Mir ghasem Hosseini

List of Publications by Year
in descending order

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179 papers	6,251 citations	76196 40 h-index	91712 69 g-index
181 all docs	181 docs citations	181 times ranked	5603 citing authors

#	Article	IF	Citations
1	Polyaniline film decorated with cadmium sulfide- NrGO nanosheet heterostructure hybrid as highly efficient photoelectrocatalyst for water splitting. Materials Science in Semiconductor Processing, 2022, 141, 106425.	1.9	4
2	Multi-walled carbon nanotube-supported Ni@Pd coreâ€"shell electrocatalyst for direct formate fuel cells. Journal of Applied Electrochemistry, 2022, 52, 755-764.	1.5	6
3	Synthesis of nitrogen and phosphorus co-doped graphene quantum dots as metal-free electrocatalysts for ethanol electrooxidation. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 853-862.	1.0	3
4	Efficient electrochemical removal of 5-fluorouracil pharmaceutical from wastewater by mixed metal oxides via anodic oxidation process. Chemosphere, 2022, 296, 134007.	4.2	14
5	The use of silica in IrO2-based DSA type electrode: An efficient approach to construct cost-effective, potent electrodes for oxygen evolution reaction. Materials Chemistry and Physics, 2022, 285, 126086.	2.0	8
6	Visible-light enhanced azo dye degradation and power generation in a microbial photoelectrochemical cell using AgBr/ZnO composite photocathode. Bioelectrochemistry, 2022, 146, 108139.	2.4	8
7	Ta2O5-incorporated in photoinduced electrocatalyst of TiO2-RuO2 decorated by PPy-NrGO nanocomposite for boosting overall water splitting. Journal of Colloid and Interface Science, 2021, 582, 254-269.	5.0	13
8	Modification of polyaniline-WO3 as a noble metal-free photo electrocatalyst with (6, 6) - Phenyl-C61-butyric acid methyl ester for solar photoelectrochemical water splitting. Materials Science in Semiconductor Processing, 2021, 121, 105440.	1.9	9
9	Synthesis of hexagonal cobalt hydroxide and cobalt oxide nanorings as promising materials for oxygen evolution and supercapacitive processes. International Journal of Hydrogen Energy, 2021, 46, 3887-3897.	3.8	11
10	Influence of lead (II) chloride and/or lead (II) bromide entrance on the efficiency and stability of methyl ammonium lead triiodide perovskite solar cell: Comparative study of the halide composition and substitution percentage. Optical Materials, 2021, 113, 110888.	1.7	4
11	Polyaniline grafted chitosan/<scp>GOâ€CNT</scp>/<scp>Fe₃O₄</scp> nanocomposite as a superior electrode material for supercapacitor application. Journal of Applied Polymer Science, 2021, 138, 50976.	1.3	14
12	Novel Bimetallic Pdâ€"X (X = Ni, Co) Nanoparticles Assembled on N-Doped Reduced Graphene Oxide as an Anode Catalyst for Highly Efficient Direct Sodium Borohydrideâ€"Hydrogen Peroxide Fuel Cells. ACS Applied Energy Materials, 2021, 4, 6025-6039.	2.5	18
13	Pdâ€"Co nanoparticles decorated on different carbon based substrates as electrocatalyst for O2 reduction reaction. International Journal of Hydrogen Energy, 2021, 46, 28513-28526.	3.8	11
14	Superior corrosion and wear resistance of pulse plated Niâ€"Wâ€"B/SiC composite coatings. Materials Chemistry and Physics, 2021, 270, 124761.	2.0	10
15	Hierarchical FTO/PPy/ACo2O4 (A: Mn or Ni) with stacks spinel structure as superb photoanodes for photoelectrochemical water splitting. Materials Chemistry and Physics, 2021, 272, 124953.	2.0	4
16	Superior overall water splitting performance in polypyrrole photoelectrode by coupling NrGO and modifying electropolymerization substrate. Journal of Applied Polymer Science, 2021, 138, 50507.	1.3	2
