

VÃrino Sammelselg

List of Publications by Year in descending order

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192
papers

6,552
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53751

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192
times ranked

6752
citing authors

#	ARTICLE	IF	CITATIONS
1	Al alloy protection via ultra-thin ceramic coatings and different surface pretreatments. <i>Surface and Coatings Technology</i> , 2022, 435, 128240.	2.2	3
2	Nanostructured Coating for Aluminum Alloys Used in Aerospace Applications. <i>Journal of the Electrochemical Society</i> , 2022, 169, 071503.	1.3	4
3	Fe- and Co-Containing Nitrogen-Doped Nanocarbon Catalysts from 5-Methylresorcinol for Anion Exchange Membrane Fuel Cells. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 1418-1418.	0.0	0
4	Electroreduction of oxygen on cobalt phthalocyanine-modified carbide-derived carbon/carbon nanotube composite catalysts. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 57-71.	1.2	37
5	Transition metal-containing nitrogen-doped nanocarbon catalysts derived from 5-methylresorcinol for anion exchange membrane fuel cell application. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 263-274.	5.0	50
6	Non-precious metal cathodes for anion exchange membrane fuel cells from ball-milled iron and nitrogen doped carbide-derived carbons. <i>Renewable Energy</i> , 2021, 167, 800-810.	4.3	50
7	Enhanced oxygen reduction reaction activity and durability of Pt nanoparticles deposited on graphene-coated alumina nanofibres. <i>Nanoscale Advances</i> , 2021, 3, 2261-2268.	2.2	5
8	Transition-Metal- and Nitrogen-Doped Carbide-Derived Carbon/Carbon Nanotube Composites as Cathode Catalysts for Anion-Exchange Membrane Fuel Cells. <i>ACS Catalysis</i> , 2021, 11, 1920-1931.	5.5	85
9	Oxygen reduction on silver catalysts electrodeposited on various nanocarbon supports. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	17
10	Bifunctional multi-metallic nitrogen-doped nanocarbon catalysts derived from 5-methylresorcinol. <i>Electrochemistry Communications</i> , 2021, 124, 106932.	2.3	16
11	Effective corrosion protection of aluminum alloy AA2024-T3 with novel thin nanostructured oxide coating. <i>Surface and Coatings Technology</i> , 2021, 411, 126993.	2.2	32
12	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
13	Oxygen reduction reaction on Pd nanocatalysts prepared by plasma-assisted synthesis on different carbon nanomaterials. <i>Nanotechnology</i> , 2021, 32, 035401.	1.3	8
14	Transition Metal and Nitrogen-Doped Carbide-Derived Carbon/Carbon Nanotube Composites As Cathode Catalysts for Anion-Exchange Membrane Fuel Cells. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 1213-1213.	0.0	1
15	Polyacrylonitrile-derived Co or Fe Containing Nanofibre Catalysts Prepared Via Electrispinning for Alkaline Membrane Fuel Cell Cathode. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 1214-1214.	0.0	0
16	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
17	Coulomb drag propulsion experiments of ESTCube-2 and FORESAIL-1. <i>Acta Astronautica</i> , 2020, 177, 771-783.	1.7	29
18	Fused Hybrid Linkers for Metal-Organic Framework-Derived Bifunctional Oxygen Electrocatalysts. <i>ACS Applied Energy Materials</i> , 2020, 3, 152-157.	2.5	19

