Nasser AÂ m Barakat

List of Publications by Year
in descending order

240	10,093	30070 54	54911 84
papers	citations	h-index	g-index

243	243	243	10062
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Methylene Blue Dye as Photosensitizer for Scavenger-Less Water Photo Splitting: New Insight in Green Hydrogen Technology. Polymers, 2022, 14, 523.	4.5	15
2	Facile synthesis of Ni-incorporated and nitrogen-doped reduced graphene oxide as an effective electrode material for tri(ammonium) phosphate electro-oxidation. Materials Advances, 2022, 3, 2760-2771.	5.4	5
3	Carbon Nanofiber Double Active Layer and Co-Incorporation as New Anode Modification Strategies for Power-Enhanced Microbial Fuel Cells. Polymers, 2022, 14, 1542.	4.5	8
4	Three-dimensional carbon nanofiber-based anode for high generated current and power from air-cathode micro-sized MFC. RSC Advances, 2022, 12, 15486-15492.	3.6	1
5	Immobilized Non-Precious Electrocatalysts for Advanced Energy Devices. Catalysts, 2022, 12, 607.	3.5	0
6	Electro-oxidation of tri(ammonium) phosphate: New hydrogen source compatible with Ni-based electro-catalysts. International Journal of Hydrogen Energy, 2022, 47, 25280-25288.	7.1	4
7	Rainwater-driven microbial fuel cells for power generation in remote areas. Royal Society Open Science, 2021, 8, 210996.	2.4	3
8	Ag-decorated TiO2 nanofibers as Arrhenius equation-incompatible and effective photocatalyst for water splitting under visible light irradiation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 604, 125307.	4.7	25
9	Tungsten incorporation in nickel doped carbon nanofibers as efficient electrocatalyst for ethanol oxidation. Fuel, 2020, 280, 118654.	6.4	16
10	A novel graphene oxide-based ceramic composite as an efficient electrode for capacitive deionization. Scientific Reports, 2020, 10, 9676.	3.3	14
11	Influences of tungsten incorporation, morphology and calcination temperature on the electrocatalytic activity of Ni/C nanostructures toward urea elimination from wastewaters. International Journal of Hydrogen Energy, 2020, 45, 8082-8093.	7.1	17
12	Preparation and characterization of ÃŸ-lactoglobulin/poly(ethylene oxide) magnetic nanofibers for biomedical applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 576, 63-72.	4.7	19
13	Synthesis of electrospun 1D-photoanode nanocomposite based on electrospinning followed by hydrothermal treatment for highly efficient liquid-junction photovoltaic devices. Journal of Sol-Gel Science and Technology, 2019, 91, 342-352.	2.4	5
14	Influence of Sn Content, Nanostructural Morphology, and Synthesis Temperature on the Electrochemical Active Area of Ni-Sn/C Nanocomposite: Verification of Methanol and Urea Electrooxidation. Catalysts, 2019, 9, 330.	3.5	22
15	Cd-doped TiO2 nanofibers as effective working electrode for the dye sensitized solar cells. Materials Letters, 2019, 246, 206-209.	2.6	27
16	Facile Synthesis and Characterization of Two Dimensional SnO2-Decorated Graphene Oxide as an Effective Counter Electrode in the DSSC. Catalysts, 2019, 9, 139.	3.5	18
17	Incorporating zirconia nanoparticles into activated carbon as electrode material for capacitive deionization. Journal of Alloys and Compounds, 2019, 772, 1079-1087.	5.5	32
18	NiSn nanoparticle-incorporated carbon nanofibers as efficient electrocatalysts for urea oxidation and working anodes in direct urea fuel cells. Journal of Advanced Research, 2019, 16, 43-53.	9.5	37

#	Article	IF	Citations
19	Template-free synthesis of Se-nanorods-rGO nanocomposite for application in supercapacitors. Nanotechnology Reviews, 2019, 8, 661-670.	5.8	15
20	New electrooxidation characteristic for Ni-based electrodes for wide application in methanol fuel cells. Applied Catalysis A: General, 2018, 555, 148-154.	4.3	46
21	Stable N-doped & FeNi-decorated graphene non-precious electrocatalyst for Oxygen Reduction Reaction in Acid Medium. Scientific Reports, 2018, 8, 3757.	3.3	19
22	CoNi/CNTs composite as effective and stable electrode for oxygen evaluation reaction in alkaline media. International Journal of Hydrogen Energy, 2018, 43, 8623-8631.	7.1	17
23	Influence of bimetallic nanoparticles composition and synthesis temperature on the electrocatalytic activity of NiMn-incorporated carbon nanofibers toward urea oxidation. International Journal of Hydrogen Energy, 2018, 43, 5561-5575.	7.1	39