17	Palladium-Nickel Electrocatalysts on Nitrogen-Doped Reduced Graphene Oxide Nanosheets for Direct Hydrazine/Hydrogen Peroxide Fuel Cells. Catalysts, 2021, 11, 1372.	1.6	13
18	Cobalt-modified palladium nanocatalyst on nitrogen-doped reduced graphene oxide for direct hydrazine fuel cell. RSC Advances, 2021, 11, 39223-39232.	1.7	4

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19	Investigation of solar-induced photoelectrochemical water splitting and photocatalytic dye removal activities of camphor sulfonic acid doped polyaniline -WO3- MWCNT ternary nanocomposite. Journal of Materials Science and Technology, 2020, 38, 7-18.	5.6	29
20	Structural characterization, mechanical, and electrochemical studies of hydroxyapatiteâ€titanium composite coating fabricated using electrophoretic deposition and reaction bonding process. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 2119-2130.	1.6	11
21	Toward enhancing the photoelectrochemical water splitting efficiency of organic acid doped polyaniline-WO3 photoanode by photo-assisted electrochemically reduced graphene oxide. Electrochimica Acta, 2020, 333, 135475.	2.6	36
22	Improved dye degradation and simultaneous electricity generation in a photoelectrocatalytic microbial fuel cell equipped with AgBr/CuO hybrid photocathode. Journal of Power Sources, 2020, 474, 228589.	4.0	42
23	Corrosion and Wear Study of Niâ€“Wâ€“B/WC Composite Coatings Electroplated by Pulse Plating. Advanced Engineering Materials, 2020, 22, 2000426.	1.6	5
24	Preparation of Pulse Electrodeposited Ni-B Coating with RSM Software and Evaluation of Its Microhardness and Electrochemical Behavior. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 3167-3179.	1.1	5
25	Novel electrocatalysts for borohydride fuel cells: enhanced power generation by optimizing anodic coreâ€“shell nanoparticles on reduced graphene oxide. New Journal of Chemistry, 2020, 44, 11974-11987.	1.4	6
26	Electrochemical advanced oxidation process of Phenazopyridine drug waste using different Ti-based IrO2-Ta2O5 anodes. Journal of the Taiwan Institute of Chemical Engineers, 2020, 117, 103-111.	2.7	19
27	Anchoring RuO2 nanoparticles on reduced graphene oxide-multi-walled carbon nanotubes as a high-performance supercapacitor. Ionics, 2019, 25, 2383-2391.	1.2	23
28	Niâ€“B/SiC nanocomposite coating obtained by pulse plating and evaluation of its electrochemistry and mechanical properties. Surface Engineering, 2019, 35, 861-872.	1.1	33
29	TiO2 nanoparticles with superior hydrogen evolution and pollutant degradation performance. International Journal of Hydrogen Energy, 2019, 44, 24162-24173.	3.8	18
30	Influence of electrodeposition potential, TiO₂ nanoparticles and chromium (III) inhibitor addition on the corrosion protection performance of organosilane coating on aluminium. Transactions of the Institute of Metal Finishing, 2019, 97, 189-196.	0.6	4
31	Experimental investigation of MoS2/diesel oil nanofluid thermophysical and rheological properties. International Communications in Heat and Mass Transfer, 2019, 108, 104298.	2.9	80
32	Pulse Plating of Ni-W-B Coating and Study of Its Corrosion and Wear Resistance. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 5510-5524.	1.1	12
33	Pulse plating of Niâ€“B/WC nanocomposite coating and study of its corrosion and wear resistance. Materials Science and Technology, 2019, 35, 1248-1256.	0.8	14
34	Fabrication and evaluation of the performance of Co/CoNiZnAg nanoporous structures as a good candidate for using as anode catalyst in a hydrazine fuel cell. Materials Technology, 2019, 34, 697-703.	1.5	1