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19	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
20	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
21	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
22	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
23	Iron- and Nitrogen-Doped Graphene-Based Catalysts for Fuel Cell Applications. <i>ChemElectroChem</i> , 2020, 7, 1739-1747.	1.7	53
24	Electroreduction of Oxygen on Carbide-Derived Carbon Supported Pd Catalysts. <i>ChemElectroChem</i> , 2020, 7, 546-554.	1.7	10
25	Multimodal upconversion CaF ₂ :Mn/Yb/Er/Si nanoparticles. <i>Journal of Fluorine Chemistry</i> , 2020, 231, 109457.	0.9	8
26	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
27	Platinum Sputtered on Nb-doped TiO ₂ Films Prepared by ALD: Highly Active and Durable Carbon-free ORR Electrocatalyst. <i>Journal of the Electrochemical Society</i> , 2020, 167, 164505.	1.3	13
28	Fused Hybrid Linkers for Metal-Organic Frameworks-Derived Bifunctional Oxygen Electrocatalysts. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 1577-1577.	0.0	0
29	Nitrogen-Doped Carbide-Derived Carbon/Carbon Nanotube Composites As Cathode Catalysts for Anion Exchange Membrane Fuel Cell Application. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 2390-2390.	0.0	0
30	The Effect of Ball-Milling on the Oxygen Reduction Reaction Activity of Iron and Nitrogen Co-Doped Carbide-Derived Carbon Catalysts in Acid Media. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 2269-2269.	0.0	0
31	Iron and Nitrogen-Doped Graphene As Cathode Catalyst for Anion Exchange Membrane Fuel Cell. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 2393-2393.	0.0	0
32	Electrocatalysts Based on Cobalt- and Nitrogen-Doped Nanocarbon Composites for Oxygen Reduction Reaction and Anion Exchange Membrane Fuel Cells. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 2396-2396.	0.0	0
33	Transition Metal-Containing Nitrogen-Doped Nanocarbons Derived from 5-Methylresorcinol for Anion Exchange Membrane Fuel Cell Application. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 2361-2361.	0.0	0
34	Electrospun Polyacrylonitrile, Styrene-Acrylonitrile Copolymer and Carbon Nanotube Composite Fiber Based Oxygen Reduction Catalysts. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 2360-2360.	0.0	0
35	Sulphur and nitrogen co-doped graphene-based electrocatalysts for oxygen reduction reaction in alkaline medium. <i>Electrochemistry Communications</i> , 2019, 109, 106603.	2.3	46
36	Effect of Ball-Milling on the Oxygen Reduction Reaction Activity of Iron and Nitrogen Co-doped Carbide-Derived Carbon Catalysts in Acid Media. <i>ACS Applied Energy Materials</i> , 2019, 2, 7952-7962.	2.5	36