24	Demonstrated photons to electron activity of S-doped TiO 2 nanofibers as photoanode in the DSSC. Materials Letters, 2018, 225, 77-81.	2.6	55
25	Fe Co1â˜'-doped titanium oxide nanotubes as effective photocatalysts for hydrogen extraction from ammonium phosphate. International Journal of Hydrogen Energy, 2018, 43, 7990-7997.	7.1	22
26	Effective strategies for anode surface modification for power harvesting and industrial wastewater treatment using microbial fuel cells. Journal of Environmental Management, 2018, 206, 228-235.	7.8	18
27	N-doped Ni/C/TiO2 nanocomposite as effective photocatalyst for water splitting. Materials Letters, 2018, 210, 317-320.	2.6	23
28	Ni-Cd carbon nanofibers as an effective catalyst for urea fuel cell. Journal of Environmental Chemical Engineering, 2018, 6, 332-337.	6.7	68
29	Electrocatalytic behavior of a nanocomposite of Ni/Pd supported by carbonized PVA nanofibers towards formic acid, ethanol and urea oxidation: A physicochemical and electro-analysis study. Applied Surface Science, 2018, 435, 122-129.	6.1	69
30	Surfactant/organic solvent free single-step engineering of hybrid graphene-Pt/TiO2 nanostructure: Efficient photocatalytic system for the treatment of wastewater coming from textile industries. Scientific Reports, 2018, 8, 14656.	3.3	14
31	CoNi Nanoparticles/CNT Composite as Effective Anode for Direct Urea Fuel Cells. International Journal of Electrochemical Science, 2018, , 4693-4699.	1.3	11
32	Influence of Sn content on the electrocatalytic activity of NiSn alloy nanoparticles-incorporated carbon nanofibers toward methanol oxidation. International Journal of Hydrogen Energy, 2018, 43, 21333-21344.	7.1	25
33	Synthesis of Fe/Co-doped titanate nanotube as redox catalyst for photon-induced water splitting. Materials Chemistry and Physics, 2018, 217, 125-132.	4.0	26
34	Anolyte in-situ functionalized carbon nanotubes electrons transport network as novel strategy for enhanced performance microbial fuel cells. Applied Energy, 2018, 228, 167-175.	10.1	10
35	Effective NiMn Nanoparticles-Functionalized Carbon Felt as an Effective Anode for Direct Urea Fuel Cells. Nanomaterials, 2018, 8, 338.	4.1	19
36	Influence of Mn, Cu, and Cdâ€“doping for titanium oxide nanotubes on the photocatalytic activity toward water splitting under visible light irradiation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 554, 100-109.	4.7	48

#	Article	IF	Citations
37	ZrO₂ nanofibers/activated carbon composite as a novel and effective electrode material for the enhancement of capacitive deionization performance. RSC Advances, 2017, 7, 4616-4626.	3.6	67
38	Facile synthesis of Ni-decorated multi-layers graphene sheets as effective anode for direct urea fuel cells. Arabian Journal of Chemistry, 2017, 10, 811-822.	4.9	42
39	Effective and stable FeNi@ N-doped graphene counter electrode for enhanced performance dye sensitized solar cells. Materials Letters, 2017, 191, 80-84.	2.6	13
40	Preparation of zero-valent Co/N-CNFs as an immobilized thin film onto graphite disc for methanol electrooxidation. Fibers and Polymers, 2017, 18, 696-705.	2.1	14
41	Effective and high performance graphene electrode for acidic electrolyte supercapacitors prepared from commercial sugar by one-pot procedure. Materials Letters, 2017, 201, 22-26.	2.6	6
42	Electricity generation from real industrial wastewater using a single-chamber air cathode microbial fuel cell with an activated carbon anode. Bioprocess and Biosystems Engineering, 2017, 40, 1151-1161.	3.4	18
43	Enhanced onset potential NiMn-decorated activated carbon as effective and applicable anode in urea fuel cells. Catalysis Communications, 2017, 97, 32-36.	3.3	47
44	Physicochemical and photo-electrochemical characterization of novel N-doped nanocomposite ZrO2/TiO2 photoanode towards technology of dye-sensitized solar cells. Materials Characterization, 2017, 127, 357-364.	4.4	9
45	Design of an efficient photoanode for dye-sensitized solar cells using electrospun one-dimensional GO/N-doped nanocomposite SnO 2 /TiO 2. Applied Surface Science, 2017, 400, 355-364.	6.1	48
46	Synthesis of novel ZrO2&GO@TiO2 nanocomposite as an efficient photoanode in dye-sensitized solar cells. Superlattices and Microstructures, 2017, 102, 235-245.	3.1	6