35	Facile and Scalable Synthesis of Ultrafine MnCo2O4 Nanoparticles Via Mechanical Alloying as Supercapacitive Materials. Jom, 2019, 71, 2396-2404.	0.9	7
36	Preparation and characterization of hexagonal mesoporous Î²-Co(OH)2 nanorings. Microporous and Mesoporous Materials, 2019, 284, 421-426.	2.2	11

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37	Enhancement of output power density and performance of direct borohydride-hydrogen peroxide fuel cell using Ni-Pd core-shell nanoparticles on polymeric composite supports (rGO-PANI) as novel electrocatalysts. Applied Catalysis B: Environmental, 2019, 251, 37-48.	10.8	49
38	Enhancement the anticorrosive resistance of epoxy coatings by incorporation of CeO2 @ polyaniline @ 2-mercaptobenzotiazole nanocomposite. Synthetic Metals, 2019, 250, 63-72.	2.1	27
39	RuO2, RuO2â€"TiO2 and RuO2â€"TiO2â€"IrO2 nanoparticles supported on Ni mesh as mixed metal oxide electrodes for oxygen reduction reaction. Journal of the Iranian Chemical Society, 2019, 16, 1749-1760.	1.2	6
40	The influence of electrodeposited PPy film morphology on the electrochemical characteristics of Nafion-based energy storage devices. Journal of Electroanalytical Chemistry, 2019, 836, 165-175.	1.9	25
41	Low-cost nanowired Î±-MnO2/C as an ORR catalyst in air-cathode microbial fuel cell. Bioelectrochemistry, 2019, 125, 38-45.	2.4	88
42	Epoxy coating with selfâ€healing capability based on a 2â€mercaptobenzothiazoleâ€loaded CeO‹sub›2‹/sub› nanocontainer. Journal of Applied Polymer Science, 2019, 136, 47297.	1.3	18
43	RuO2 modification of graphene oxide-multiwalled carbon nanotubes as excellent positive electrode for vanadium redox flow battery. Ionics, 2019, 25, 1215-1222.	1.2	5
44	Selfâ€healing waterborne polyurethane coating by pHâ€dependent triggeredâ€release mechanism. Journal of Applied Polymer Science, 2019, 136, 47082.	1.3	20
45	High-power positive electrode based on synergistic effect of N- and WO3 -decorated carbon felt for vanadium redox flow batteries. Carbon, 2018, 136, 444-453.	5.4	60
46	Green synthesis of water-soluble graphene nanosheets under solvent-free condition and in-situ anchored with MnO2 as supercapacitor. Journal of Materials Science: Materials in Electronics, 2018, 29, 6692-6701.	1.1	4
47	Electrochemical and Electromechanical Study of Carbon-Electrode-Based Ionic Soft Actuators. Industrial & Engineering Chemistry Research, 2018, 57, 795-806.	1.8	11
48	Preparation of Pt/G and PtNi/G nanocatalysts with high electrocatalytic activity for borohydride oxidation and investigation of different operation condition on the performance of direct borohydride-hydrogen peroxide fuel cell. Materials Chemistry and Physics, 2018, 208, 207-219.	2.0	26
49	Towards Production of a Highly Catalytic and Stable Graphene-Wrapped Graphite Felt Electrode for Vanadium Redox Flow Batteries. Batteries, 2018, 4, 63.	2.1	3
50	Pd-Ni nanoparticle supported on reduced graphene oxide and multi-walled carbon nanotubes as electrocatalyst for oxygen reduction reaction. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 675-687.	1.0	12
51	The influence of electrodeposited conducting polymer electrode structure on the actuation performance of muscle-like ionic actuators. Sensors and Actuators A: Physical, 2018, 279, 204-215.	2.0	12
52	Rapid and sensitive detection of hydrogen peroxide in milk by Enzyme-free electrochemiluminescence sensor based on a polypyrrole-cerium oxide nanocomposite. Sensors and Actuators B: Chemical, 2018, 271, 90-96.	4.0	77