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37	Oxygen reduction reaction on thin-film Ag electrodes in alkaline solution. <i>Electrochimica Acta</i> , 2019, 325, 134922.	2.6	28
38	Polymer-derived Co/Ni@SiOC(N) ceramic electrocatalysts for oxygen reduction reaction in fuel cells. <i>Catalysis Science and Technology</i> , 2019, 9, 854-866.	2.1	30
39	Platinum nanoparticles photo-deposited on SnO ₂ -C composites: An active and durable electrocatalyst for the oxygen reduction reaction. <i>Electrochimica Acta</i> , 2019, 316, 162-172.	2.6	48
40	Electrocatalysts for oxygen reduction reaction based on electrospun polyacrylonitrile, styrene-acrylonitrile copolymer and carbon nanotube composite fibres. <i>Journal of Materials Science</i> , 2019, 54, 11618-11634.	1.7	28
41	Chemical resistance of TiO ₂ and Al ₂ O ₃ single-layer and multilayer coatings atomic layer deposited from hydrogen-free precursors on silicon and stainless steel. <i>Materials Chemistry and Physics</i> , 2019, 228, 285-292.	2.0	11
42	Soft chemical synthesis and luminescent properties of Na ₃ Al ₂ Li ₃ F ₁₂ :Mn ⁴⁺ garnet-type nanophosphor. <i>Optical Materials</i> , 2019, 89, 340-343.	1.7	4
43	Effect of Annealing on Structural, Textural, Thermal, Magnetic, and Luminescence Properties of Calcium Fluoride Nanoparticles. <i>Physics of the Solid State</i> , 2019, 61, 2200-2217.	0.2	13
44	Improved ORR Activity and Long-Term Durability of Pt Nanoparticles Deposited on TiO ₂ -Decorated Multiwall Carbon Nanotubes. <i>Journal of the Electrochemical Society</i> , 2019, 166, F1284-F1291.	1.3	22
45	Multi-walled carbon nanotube and carbide-derived carbon supported metal phthalocyanines as cathode catalysts for microbial fuel cell applications. <i>Sustainable Energy and Fuels</i> , 2019, 3, 3525-3537.	2.5	40
46	Electrochemical reduction of oxygen in alkaline solution on Pd/C catalysts prepared by electrodeposition on various carbon nanomaterials. <i>Journal of Electroanalytical Chemistry</i> , 2019, 834, 223-232.	1.9	19
47	High-performance microporous carbon from deciduous wood-origin metal carbide. <i>Microporous and Mesoporous Materials</i> , 2019, 278, 14-22.	2.2	9
48	Electroreduction of Oxygen on Carbide-Derived Carbon Supported Pd Catalysts. <i>ECS Meeting Abstracts</i> , 2019, . .	0.0	0
49	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. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4967-4977.	3.8	26
50	Surface and electrochemical characterization of aryl films grafted on polycrystalline copper from the diazonium compounds using the rotating disk electrode method. <i>Journal of Electroanalytical Chemistry</i> , 2018, 817, 89-100.	1.9	11
51	Optomagnetic Nanoplatforms for In Situ Controlled Hyperthermia. <i>Advanced Functional Materials</i> , 2018, 28, 1704434.	7.8	59
52	Oxygen reduction reaction on electrochemically deposited silver nanoparticles from non-aqueous solution. <i>Journal of Electroanalytical Chemistry</i> , 2018, 810, 129-134.	1.9	23
53	Comparison of concentration dependence of relative fluorescence quantum yield and brightness in first biological window of wavelengths for aqueous colloidal solutions of Nd ³⁺ : LaF ₃ and Nd ³⁺ : KY ₃ F ₁₀ nanocrystals synthesized by microwave-hydrothermal treatment. <i>Journal of Alloys and Compounds</i> , 2018, 756, 182-192.	2.8	20
54	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

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55	Oxygen Reduction on Fe- and Co-Containing Nitrogen-Doped Nanocarbons. ChemElectroChem, 2018, 5, 2002-2009.	1.7	20
56	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
57	Oxygen Electroreduction in Alkaline Solution on Pd Coatings Prepared by Galvanic Exchange of Copper. ElectroCatalysis, 2018, 9, 400-408.	1.5	13
58	Oxygen reduction on electrodeposited silver catalysts in alkaline solution. Journal of Solid State Electrochemistry, 2018, 22, 81-89.	1.2	29
59	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
60	Oxygen Reduction on Silver Nanoparticles Supported on Carbide-Derived Carbons. Journal of the Electrochemical Society, 2018, 165, F1199-F1205.	1.3	13
61	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.	1.7	14
62	Nitrogen-doped carbon-based electrocatalysts synthesised by ball-milling. Electrochemistry Communications, 2018, 93, 39-43.	2.3	47
63	Carbon-Based Catalysts for Oxygen Reduction Prepared By Ball Milling. ECS Meeting Abstracts, 2018, , .	0.0	0
64	Electroreduction of oxygen on nitrogen-doped graphene oxide supported silver nanoparticles. Journal of Electroanalytical Chemistry, 2017, 794, 197-203.	1.9	35
65	Relation of Crystallinity and Fluorescent Properties of LaF ₃ :Nd ³⁺ Nanoparticles Synthesized with Different Water-Based Techniques. ChemistrySelect, 2017, 2, 4874-4881.	0.7	19
66	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
67	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
68	Graphene oxide-reinforced aluminum alloy matrix composite materials fabricated by powder metallurgy. Journal of Alloys and Compounds, 2017, 698, 807-813.	2.8	104
69	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
70	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
71	A Comparative Study of Graphene-like Materials with and without Heteroatom Doping. ECS Meeting Abstracts, 2017, , .	0.0	0
72	An Oxygen Reduction Study of Graphene-Based Nanomaterials of Different Origin. Catalysts, 2016, 6, 108.	1.6	50

