Cells. ECS Meeting Abstracts, 2021, MA2021-02, 1213-1213.	0.0	1
177	Electrical and Gas Sensing Properties of Cr2O3-TiO2 Thin Films made by Pulsed Laser Deposition. , 2006, , .		0
178	Oxygen Reduction on Graphene-Based Materials of Different Origin. ECS Meeting Abstracts, 2016, , .	0.0	0
179	Thin Metal Oxide Coatings for Lightweight Alloys. ECS Meeting Abstracts, 2016, , .	0.0	0
180	Corrosion Protective Graphene-Oxide Composite Coating for Metal Alloys. ECS Meeting Abstracts, 2016, , .	0.0	0

#	Article	IF	Citations
181	A Comparative Study of Graphene-like Materials with and without Heteroatom Doping. ECS Meeting Abstracts, 2017, , .	0.0	0
182	Carbon-Based Catalysts for Oxygen Reduction Prepared By Ball Milling. ECS Meeting Abstracts, 2018, , .	0.0	0
183	Electroreduction of Oxygen on Carbide-Derived Carbon Supported Pd Catalysts. ECS Meeting Abstracts, 2019, , .	0.0	0
184	Fused Hybrid Linkers for Metalâ€“Organic Frameworks-Derived Bifunctional Oxygen Electrocatalysts. ECS Meeting Abstracts, 2020, MA2020-01, 1577-1577.	0.0	0
185	Nitrogen-Doped Carbide-Derived Carbon/Carbon Nanotube Composites As Cathode Catalysts for Anion Exchange Membrane Fuel Cell Application. ECS Meeting Abstracts, 2020, MA2020-02, 2390-2390.	0.0	0
186	The Effect of Ball-Milling on the Oxygen Reduction Reaction Activity of Iron and Nitrogen Co-Doped Carbide-Derived Carbon Catalysts in Acid Media. ECS Meeting Abstracts, 2020, MA2020-02, 2269-2269.	0.0	0
187	Iron and Nitrogen-Doped Graphene As Cathode Catalyst for Anion Exchange Membrane Fuel Cell. ECS Meeting Abstracts, 2020, MA2020-02, 2393-2393.	0.0	0
188	Electrocatalysts Based on Cobalt- and Nitrogen-Doped Nanocarbon Composites for Oxygen Reduction Reaction and Anion Exchange Membrane Fuel Cells. ECS Meeting Abstracts, 2020, MA2020-02, 2396-2396.	0.0	0
189	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
190	Electrospun Polyacrylonitrile, Styreneâ€“Acrylonitrile Copolymer and Carbon Nanotube Composite Fiber Based Oxygen Reduction Catalysts. ECS Meeting Abstracts, 2020, MA2020-02, 2360-2360.	0.0	0
191	Polyacrylonitrileâ€Derived Co or Fe Containing Nanofibre Catalysts Prepared Via Electrispinning for Alkaline Membrane Fuel Cell Cathode. ECS Meeting Abstracts, 2021, MA2021-02, 1214-1214.	0.0	0
192	Fe- and Co-Containing Nitrogen-Doped Nanocarbon Catalysts from 5-Methylresorcinol for Anion Exchange Membrane Fuel Cells. ECS Meeting Abstracts, 2022, MA2022-01, 1418-1418.	0.0	0