53	High performance direct hydrazineâ€"hydrogen peroxide fuel cell using reduced graphene oxide supported Ni@M (M = Pt, Pd, Ru) nanoparticles as novel anodic electrocatalysts. New Journal of Chemistry, 2018, 42, 12222-12233.	1.4	23
54	Mechanochemically synthesized NiCo2O4/Vulcan/PANI nanocomposite and investigation of its electrochemical behavior as a supercapacitor. Ceramics International, 2018, 44, 20049-20057.	2.3	19

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55	Ni@Pd core-shell nanostructure supported on multi-walled carbon nanotubes as efficient anode nanocatalysts for direct methanol fuel cells with membrane electrode assembly prepared by catalyst coated membrane method. Energy, 2018, 161, 1074-1084.	4.5	36
56	Evaluation of the Electrochemical Activity and Stability of Ti/IrO2â€"Ta2O5 Electrode as Anode in the Cathodic Protection Systems via Impressed Current. Protection of Metals and Physical Chemistry of Surfaces, 2018, 54, 700-708.	0.3	3
57	Improving the anticorrosive performance of epoxy coatings by embedding various percentages of unmodified and imidazole modified CeO2 nanoparticles. Progress in Organic Coatings, 2018, 122, 56-63.	1.9	36
58	Self-healing and corrosion protection performance of organic polysulfide@urea-formaldehyde resin core-shell nanoparticles in epoxy/PANI/ZnO nanocomposite coatings on anodized aluminum alloy. Progress in Organic Coatings, 2018, 124, 110-121.	1.9	48
59	Preparation and corrosion performance of healable waterborne polyurethane coatings containing isophoronediisocyanate loaded silica capsules. Journal of the Taiwan Institute of Chemical Engineers, 2018, 93, 1-10.	2.7	21
60	3D structured polypyrrole/reduced graphene oxide (PPy/rGO)-based electrode ionic soft actuators with improved actuation performance. New Journal of Chemistry, 2018, 42, 12104-12118.	1.4	31
61	Synthesis and characterization of palladium nanoparticles immobilized on ZrO2 nanotubes as a new highly active electrode for methanol electro-oxidation. Journal of Porous Materials, 2017, 24, 1155-1163.	1.3	3
62	Electrochemical behavior of a Nafionâ€membraneâ€based solidâ€state supercapacitor with a graphene oxideâ€"multiwalled carbon nanotubeâ€"polypyrrole nanocomposite. Journal of Applied Polymer Science, 2017, 134, .	1.3	31
63	Electrochemical and electromechanical behavior of Nafion-based soft actuators with PPy/CB/MWCNT nanocomposite electrodes. RSC Advances, 2017, 7, 3190-3203.	1.7	41
64	The comparison of direct borohydride-hydrogen peroxide fuel cell performance with membrane electrode assembly prepared by catalyst coated membrane method and catalyst coated gas diffusion layer method using Ni@Pt/C as anodic catalyst. International Journal of Hydrogen Energy, 2017, 42, 10363-10375.	3.8	22
65	A Novel High-Performance Supercapacitor based on Chitosan/Graphene Oxide-MWCNT/Polyaniline. Journal of Colloid and Interface Science, 2017, 496, 371-381.	5.0	93
66	Carbon supported Ni 1 Pt 1 nanocatalyst as superior electrocatalyst with increased power density in direct borohydride-hydrogen peroxide and investigation of cell impedance at different temperatures and discharging currents. Energy, 2017, 131, 137-148.	4.5	20
67	A Development in Direct Borohydride/Hydrogen Peroxide Fuel Cell Using Nanostructured Niâ€Pt/C Anode. Fuel Cells, 2017, 17, 321-327.	1.5	9
68	Fabrication of novel solid-state supercapacitor using a Nafion polymer membrane with graphene oxide/multiwalled carbon nanotube/polyaniline. Journal of Solid State Electrochemistry, 2017, 21, 2833-2848.	1.2	20