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73	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
74	Subtissue Imaging and Thermal Monitoring of Gold Nanorods through Joined Encapsulation with Nd ³⁺ Doped Infrared-Emitting Nanoparticles. Small, 2016, 12, 5394-5400.	5.2	37
75	Raman characterization of stacking in multi-layer graphene grown on Ni. Carbon, 2016, 98, 658-665.	5.4	47
76	Development of a thin ceramic-graphene nanolaminate coating for corrosion protection of stainless steel. Corrosion Science, 2016, 105, 161-169.	3.0	100
77	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
78	Oxygen Reduction on Graphene-Based Materials of Different Origin. ECS Meeting Abstracts, 2016, , .	0.0	0
79	Thin Metal Oxide Coatings for Lightweight Alloys. ECS Meeting Abstracts, 2016, , .	0.0	0
80	Corrosion Protective Graphene-Oxide Composite Coating for Metal Alloys. ECS Meeting Abstracts, 2016, , .	0.0	0
81	Graphene Nanoplatelets Based Protective and Functionalizing Coating for Stainless Steel. Journal of Nanoscience and Nanotechnology, 2015, 15, 6747-6750.	0.9	20
82	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
83	Graphene-polypyrrole thin hybrid corrosion resistant coatings for copper. Synthetic Metals, 2015, 200, 16-23.	2.1	63
84	Electrografting and morphological studies of chemical vapour deposition grown graphene sheets modified by electroreduction of aryl diazonium salts. Electrochimica Acta, 2015, 161, 195-204.	2.6	21
85	Enhanced Oxygen Reduction Reaction Activity with Electrodeposited Ag on Manganese Oxide-Graphene Supported Electrocatalyst. Electrocatalysis, 2015, 6, 465-471.	1.5	27
86	Discontinuity and misorientation of graphene grown on nickel foil: Effect of the substrate crystallographic orientation. Carbon, 2015, 94, 160-173.	5.4	30
87	Raman modes in transferred bilayer CVD graphene. Open Physics, 2015, 13, .	0.8	7
88	Oxygen electroreduction on MN4-macrocycle modified graphene/multi-walled carbon nanotube composites. Journal of Electroanalytical Chemistry, 2015, 756, 69-76.	1.9	45
89	Oxygen Electroreduction on Electrodeposited PdAu Nanoalloys. Electrocatalysis, 2015, 6, 77-85.	1.5	35
90	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

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91	Temperature induced inversion of oxygen response in CVD graphene on SiO ₂ . Sensors and Actuators B: Chemical, 2014, 190, 1006-1013.	4.0	28
92	Atomic layer deposition of ZrO ₂ for graphene-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
93	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
94	Influence of process parameters on atomic layer deposition of ZrO ₂ thin films from CpZr(NMe ₂) ₃ and H ₂ O. Thin Solid Films, 2014, 565, 37-44.	0.8	17
95	Atomic layer deposition of high-quality Al ₂ O ₃ and Al-doped TiO ₂ thin films from hydrogen-free precursors. Thin Solid Films, 2014, 565, 19-24.	0.8	31
96	Influence of ion-exchange on the electrochemical properties of polypyrrole films. Electrochimica Acta, 2014, 122, 79-86.	2.6	29
97	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
98	Surface and electrochemical characterisation of CVD grown graphene sheets. Electrochemistry Communications, 2013, 35, 26-29.	2.3	22
99	Oxygen reduction on graphene-supported MN ₄ macrocycles in alkaline media. Electrochemistry Communications, 2013, 33, 18-22.	2.3	92
100	Atomic layer deposition of TiO ₂ from TiCl ₄ and O ₃ . Thin Solid Films, 2013, 542, 100-107.	0.8	64
101	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
102	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
103	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
104	Electrochemical Modification of Gold Electrodes with Azobenzene Derivatives by Diazonium Reduction. ChemPhysChem, 2013, 14, 1043-1054.	1.0	13
105	Chemical functionalization of a polyvinylidene fluoride surface. Polymer Journal, 2013, 45, 313-317.	1.3	7
106	Electrocatalysis of oxygen reduction on electrodeposited Pd coatings on gold. Journal of Electroanalytical Chemistry, 2013, 691, 35-41.	1.9	22
107	Oxygen reduction on electrodeposited Pd coatings on glassy carbon. Electrochimica Acta, 2013, 88, 513-518.	2.6	35
108	Influence of separator properties on electrochemical performance of electrical double-layer capacitors. Journal of Electroanalytical Chemistry, 2013, 689, 8-20.	1.9	42