47	Applicable anode based on Co3O4â€“SrCO3 heterostructure nanorods-incorporated CNFs with low-onset potential for DUFCs. Applied Nanoscience (Switzerland), 2017, 7, 625-631.	3.1	26
48	Investigating the effect of membrane layers on the cathode potential of air-cathode microbial fuel cells. International Journal of Hydrogen Energy, 2017, 42, 24308-24318.	7.1	7
49	ZnO@C (core@shell) microspheres derived from spent coffee grounds as applicable non-precious electrode material for DMFCs. Scientific Reports, 2017, 7, 1738.	3.3	27
50	Influence of nitrogen doping on the electrocatalytic activity of Ni-incorporated carbon nanofibers toward urea oxidation. International Journal of Hydrogen Energy, 2017, 42, 21741-21750.	7.1	41
51	Under-oil superhydrophilic wetted PVDF electrospun modified membrane for continuous gravitational oil/water separation with outstanding flux. Water Research, 2017, 123, 524-535.	11.3	81
52	Facile synthesis of GO@SnO2/TiO2 nanofibers and their behavior in photovoltaics. Journal of Colloid and Interface Science, 2017, 490, 303-313.	9.4	25
53	Ni/Pd-Decorated Carbon NFs as an Efficient Electrocatalyst for Methanol Oxidation in Alkaline Medium. Journal of Electronic Materials, 2017, 46, 265-273.	2.2	11
54	Graphite Sheets as Highâ€Performance Lowâ€Cost Anodes for Microbial Fuel Cells Using Real Food Wastewater. Chemical Engineering and Technology, 2017, 40, 2243-2250.	1.5	40

#	Article	IF	Citations
55	Cobalt oxides-sheathed cobalt nano flakes to improve surface properties of carbonaceous electrodes utilized in microbial fuel cells. Chemical Engineering Journal, 2017, 326, 497-506.	12.7	51
56	Synthesis of novel SnO2@TiO2 nanofibers as an efficient photoanode of dye-sensitized solar cells. International Journal of Hydrogen Energy, 2016, 41, 10578-10589.	7.1	36
57	Nickel nanoparticles-decorated graphene as highly effective and stable electrocatalyst for urea electrooxidation. Journal of Molecular Catalysis A, 2016, 421, 83-91.	4.8	77
58	Efficiency enhancement of dye-sensitized solar cells by use of ZrO 2 -doped TiO 2 nanofibers photoanode. Journal of Colloid and Interface Science, 2016, 476, 9-19.	9.4	38
59	Enhanced desalination performance of capacitive deionization using zirconium oxide nanoparticles-doped graphene oxide as a novel and effective electrode. Separation and Purification Technology, 2016, 171, 34-43.	7.9	84
60	Hybrid matrices of ZnO nanofibers with silicone for high water flux photocatalytic degradation of dairy effluent. Materials Chemistry and Physics, 2016, 181, 495-500.	4.0	7
61	A novel strategy for enhancing the electrospun PVDF support layer of thin-film composite forward osmosis membranes. RSC Advances, 2016, 6, 102762-102772.	3.6	16
62	Electrodepositing technique for improving the performance of crystalline and amorphous carbonaceous anodes for MFCs. RSC Advances, 2016, 6, 111657-111665.	3.6	9
63	Nano-designed Î»-CaCO3@rGO photo-catalyst for effective adsorption and simultaneous removal of organic pollutant. Journal of Materials Science: Materials in Electronics, 2016, 27, 9593-9598.	2.2	4
64	Nitrogen-doped&SnO2-incoportaed TiO2 nanofibers as novel and effective photoanode for enhanced efficiency dye-sensitized solar cells. Chemical Engineering Journal, 2016, 304, 48-60.	12.7	36
65	Supercapacitors based on ternary nanocomposite of TiO2&Pt@graphenes. Journal of Materials Science: Materials in Electronics, 2016, 27, 3894-3900.	2.2	8
66	Super effective Zn-Fe-doped TiO2nanofibers as photocatalyst for ammonia borane hydrolysis. International Journal of Green Energy, 2016, 13, 642-649.	3.8	12
67	Photoluminescent and transparent Nylon-6 nanofiber mat composited by CdSe@ZnS quantum dots and poly (methyl methacrylate). Polymer, 2016, 85, 89-95.	3.8	9
68	Ni&Mn nanoparticles-decorated carbon nanofibers as effective electrocatalyst for urea oxidation. Applied Catalysis A: General, 2016, 510, 180-188.	4.3	139
69	A novel and chemical stable Coâ€“B nanoflakes-like structure supported over titanium dioxide nanofibers used as catalyst for hydrogen generation from ammonia borane complex. International Journal of Hydrogen Energy, 2016, 41, 285-293.	7.1	28
70	Cobalt/Chromium Nanoparticles-Incorporated Carbon Nanofibers as Effective Nonprecious Catalyst for Methanol Electrooxidation in Alkaline Medium. Nano, 2016, 11, 1650049.	1.0	28