69	Evaluation effect of electrodeposition parameters on superhydrophobicity and corrosion performance of nickel coatings. Protection of Metals and Physical Chemistry of Surfaces, 2017, 53, 88-93.	0.3	12
70	Preparation method of Ni@Pt/C nanocatalyst affects the performance of direct borohydride-hydrogen peroxide fuel cell: Improved power density and increased catalytic oxidation of borohydride. Journal of Colloid and Interface Science, 2017, 500, 264-275.	5.0	29
71	The effect of MWCNT content on electropolymerization of PPy film and electromechanical behavior of PPy electrode-based soft actuators. Journal of Electroanalytical Chemistry, 2017, 806, 136-149.	1.9	21
72	Ni@M (M = Pt, Pd and Ru) core@shell nanoparticles on a Vulcan XC-72R support with superior catalytic activity toward borohydride oxidation: electrochemical and fuel cell studies. New Journal of Chemistry, 2017, 41, 13408-13417.	1.4	21

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73	Improvement of energy conversion efficiency and power generation in direct borohydride-hydrogen peroxide fuel cell: The effect of Ni-M core-shell nanoparticles (M = Pt, Pd, Ru)/Multiwalled Carbon Nanotubes on the cell performance. Journal of Power Sources, 2017, 370, 87-97.	4.0	40
74	Electrochemical impedance spectroscopy evaluation on the protective properties of epoxy/DBSAdoped polyaniline-TiO 2 nanocomposite coated mild steel under cathodic polarization. Surface and Coatings Technology, 2017, 331, 66-76.	2.2	28
75	Electrooxidation of ethanol on platinum nanoparticles supported by ZrO2 nanotube matrix as a new highly active electrode. Russian Journal of Physical Chemistry A, 2017, 91, 1586-1591.	0.1	4
76	Porous Co/Coâ€"Niâ€"Pt nanostructures prepared by galvanic replacement towards methanol electro-oxidation. Journal of Porous Materials, 2017, 24, 305-313.	1.3	11
77	Electrochemical, Structural and Nano Tribological Behavior of Ni-W-PTFE Nanocomposite Coatings Prepared by Tartrate Bath. International Journal of Electrochemical Science, 2016, 11, 5140-5153.	0.5	15
78	Enhanced Photocatalytic Activity of Ag Doped ZnO Nanorods for Degradation of an Azo Dye. Water Environment Research, 2016, 88, 2001-2007.	1.3	8
79	Electrocatalysis of oxygen reduction on multi-walled carbon nanotube supported Ru-based catalysts in alkaline media. International Journal of Hydrogen Energy, 2016, 41, 8803-8818.	3.8	14
80	Synthesis, Characterization and Electrochemical Study of Graphene Oxide-Multi Walled Carbon Nanotube-Manganese Oxide-Polyaniline Electrode as Supercapacitor. Journal of Materials Science and Technology, 2016, 32, 763-773.	5.6	49
81	Evaluation of corrosion, mechanical and structural properties of new Niâ€"Wâ€"PCTFE nanocomposite coating. Surface and Coatings Technology, 2016, 298, 114-120.	2.2	22
82	Preparation of a Niâ€"Moâ€"Pâ€"PCTFE nanocomposite coating and evaluation of its nano-tribological, mechanical and electrochemical performance. RSC Advances, 2016, 6, 78774-78783.	1.7	16
83	Effect of Water and Fluoride Content of Anodizing Electrolyte on Morphology and Corrosion Behavior of ZrO2-Nanotubes Developed on Zirconium Implant. Journal of Materials Engineering and Performance, 2016, 25, 1129-1135.	1.2	11
84	Fabrication, characterisation and investigation of zirconium oxide corrosion behaviour on resistance of zirconium oxide nanotubes in artificial saliva as biological environment. Corrosion Engineering Science and Technology, 2015, 50, 533-537.	0.7	4