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109	The dopant concentration profiles in PPy/DDS/Cl and PPy/Cl/DDS bilayers. <i>Synthetic Metals</i> , 2013, 181, 123-128.	2.1	1
110	Polymorphic Behavior and Morphology of Electrospun Poly(Vinylidene Fluoride) Separator Materials for Non-Aqueous Electrolyte Based Electric Double Layer Capacitors. <i>ECS Transactions</i> , 2013, 50, 49-58.	0.3	8
111	Prussian Blue Modified Solid Carbon Nanorod Whisker Paste Composite Electrodes: Evaluation towards the Electroanalytical Sensing of H ₂ O ₂ . <i>International Journal of Electrochemistry</i> , 2012, 2012, 1-7.	2.4	1
112	Formation of nanometric polypyrrole films on Au (1 1 1): A STM, SEM and XPS study. <i>Synthetic Metals</i> , 2012, 162, 162-170.	2.1	12
113	Electrocatalytic oxygen reduction on silver nanoparticle/multi-walled carbon nanotube modified glassy carbon electrodes in alkaline solution. <i>Electrochemistry Communications</i> , 2012, 20, 15-18.	2.3	109
114	Blocking properties of gold electrodes modified with 4-nitrophenyl and 4-decylphenyl groups. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 569-578.	1.2	26
115	Atomic layer deposition of HfO ₂ on graphene from HfCl ₄ and H ₂ O. <i>Open Physics</i> , 2011, 9, 319-324.	0.8	20
116	Luminescence spectroscopy of nanocrystalline MgO. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 2669-2672.	0.8	10
117	Effect of purification of carbon nanotubes on their electrocatalytic properties for oxygen reduction in acid solution. <i>Carbon</i> , 2011, 49, 4031-4039.	5.4	76
118	Sensitivity of CoWO ₄ thin films to CO. <i>Procedia Engineering</i> , 2010, 5, 160-163.	1.2	11
119	Electrochemical properties of aryl-modified gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2010, 641, 90-98.	1.9	17
120	Atomic layer deposition and characterization of zirconium oxide/erbium oxide nanolaminates. <i>Thin Solid Films</i> , 2010, 519, 666-673.	0.8	14
121	Structural and discharging properties of MgO thin films prepared by pulsed laser deposition. <i>Thin Solid Films</i> , 2010, 519, 846-851.	0.8	3
122	Structural characterization of TiO ₂ /Cr ₂ O ₃ nanolaminates grown by atomic layer deposition. <i>Surface and Coatings Technology</i> , 2010, 204, 2015-2018.	2.2	18
123	Electrochemical and surface characterisation of gold nanoparticle decorated multi-walled carbon nanotubes. <i>Applied Surface Science</i> , 2010, 256, 3040-3046.	3.1	44
124	Atomic layer deposition of HfO ₂ : Effect of structure development on growth rate, morphology and optical properties of thin films. <i>Applied Surface Science</i> , 2010, 257, 1043-1052.	3.1	30
125	AFM study of the adsorption of pyrrole and formation of the polypyrrole film on gold surface. <i>Electrochemistry Communications</i> , 2010, 12, 854-858.	2.3	16
126	Redoping – A simple way to enhance the redoxcapacity of polypyrrole films. <i>Electrochemistry Communications</i> , 2010, 12, 1180-1183.	2.3	8