71	Preparation and characterization of wollastonite/titanium oxide nanofiber bioceramic composite as a future implant material. Ceramics International, 2016, 42, 11525-11534.	4.8	24
72	The (2ÂÃ—Â2) tunnels structured manganese dioxide nanorods with Î± phase for lithium air batteries. Superlattices and Microstructures, 2016, 90, 184-190.	3.1	23

#	Article	IF	Citations
73	Power generation from unconditioned industrial wastewaters using commercial membranes-based microbial fuel cells. International Journal of Hydrogen Energy, 2016, 41, 4251-4263.	7.1	30
74	Amorphous SiO₂ NP-Incorporated Poly(vinylidene fluoride) Electrospun Nanofiber Membrane for High Flux Forward Osmosis Desalination. ACS Applied Materials & Interfaces, 2016, 8, 4561-4574.	8.0	131
75	Ag-doped M2O3 nanoflakes as effective catalyst for lignin liquefaction in supercritical methanol medium. Ceramics International, 2016, 42, 4386-4392.	4.8	8
76	Cu 0 /S-doped TiO 2 nanoparticles-decorated carbon nanofibers as novel and efficient photocatalyst for hydrogen generation from ammonia borane. Ceramics International, 2016, 42, 1507-1512.	4.8	19
77	Hybrid matrices of TiO2 and TiO2â€“Ag nanofibers with silicone for high water flux photocatalytic degradation of dairy effluent. Journal of Industrial and Engineering Chemistry, 2016, 33, 142-149.	5.8	15
78	Effective and highly recyclable ceramic membrane based on amorphous nanosilica for dye removal from the aqueous solutions. Arabian Journal of Chemistry, 2016, 9, 287-296.	4.9	46
79	Synthesis, characterization and performance as a Counter Electrode for dye-sensitized solar cells of CoCr-decorated carbon nanofibers. Ceramics International, 2016, 42, 146-153.	4.8	34
80	Nano-engineered ZnO/CeO2 dots@CNFs for fuel cell application. Arabian Journal of Chemistry, 2016, 9, 219-228.	4.9	40
81	Influence of copper content on the electrocatalytic activity toward methanol oxidation of Coï‡Cuy alloy nanoparticles-decorated CNFs. Scientific Reports, 2015, 5, 16695.	3.3	63
82	Copper Ion Cementation in Presence of a Magnetic Field. Chemical Engineering and Technology, 2015, 38, 441-445.	1.5	5
83	Influence of the operating conditions on the morphology of CaCO3 nanoparticles prepared by modified co-precipitation with pulse mode feeding. Advanced Powder Technology, 2015, 26, 914-919.	4.1	17
84	Nitrogen-doped, FeNi alloy nanoparticle-decorated graphene as an efficient and stable electrode for electrochemical supercapacitors in acid medium. Nanoscale Research Letters, 2015, 10, 104.	5.7	18
85	Synthesis and characterization of Co/SrCO3 nanorods-decorated carbon nanofibers as novel electrocatalyst for methanol oxidation in alkaline medium. Ceramics International, 2015, 41, 6575-6582.	4.8	39
86	High performance of NiCo nanoparticles-doped carbon nanofibers as counter electrode for dye-sensitized solar cells. Electrochimica Acta, 2015, 160, 1-6.	5.2	64
87	Catalytic hydrolysis of ammonia borane for hydrogen generation using Cu(0) nanoparticles supported on TiO 2 nanofibers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 470, 194-201.	4.7	55
88	TiO2 nanorod-intercalated reduced graphene oxide as high performance electrode material for membrane capacitive deionization. Desalination, 2015, 361, 53-64.	8.2	127
89	High-efficiency dye-sensitized solar cells based on nitrogen and graphene oxide co-incorporated TiO2 nanofibers photoelectrode. Chemical Engineering Journal, 2015, 268, 153-161.	12.7	42
90	One pot synthesis of Cu-doped TiO2 carbon nanofibers for dehydrogenation of ammonia borane. Ceramics International, 2015, 41, 6137-6140.	4.8	18

#	Article	IF	Citations
91	Yeast Extract as an Effective and Safe Mediator for the Bakerâ€™s-Yeast-Based Microbial Fuel Cell. Industrial & Engineering Chemistry Research, 2015, 54, 3116-3122.	3.7	57
92	Influence of TixZr(1â^'x)O2 nanofibers composition on the photocatalytic activity toward organic pollutants degradation and water splitting. Ceramics International, 2015, 41, 11876-11885.	4.8	28
93	Stable and effective super-hydrophilic polysulfone nanofiber mats for oil/water separation. Polymer, 2015, 72, 125-133.	3.8	36
94	Ammonium phosphate as promised hydrogen storage material. International Journal of Hydrogen Energy, 2015, 40, 10103-10110.	7.1	7