85	Selective recognition of Ni2+ ion based on fluorescence enhancement chemosensor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 140, 283-287.	2.0	25
86	Electrocatalytical study of carbon supported Pt, Ru and bimetallic Ptâ€"Ru nanoparticles for oxygen reduction reaction in alkaline media. Applied Surface Science, 2015, 345, 223-231.	3.1	42
87	Corrosion and biological behavior of nanostructured 316L stainless steel processed by severe plastic deformation. Surface and Interface Analysis, 2015, 47, 978-985.	0.8	24
88	Turn-on fluorescent chemosensor for determination of lutetium ion. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 1231-1234.	2.0	11
89	Effect of Equal Channel Angular Pressing Process on the Corrosion Behavior of Type 316L Stainless Steel in Ringer's Solution. Corrosion, 2015, 71, 367-375.	0.5	16
90	Investigation of corrosion resistance of electrodeposited Niâ€"W/SiC composite coatings. Corrosion Engineering Science and Technology, 2014, 49, 247-253.	0.7	31

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91	Yb-Doped ZnSe Nanoparticles: Synthesis, Physical Properties and Photocatalytic Activity. Journal of Nanoscience and Nanotechnology, 2014, 14, 6950-6956.	0.9	6
92	Hydrothermal synthesis and characterization of Nd-doped ZnSe nanoparticles with enhanced visible light photocatalytic activity. Research on Chemical Intermediates, 2014, 40, 495-508.	1.3	31
93	Corrosion resistance of Niâ€"Co alloy and Niâ€"Co/SiC nanocomposite coatings electrodeposited by sediment codeposition technique. Applied Surface Science, 2014, 307, 351-359.	3.1	131
94	An investigation on the effect of surface morphology and crystalline texture on corrosion behavior, structural and magnetic properties of electrodeposited nanocrystalline nickel films. Applied Surface Science, 2014, 292, 795-805.	3.1	83
95	Different TiO2 nanotubes for back illuminated dye sensitized solar cell: fabrication, characterization and electrochemical impedance properties of DSSCs. Journal of Materials Science: Materials in Electronics, 2014, 25, 5027-5034.	1.1	39
96	Investigation of the porous nanostructured Cu/Ni/AuNi electrode for sodium borohydride electrooxidation. Electrochimica Acta, 2013, 114, 215-222.	2.6	39
97	Methanol electro-oxidation on a porous nanostructured Ni/Pd-Ni electrode in alkaline media. Chinese Journal of Catalysis, 2013, 34, 1712-1719.	6.9	37
98	APPLICATION AND COMPARISON OF CURRENT INTERRUPTION AND ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY METHODS TO STUDY A MICROBIAL FUEL CELL. Instrumentation Science and Technology, 2013, 41, 72-81.	0.9	2
99	Refinement of electrodeposition mechanism for fabrication of thin nickel films on n-type silicon (111). Journal of Electroanalytical Chemistry, 2013, 690, 136-143.	1.9	29
100	Synthesis and characterization of porous nanostructured Ni/PdNi electrode towards electrooxidation of borohydride. International Journal of Hydrogen Energy, 2013, 38, 5449-5456.	3.8	37
101	Electrochemical impedance study on methyl orange and methyl red as power enhancing electron mediators in glucose fed microbial fuel cell. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 617-621.	2.7	20
102	Effect of Ti-containing inclusions on the nucleation of acicular ferrite and mechanical properties of multipass weld metals. Micron, 2013, 45, 107-114.	1.1	96
103	Gold nanoparticles deposited on polyaniline nanofibres as for electro-oxidation of hydrazine. Surface Engineering, 2013, 29, 65-69.	1.1	18