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127	Atomic Layer Deposition and Characterization of Erbium Oxide-Doped Zirconium Oxide Thin Films. <i>Journal of the Electrochemical Society</i> , 2010, 157, G193.	1.3	11
128	Hydrodynamic Deposition of Carbon Nanotubes onto HOPG: The Reduction of Oxygen on CNT/HOPG Electrodes in Alkaline Solution. <i>Electrochemical and Solid-State Letters</i> , 2009, 12, F31.	2.2	31
129	The Heterogeneity of Multiwalled and Single-Walled Carbon Nanotubes: Iron Oxide Impurities Can Catalyze the Electrochemical Oxidation of Glucose. <i>Electroanalysis</i> , 2009, 21, 48-51.	1.5	36
130	C-plane chromia on c-plane sapphire. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 1472-1475.	0.8	1
131	Surface modification of gold electrodes with anthraquinone diazonium cations. <i>Electrochemistry Communications</i> , 2009, 11, 405-408.	2.3	35
132	Estimation of uncertainty in electron probe microanalysis: iron determination in manuscripts, a case study. <i>Mikrochimica Acta</i> , 2008, 162, 313-323.	2.5	5
133	Electrode reactions in Cu/Pt coated ionic polymer actuators. <i>Sensors and Actuators B: Chemical</i> , 2008, 131, 340-346.	4.0	40
134	Atomic layer deposition of Cr ₂ O ₃ thin films: Effect of crystallization on growth and properties. <i>Applied Surface Science</i> , 2008, 254, 5149-5156.	3.1	31
135	A systematic study of the electrochemical determination of hydrogen peroxide at single-walled carbon nanotube ensemble networks. <i>Electrochemistry Communications</i> , 2008, 10, 1872-1875.	2.3	20
136	Study of the factors determining the mobility of ions in the polypyrrole films doped with aromatic sulfonate anions. <i>Electrochimica Acta</i> , 2008, 53, 3828-3835.	2.6	54
137	Bismuth microelectrode system with in situ renewable surface for electroanalysis and adsorption studies. <i>Electrochemistry Communications</i> , 2008, 10, 1008-1011.	2.3	11
138	On the improvement of stability of polypyrrole films in aqueous solutions. <i>Synthetic Metals</i> , 2007, 157, 485-491.	2.1	33
139	Electrochemical behaviour of nickel electrodes modified with nitrophenyl groups. <i>Electrochemistry Communications</i> , 2007, 9, 2412-2417.	2.3	18
140	Effect of phase composition on X-ray absorption spectra of ZrO ₂ thin films. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2007, 156-158, 303-306.	0.8	13
141	XPS and AFM investigation of hafnium dioxide thin films prepared by atomic layer deposition on silicon. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2007, 156-158, 150-154.	0.8	16
142	Electrical and Gas Sensing Properties of Cr ₂ O ₃ -TiO ₂ Thin Films made by Pulsed Laser Deposition. , 2006, , .		0
143	Analysis of electrochemical impedance of polypyrrole sulfate and polypyrrole perchlorate films. <i>Synthetic Metals</i> , 2006, 156, 488-494.	2.1	45
144	Influence of carrier gas pressure and flow rate on atomic layer deposition of HfO ₂ and ZrO ₂ thin films. <i>Applied Surface Science</i> , 2006, 252, 5723-5734.	3.1	28