95	Cu0-decorated, carbon-doped rutile TiO2 nanofibers via one step electrospinning: Effective photocatalyst for azo dyes degradation under solar light. Chemical Engineering and Processing: Process Intensification, 2015, 95, 202-207.	3.6	15
96	Electrospun NiO, ZnO and composite NiOâ€“ZnO nanofibers/photocatalytic degradation of dairy effluent. Ceramics International, 2015, 41, 12229-12236.	4.8	31
97	A facile manufacturing of Ag/SiO2 nanofibers and nanoparticles composites via a simple hydrothermal plasma method. Ceramics International, 2015, 41, 12447-12452.	4.8	6
98	NiCu bimetallic nanoparticle-decorated graphene as novel and cost-effective counter electrode for dye-sensitized solar cells and electrocatalyst for methanol oxidation. Applied Catalysis A: General, 2015, 501, 41-47.	4.3	31
99	Cobalt-incorporated, nitrogen-doped carbon nanofibers as effective non-precious catalyst for methanol electrooxidation in alkaline medium. Applied Catalysis A: General, 2015, 498, 230-240.	4.3	62
100	Effective and highly recyclable nanosilica produced from the rice husk for effective removal of organic dyes. Journal of Industrial and Engineering Chemistry, 2015, 29, 134-145.	5.8	45
101	Effective polysulfone-amorphous SiO 2 NPs electrospun nanofiber membrane for high flux oil/water separation. Chemical Engineering Journal, 2015, 279, 631-638.	12.7	119
102	High-efficiency super capacitors based on hetero-structured Î±-MnO2 nanorods. Journal of Alloys and Compounds, 2015, 642, 210-215.	5.5	51
103	Photocatalytic degradation of dairy effluent using AgTiO2 nanostructures/polyurethane nanofiber membrane. Ceramics International, 2015, 41, 9615-9621.	4.8	24
104	Distinct influence for carbon nano-morphology on the activity and optimum metal loading of Ni/C composite used for ethanol oxidation. Electrochimica Acta, 2015, 182, 143-155.	5.2	33
105	In-situ synthesis of Ni/N-doped CNFs-supported graphite disk as effective immobilized catalyst for methanol electrooxidation. International Journal of Hydrogen Energy, 2015, 40, 14845-14856.	7.1	27
106	Synthesis and Electrochemical Properties of MnO₂ and Co-Decorated Graphene as Novel Nanocomposite for Electrochemical Super Capacitors Application. Energy and Environment Focus, 2015, 4, 34-39.	0.3	28
107	Synthesis and characterization of Nitrogen-doped &CaCO3-decorated reduced graphene oxide nanocomposite for electrochemical supercapacitors. Electrochimica Acta, 2015, 184, 193-202.	5.2	36
108	Electrospun NiCu Nanoalloy Decorated on Carbon Nanofibers as Chemical Stable Electrocatalyst for Methanol Oxidation. ECS Electrochemistry Letters, 2015, 4, F51-F55.	1.9	10

#	Article	IF	Citations
109	Ag, Zn and Cd-doped titanium oxide nanofibers as effective photocatalysts for hydrogen extraction from ammonium phosphates. Journal of Molecular Catalysis A, 2015, 409, 117-126.	4.8	8
110	Cu0- doped TiO2 nanofibers as potential photocatalyst and antimicrobial agent. Journal of Industrial and Engineering Chemistry, 2015, 26, 251-258.	5.8	39
111	Co/CeO2-decorated carbon nanofibers as effective non-precious electro-catalyst for fuel cells application in alkaline medium. Ceramics International, 2015, 41, 2271-2278.	4.8	64
112	Hierarchical TiO2/ZnO Nanostructure as Novel Non-precious Electrocatalyst for Ethanol Electrooxidation. Journal of Materials Science and Technology, 2015, 31, 97-105.	10.7	18
113	Fabrication of PdS/ZnS NPs doped PVAc hybrid electrospun nanofibers: Effective and reusable catalyst for dye photodegradation. Journal of Industrial and Engineering Chemistry, 2015, 21, 298-302.	5.8	19
114	Influence of GO incorporation in TiO2 nanofibers on the electrode efficiency in dye-sensitized solar cells. Ceramics International, 2015, 41, 1205-1212.	4.8	37
115	Effective and reusable oil/water separation membranes based on modified polysulfone electrospun nanofiber mats. Chemical Engineering Journal, 2015, 259, 449-456.	12.7	160
116	Super-hydrophilic and highly stable in oils polyamide-polysulfone composite membrane by electrospinning. Materials Letters, 2015, 138, 196-199.	2.6	27
117	Influence of Nitrogen doping on the Catalytic Activity of Ni-incorporated Carbon Nanofibers for Alkaline Direct Methanol Fuel Cells. Electrochimica Acta, 2014, 142, 228-239.	5.2	66
118	Enhancement of the Passive Direct Methanol Fuel Cells Performance by Modification of the Cathode Microporous Layer Using Carbon Nanofibers. Fuel Cells, 2014, 14, 607-613.	2.4	10