104	Preparation Ce(III) conversion coatings on electrodeposited Znâ€"Ni alloy and comparison of their corrosion performance and morphology with Cr(VI) conversion coatings. Surface Engineering, 2013, 29, 1-5.	1.1	10
105	Synthesis and Characterization of Er<I>_x</I>Zn_{1â€"<I>x</I>} Se Nanoparticles: A Novel Visible Light Responsive Photocatalyst. Science of Advanced Materials, 2013, 5, 1074-1082.	0.1	34
106	Polyaniline nanofibers supported on titanium as templates for immobilization of Pd nanoparticles: A new electroâ€catalyst for hydrazine oxidation. Journal of Applied Polymer Science, 2012, 124, 4671-4677.	1.3	6
107	SYNTHESIS AND CHARACTERIZATION OF PALLADIUM NANOPARTICLES IMMOBILIZED ON TiO₂ NANOTUBES AS A NEW HIGH ACTIVE ELECTRODE FOR METHANOL ELECTRO-OXIDATION. International Journal of Nanoscience, 2012, 11, 1250016.	0.4	10
108	PRAPARATION AND CHARACTERISATION OF TiO2 NANOTUBULAR ARRAYS FOR ELECTRO-OXIDATION OF ORGANIC COMPOUNDS: EFFECT OF IMMOBILIZATION OF THE NOBLE METAL PARTICLES. International Journal of Modern Physics Conference Series, 2012, 05, 41-48.	0.7	2

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109	Deposition and corrosion resistance of electroless Ni-PCTFE-P nanocomposite coatings. Surface and Coatings Technology, 2012, 206, 4546-4552.	2.2	17
110	A dual-chambered microbial fuel cell with Ti/nano-TiO2/Pd nano-structure cathode. Journal of Power Sources, 2012, 220, 292-297.	4.0	42
111	High-density nickel nanowire arrays for data storage applications. Journal of Physics: Conference Series, 2012, 345, 012011.	0.3	33
112	Magnetic Properties of Nickel Nanowire Arrays Patterned by Template Electrodeposition. Solid State Phenomena, 2012, 190, 522-525.	0.3	4
113	Electrocatalytic Oxidation of Sodium Borohydride on a Nanoporous Ni/Zn-Ni Electrode. Chinese Journal of Catalysis, 2012, 33, 1817-1824.	6.9	22
114	Evaluation of the Performance of Platinum Nanoparticleâ€"Titanium Oxide Nanotubes as a New Refreshable Electrode for Formic Acid Electroâ€oxidation. Fuel Cells, 2012, 12, 406-414.	1.5	18
115	Platinum nanoparticle-decorated TiO2 nanotube arrays as new highly active and non-poisoning catalyst for photo-electrochemical oxidation of galactose. Applied Catalysis A: General, 2012, 427-428, 35-42.	2.2	29
116	UV-cleaning properties of Pt nanoparticle-decorated titania nanotubes in the electro-oxidation of methanol: An anti-poisoning and refreshable electrode. Electrochimica Acta, 2012, 70, 1-9.	2.6	53
117	Influence of metal oxide nanoparticles on pseudocapacitive behavior of wet-spun polyaniline-multiwall carbon nanotube fibers. Electrochimica Acta, 2012, 70, 182-192.	2.6	70
118	Fabrication and photo-electrocatalytic activity of highly oriented titania nanotube loaded with platinum nanoparticles for electro-oxidation of lactose: A new recyclable electro-catalyst. Journal of Molecular Catalysis A, 2012, 355, 216-222.	4.8	10
119	Preparation, characterization, and application of alkaline leached Ni/Znâ€"Ni binary coatings for electro-oxidation of methanol in alkaline solution. Journal of Applied Electrochemistry, 2012, 42, 153-162.	1.5	32
120	Fabrication and Simulation of Implantable Glucose Fuel Cell. , 2011, , .		1
121	Effect of polyanilineâ€"montmorillonite nanocomposite powders addition on corrosion performance of epoxy coatings on Al 5000. Surface and Coatings Technology, 2011, 206, 280-286.	2.2	102
122	Geometry Dependent Magnetic Properties of Ni Nanowires Embedded in Self-Assembled Arrays. Physics Procedia, 2011, 22, 549-556.	1.2	8
123	Self-humidifying nanocomposite membranes based on sulfonated poly(ether ether ketone) and heteropolyacid supported Pt catalyst for fuel cells. International Journal of Hydrogen Energy, 2011, 36, 10940-10957.	3.8	37