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145	Electron Probe Microanalysis of HfO ₂ Thin Films on Conductive and Insulating Substrates. <i>Mikrochimica Acta</i> , 2006, 155, 195-198.	2.5	4
146	<i>Influence of annealing on atomic layer deposited Cr₂O₃-TiO₂ thin films</i> . , 2006, , .		
147	Electrochemical properties of porphyrin-doped polypyrrole films. <i>Journal of Electroanalytical Chemistry</i> , 2005, 575, 267-273.	1.9	19
148	Engineering structure and properties of hafnium oxide films by atomic layer deposition temperature. <i>Thin Solid Films</i> , 2005, 479, 1-11.	0.8	36
149	Fowler-nordheim tunnelling in Au/TiO ₂ /Ag film structures. <i>Open Physics</i> , 2004, 2, .	0.8	2
150	Potentiometric properties of polypyrrole bilayers. <i>Electrochimica Acta</i> , 2004, 49, 1767-1774.	2.6	16
151	Effects of precursors on nucleation in atomic layer deposition of HfO ₂ . <i>Applied Surface Science</i> , 2004, 230, 292-300.	3.1	39
152	Atomic Layer Deposition of Iridium Thin Films. <i>Journal of the Electrochemical Society</i> , 2004, 151, G489.	1.3	135
153	Electrochemical properties of nanoporous carbon electrodes in various nonaqueous electrolytes. <i>Journal of Solid State Electrochemistry</i> , 2003, 7, 91-105.	1.2	67
154	Investigation of the surface topography and double layer characteristics of variously pre-treated antimony single crystal electrodes. <i>Surface Science</i> , 2003, 532-535, 1121-1126.	0.8	8
155	Nanoepitaxy of SnO ₂ on α -Al ₂ O ₃ (012). <i>Surface Science</i> , 2003, 532-535, 514-518.	0.8	21
156	Gas sensing properties of epitaxial SnO ₂ thin films prepared by atomic layer deposition. <i>Sensors and Actuators B: Chemical</i> , 2003, 93, 552-555.	4.0	85
157	Influence of Surface Charge Density on the Electrochemically Derived Surface Roughness of Bi Electrodes. <i>Journal of the Electrochemical Society</i> , 2003, 150, E175.	1.3	12
158	Electrophysiological identification of cold receptors on the antennae of the ground beetle <i>Pterostichus aethiops</i> . <i>Physiological Entomology</i> , 2003, 28, 88-96.	0.6	36
159	Study of Thin Oxide Films by Electron, Ion and Synchrotron Radiation Beams. <i>Mikrochimica Acta</i> , 2002, 139, 165-169.	2.5	13
160	Antennal sensilla of the ground beetle <i>Bembidion properans</i> Steph. (Coleoptera, Carabidae). <i>Micron</i> , 2002, 33, 429-440.	1.1	114
161	Characterization of glucose oxidase immobilization onto mica carrier by atomic force microscopy and kinetic studies. <i>New Biotechnology</i> , 2002, 19, 195-199.	2.7	21
162	Atomic layer deposition of TiO ₂ thin films from TiI ₄ and H ₂ O. <i>Applied Surface Science</i> , 2002, 193, 277-286.	3.1	75