119	Study on fluidization of 0.5â€‰Âµm ultrafine and 8.0â€‰Âµm superfine Geldart-C powders in a binary mixture circulating fluidized bed. International Journal of Energy Research, 2014, 38, 683-688.	4.5	1
120	A TiO₂ nanofiber/activated carbon composite as a novel effective electrode material for capacitive deionization of brackish water. RSC Advances, 2014, 4, 64634-64642.	3.6	41
121	Cobalt/copper-decorated carbon nanofibers as novel non-precious electrocatalyst for methanol electrooxidation. Nanoscale Research Letters, 2014, 9, 2.	5.7	112
122	Synthesis and characterization of CoMnO nanofibers supported on a graphite disk: Novel strategy for nanofibers immobilization. Materials Research Bulletin, 2014, 49, 503-508.	5.2	4
123	Effective photodegradation of methomyl pesticide in concentrated solutions by novel enhancement of the photocatalytic activity of TiO2 using CdSO4 nanoparticles. Environmental Science and Pollution Research, 2014, 21, 1425-1435.	5.3	32
124	Incorporation of cadmium sulfide nanoparticles on the cadmium titanate nanofibers for enhanced organic dye degradation and hydrogen release. Ceramics International, 2014, 40, 1553-1559.	4.8	45
125	CoxNiy-decorated graphene as novel, stable and super effective non-precious electro-catalyst for methanol oxidation. Applied Catalysis B: Environmental, 2014, 154-155, 221-231.	20.2	112
126	High-Efficiency Electrode Based on Nitrogen-Doped TiO2 Nanofibers for Dye-Sensitized Solar Cells. Electrochimica Acta, 2014, 115, 493-498.	5.2	51

#	Article	IF	Citations
127	Ecophysiological and speciesâ€specific responses to seasonal variations in halophytic species of the chenopodiaceae in a Mediterranean salt marsh. African Journal of Ecology, 2014, 52, 163-172.	0.9	12
128	NixCo1â^'x alloy nanoparticle-doped carbon nanofibers as effective non-precious catalyst for ethanol oxidation. International Journal of Hydrogen Energy, 2014, 39, 305-316.	7.1	117
129	Elimination of toxic products formation in vapor-feed passive DMFC operated by absolute methanol using air cathode filter. Chemical Engineering Journal, 2014, 240, 38-44.	12.7	30
130	From Secondary to Primary Role in Alkaline Fuel Cells: Co-Decorated Graphene as Effective Catalyst for Ethanol Oxidation. ECS Electrochemistry Letters, 2014, 4, F5-F8.	1.9	16
131	Graphene/SnO2 nanocomposite as an effective electrode material for saline water desalination using capacitive deionization. Ceramics International, 2014, 40, 14627-14634.	4.8	83
132	Carbon nanofibers doped by Ni x Co 1â^'x alloy nanoparticles as effective and stable non precious electrocatalyst for methanol oxidation in alkaline media. Journal of Molecular Catalysis A, 2014, 394, 177-187.	4.8	66
133	Effective and Stable CoNi Alloy-Loaded Graphene for Ethanol Oxidation in Alkaline Medium. Journal of the Electrochemical Society, 2014, 161, F1194-F1201.	2.9	27
134	Synthesis and photocatalytic activities of CdS/TiO2 nanoparticles supported on carbon nanofibers for high efficient adsorption and simultaneous decomposition of organic dyes. Journal of Colloid and Interface Science, 2014, 434, 159-166.	9.4	98
135	Hollow carbon nanofibers as an effective electrode for brackish water desalination using the capacitive deionization process. New Journal of Chemistry, 2014, 38, 198-205.	2.8	118
136	Effect of humidification conditions and adding 3Î¼m-size superfine powders on circulation rates of binary Geldart Aâ€“C mixtures in a semi-batch circulating fluidized bed. Powder Technology, 2014, 256, 25-32.	4.2	0
137	ZnO&Fe2O3-incoportaed TiO2 nanofibers as super effective photocatalyst for water splitting under visible light radiation. Applied Catalysis A: General, 2014, 481, 19-26.	4.3	39
138	Electrospun CdSâ€“TiO2 doped carbon nanofibers for visible-light-induced photocatalytic hydrolysis of ammonia borane. Catalysis Communications, 2014, 50, 63-68.	3.3	68
139	Graphene wrapped MnO2-nanostructures as effective and stable electrode materials for capacitive deionization desalination technology. Desalination, 2014, 344, 289-298.	8.2	151
140	Interior synthesizing of ZnO nanoflakes inside nylonâ€6 electrospun nanofibers. Journal of Applied Polymer Science, 2013, 127, 2025-2032.	2.6	20
141	Inactivation of Foodborne Pathogens by NiO/TiO2 Composite Nanofibers: A Novel Biomaterial System. Food and Bioprocess Technology, 2013, 6, 988-996.	4.7	29