124	Electrodeposition mechanism of nickel films on polycrystalline copper from dilute simple sulphate solutions. Russian Journal of Electrochemistry, 2011, 47, 787-792.	0.3	11
125	An innovative electrochemical approach for voltammetric determination of levodopa using gold nanoparticles doped on titanium dioxide nanotubes. Mikrochimica Acta, 2011, 172, 103-108.	2.5	20
126	Fabrication of Auâ€Nanoparticle/TiO₂â€Nanotubes Electrodes Using Electrochemical Methods and Their Application for Electrocatalytic Oxidation of Hydroquinone. Electroanalysis, 2011, 23, 1654-1662.	1.5	23

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127	Electropolymerization of polypyrrole and polypyrroleâ€ZnO nanocomposites on mild steel and its corrosion protection performance. Journal of Applied Polymer Science, 2011, 121, 3159-3166.	1.3	55
128	Electro-oxidation of hydrazine on gold nanoparticles supported on TiO2 nanotube matrix as a new high active electrode. Journal of Molecular Catalysis A, 2011, 335, 199-204.	4.8	51
129	Application of titanium oxide nanotube films containing gold nanoparticles for the electroanalytical determination of ascorbic acid. Thin Solid Films, 2011, 519, 3457-3461.	0.8	37
130	Photodegradation of an azo dye by silver-doped nano-particulate titanium dioxide. Toxicological and Environmental Chemistry, 2011, 93, 1591-1601.	0.6	5
131	Preparation and electrocatalytic activity of gold nanoparticle embedded in highly ordered TiO₂ nanotube array electrode for electro-oxidation of galactose. Surface Engineering, 2011, 27, 784-789.	1.1	9
132	Electrodeposition and mechanical properties of Ni-W-B composites from tartrate bath. Protection of Metals and Physical Chemistry of Surfaces, 2010, 46, 117-122.	0.3	11
133	Niâ€"TiO2 nanocomposite coating with high resistance to corrosion and wear. Surface and Coatings Technology, 2010, 204, 3804-3810.	2.2	245
134	Gold particles supported on self-organized nanotubular TiO2 matrix as highly active catalysts for electrochemical oxidation of glucose. Journal of Solid State Electrochemistry, 2010, 14, 1109-1115.	1.2	50
135	Protection of mild steel corrosion with new thia-derivative Salens in 0.5ÂM H2SO4 solution. Journal of Applied Electrochemistry, 2010, 40, 215-223.	1.5	28
136	An innovative approach to electro-oxidation of dopamine on titanium dioxide nanotubes electrode modified by gold particles. Journal of Applied Electrochemistry, 2010, 40, 1421-1427.	1.5	42
137	Electrochemical fabrication of polyaniline films containing gold nanoparticles deposited on titanium electrode for electro-oxidation of ascorbic acid. Journal of Materials Science, 2010, 45, 2365-2371.	1.7	57
138	Silver nanoparticles dispersed in polyaniline matrixes coated on titanium substrate as a novel electrode for electro-oxidation of hydrazine. Journal of Materials Science, 2010, 45, 3304-3310.	1.7	55
139	Effect of carbon steel microstructure and molecular structure of two new Schiff base compounds on inhibition performance in 1M HCl solution by DC, SEM and XRD studies. Materials Chemistry and Physics, 2010, 120, 134-141.	2.0	23
140	Highly Active Nickel Nanoparticles Supported on TiO₂ Nanotube Electrodes for Methanol Electrooxidation. Electroanalysis, 2010, 22, 2620-2625.	1.5	62
141	The effect of Tl(I) on the hard gold alloy electrodeposition of Auâ€"Co from acid baths. Journal of Electroanalytical Chemistry, 2010, 645, 109-114.	1.9	20
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