#	ARTICLE	IF	CITATIONS
163	Growth kinetics and structure formation of ZrO ₂ thin films in chloride-based atomic layer deposition process. <i>Thin Solid Films</i> , 2002, 408, 97-103.	0.8	90
164	A comparison of redox processes for polypyrrole/dodecylsulfate films in aqueous and non-aqueous media. <i>Journal of Solid State Electrochemistry</i> , 2001, 5, 265-273.	1.2	22
165	Comparative study of low-temperature chloride atomic-layer chemical vapor deposition of TiO ₂ and SnO ₂ . <i>Applied Surface Science</i> , 2001, 175-176, 111-116.	3.1	18
166	Influence of structure development on atomic layer deposition of TiO ₂ thin films. <i>Applied Surface Science</i> , 2001, 181, 339-348.	3.1	92
167	Antennal sensilla of the ground beetle <i>Bembidion lampros</i> Hbst (Coleoptera, Carabidae). <i>Acta Zoologica</i> , 2001, 81, 339-350.	0.6	56
168	Electrochemical reduction of oxygen on thin-film Au electrodes in acid solution. <i>Electrochemistry Communications</i> , 2001, 3, 446-450.	2.3	77
169	Atomic-layer chemical vapor deposition of SnO ₂ for gas-sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2001, 77, 297-300.	4.0	51
170	Antennal sensilla of the ground beetle <i>Platynus dorsalis</i> (Pontoppidan, 1763) (Coleoptera, carabidae). <i>Microscopy Research and Technique</i> , 2001, 55, 339-349.	1.2	65
171	Redox properties of polypyrrole bilayers. <i>Electrochimica Acta</i> , 2001, 46, 4105-4112.	2.6	19
172	<title>Atomic scale optical monitoring of the initial growth of TiO ₂ thin films</title>. , 2001, 4318, 72.		10
173	Texture development in nanocrystalline hafnium dioxide thin films grown by atomic layer deposition. <i>Journal of Crystal Growth</i> , 2000, 220, 105-113.	0.7	117
174	Anomalous effect of temperature on atomic layer deposition of titanium dioxide. <i>Journal of Crystal Growth</i> , 2000, 220, 531-537.	0.7	115
175	Characterization of titanium dioxide atomic layer growth from titanium ethoxide and water. <i>Thin Solid Films</i> , 2000, 370, 163-172.	0.8	71
176	Influence of charge density and electrolyte concentration on the electrical double layer characteristics at rough cadmium electrodes. <i>Electrochimica Acta</i> , 2000, 46, 185-191.	2.6	30
177	Influence of substrate temperature on atomic layer growth and properties of HfO ₂ thin films. <i>Thin Solid Films</i> , 1999, 340, 110-116.	0.8	276
178	Composition and thickness determination of thin oxide films: comparison of different programs and methods. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 523-527.	1.6	42
179	Surface roughness of bismuth, antimony and cadmium electrodes. <i>Electrochimica Acta</i> , 1998, 44, 373-383.	2.6	42
180	Electrochemical properties of cation sensitive polypyrrole films. <i>Journal of Electroanalytical Chemistry</i> , 1998, 448, 25-31.	1.9	57

#	ARTICLE	IF	CITATIONS
181	TiO ₂ thin films by atomic layer deposition: a case of uneven growth at low temperature. Applied Surface Science, 1998, 134, 78-86.	3.1	85
182	Spectral and temporal characteristics of photostimulated exoemission from coldworked metals. Applied Surface Science, 1998, 136, 55-61.	3.1	2
183	Atomic-layer-deposited TiO ₂ dielectric coatings. , 1997, 2967, 245.		6
184	Effect of growth conditions on formation of TiO ₂ -II thin films in atomic layer deposition process. Journal of Crystal Growth, 1997, 181, 259-264.	0.7	49
185	Effect of crystal structure on optical properties of TiO ₂ films grown by atomic layer deposition. Thin Solid Films, 1997, 305, 270-273.	0.8	254
186	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
187	Electrochemical properties of polypyrrole/sulphate films. Electrochimica Acta, 1997, 42, 2929-2934.	2.6	36
188	Exoemissive noise activity of different metallic materials. Review of Scientific Instruments, 1996, 67, 3951-3953.	0.6	2
189	Nature of ion sensitivity of polypyrrole electrodes. Journal of Electroanalytical Chemistry, 1996, 414, 149-158.	1.9	7
190	Control of thin film structure by reactant pressure in atomic layer deposition of TiO ₂ . Journal of Crystal Growth, 1996, 169, 496-502.	0.7	68
191	Properties of tantalum oxide thin films grown by atomic layer deposition. Thin Solid Films, 1995, 260, 135-142.	0.8	111
192	Morphology and structure of TiO ₂ thin films grown by atomic layer deposition. Journal of Crystal Growth, 1995, 148, 268-275.	0.7	275