142	Facile preparation of graphene induced from electron-beam irradiated graphite. Materials Letters, 2013, 105, 236-238.	2.6	10
143	Mn2O3/TiO2 nanofibers with broad-spectrum antibiotics effect and photocatalytic activity for preliminary stage of water desalination. Ceramics International, 2013, 39, 2239-2246.	4.8	33
144	Effective Coâ€“Mnâ€“O nanofibers for ammonia borane hydrolysis. Materials Letters, 2013, 106, 229-232.	2.6	25

#	Article	IF	Citations
145	Effective NiCu NPs-doped carbon nanofibers as counter electrodes for dye-sensitized solar cells. Electrochimica Acta, 2013, 102, 142-148.	5.2	65
146	Encapsulation of CoS nanoparticles in PAN electrospun nanofibers: Effective and reusable catalyst for ammonia borane hydrolysis and dyes photodegradation. Ceramics International, 2013, 39, 1469-1476.	4.8	42
147	Influence of the nanofibrous morphology on the catalytic activity of NiO nanostructures: an effective impact toward methanol electrooxidation. Nanoscale Research Letters, 2013, 8, 402.	5.7	97
148	Cadmium-doped cobalt/carbon nanoparticles asÂnovel nonprecious electrocatalyst for methanol oxidation. International Journal of Hydrogen Energy, 2013, 38, 3387-3394.	7.1	46
149	Pd-doped Co nanofibers immobilized on a chemically stable metallic bipolar plate as novel strategy for direct formic acid fuel cells. International Journal of Hydrogen Energy, 2013, 38, 7438-7447.	7.1	38
150	Potential Contribution ofRetama raetam(Forssk.) Webb & Berthel as a Forage Shrub in Sinai, Egypt. Arid Land Research and Management, 2013, 27, 257-271.	1.6	23
151	Catalytic and photo hydrolysis of ammonia borane complex using Pd-doped Co nanofibers. Applied Catalysis A: General, 2013, 451, 21-27.	4.3	27
152	Influence of electrospinning and dip-coating techniques on the degradation and cytocompatibility of Mg-based alloy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 420, 37-45.	4.7	71
153	Electrospun Cu-doped titania nanofibers for photocatalytic hydrolysis of ammonia borane. Applied Catalysis A: General, 2013, 467, 98-106.	4.3	53
154	Novel Cd-doped Co/C nanoparticles for electrochemical supercapacitors. Materials Letters, 2013, 99, 168-171.	2.6	51
155	Ethanol electro-oxidation using cadmium-doped cobalt/carbon nanoparticles as novel non precious electrocatalyst. Applied Catalysis A: General, 2013, 455, 193-198.	4.3	59
156	Preparation and characterization of nylon-6/gelatin composite nanofibers via electrospinning for biomedical applications. Fibers and Polymers, 2013, 14, 718-723.	2.1	23
157	Carbon nanofibers decorated with binary semiconductor (TiO2/ZnO) nanocomposites for the effective removal of organic pollutants and the enhancement of antibacterial activities. Ceramics International, 2013, 39, 7029-7035.	4.8	129
158	Camptothecin loaded poly(Îµ-caprolactone)nanofibers via one-step electrospinning and their cytotoxicity impact. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 431, 1-8.	4.7	31
159	Hydroxyapatite-doped poly(lactic acid) porous film coating for enhanced bioactivity and corrosion behavior of AZ31 Mg alloy for orthopedic applications. Ceramics International, 2013, 39, 183-195.	4.8	116
160	Influence of temperature on the photodegradation process using Ag-doped TiO2 nanostructures: Negative impact with the nanofibers. Journal of Molecular Catalysis A, 2013, 366, 333-340.	4.8	113
161	Development of Cd-doped Co Nanoparticles Encapsulated in Graphite Shell as Novel Electrode Material for the Capacitive Deionization Technology. Nano-Micro Letters, 2013, 5, 303-313.	27.0	22
162	Development of multi-channel carbon nanofibers as effective electrosorptive electrodes for a capacitive deionization process. Journal of Materials Chemistry A, 2013, 1, 11001.	10.3	63

#	Article	IF	Citations
163	Treatment of wastewater contaminated with detergents and mineral oils using effective and scalable technology. Water Science and Technology, 2013, 68, 974-981.	2.5	9
164	Influences of Morphology and Doping on the Photoactivity of TiO2 Nanostructures. Engineering Materials, 2013, , 105-141.	0.6	0
165	A simple approach for synthesis, characterization and bioactivity of bovine bones to fabricate the polyurethane nanofiber containing hydroxyapatite nanoparticles. EXPRESS Polymer Letters, 2012, 6, 41-53.	2.1	33
166	Influence of CdO-doping on the photoluminescence properties of ZnO nanofibers: Effective visible light photocatalyst for waste water treatment. Journal of Luminescence, 2012, 132, 1668-1677.	3.1	121
167	Toward facile synthesizing of diamond nanostructures via nanotechnological approach: Lonsdaleite carbon nanofibers by electrospinning. Materials Research Bulletin, 2012, 47, 2140-2147.	5.2	26
168	Pdâ€“Co-doped carbon nanofibers with photoactivity as effective counter electrodes for DSSCs. Chemical Engineering Journal, 2012, 211-212, 9-15.	12.7	55
169	Activated carbon/silver-doped polyurethane electrospun nanofibers: Single mat for different pollutants treatment. Macromolecular Research, 2012, 20, 1243-1248.	2.4	16
170	Zinc oxide's hierarchical nanostructure and its photocatalytic properties. Applied Surface Science, 2012, 258, 3695-3702.	6.1	36
171	Synthesis and characterization of Pd-doped Co nanofibers as a multifunctional nanostructure. Materials Letters, 2012, 85, 120-123.	2.6	31
172	Electrospun nickel doped titanium dioxide nanofibers as an effective photocatalyst for the hydrolytic dehydrogenation of ammonia borane. International Journal of Hydrogen Energy, 2012, 37, 10036-10045.	7.1	37
173	Wound-dressing materials with antibacterial activity from electrospun polyurethaneâ€“dextran nanofiber mats containing ciprofloxacin HCl. Carbohydrate Polymers, 2012, 90, 1786-1793.	10.2	404
174	Nematic shaped cadmium sulfide doped electrospun nanofiber mat: Highly efficient, reusable, solar light photocatalyst. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 409, 21-29.	4.7	37
175	Chemically stable electrospun NiCu nanorods@carbon nanofibers for highly efficient dehydrogenation of ammonia borane. International Journal of Hydrogen Energy, 2012, 37, 17715-17723.	7.1	61
176	Photocatalytic release of hydrogen from ammonia borane-complex using Ni(0)-doped TiO2/C electrospun nanofibers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 410, 59-65.	4.7	41
177	Emu oil-based electrospun nanofibrous scaffolds for wound skin tissue engineering. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 415, 454-460.	4.7	93
178	Novel CdPdS/PVAc coreâ€“shell nanofibers as an effective photocatalyst for organic pollutants degradation. Journal of Molecular Catalysis A, 2012, 363-364, 186-194.	4.8	20
179	Preparation, characterization, and cytotoxicity of CPT/Fe2O3-embedded PLGA ultrafine composite fibers: a synergistic approach to develop promising anticancer material. International Journal of Nanomedicine, 2012, 7, 1659.	6.7	24
180	Synthesis and characterization of maghemite iron oxide (Î³-Fe2O3) nanofibers: novel semiconductor with magnetic feature. Journal of Materials Science, 2012, 47, 6237-6245.	3.7	32

#	Article	IF	Citations
181	Inactivation of pathogenic Klebsiella pneumoniae by CuO/TiO2 nanofibers: A multifunctional nanomaterial via one-step electrospinning. Ceramics International, 2012, 38, 4525-4532.	4.8	72
182	Novel electrospun nanofiber mats as effective catalysts for water photosplitting. Ceramics International, 2012, 38, 5175-5180.	4.8	19
183	Encapsulation of CdO/ZnO NPs in PU electrospun nanofibers as novel strategy for effective immobilization of the photocatalysts. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 401, 8-16.	4.7	56
184	Synthesis and study of the photoluminescence and optical characteristics of Cd/CdO nanorods prepared by the electrospinning process. Materials Letters, 2012, 66, 225-228.	2.6	20
185	Titanium-based polymeric electrospun nanofiber mats as a novel organic semiconductor. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 34-42.	3.5	29
186	Antibacterial activity and interaction mechanism of electrospun zinc-doped titania nanofibers. Applied Microbiology and Biotechnology, 2012, 93, 743-751.	3.6	97
187	Influence of Gelatin on the Wettability and Mechanical Properties of Nylon-6 Electrospun Nanofibers: Novel Mats for Biomedical Applications. Journal of Nanoengineering and Nanomanufacturing, 2012, 2, 286-290.	0.3	2
188	Novel Technique for Polymeric Nanofibers Preparation: Air Jet Spinning. Science of Advanced Materials, 2012, 4, 1268-1275.	0.7	21
189	Polyaniline-Poly(vinyl acetate) Electrospun Nanofiber Mats as Novel Organic Semiconductor Material. Science of Advanced Materials, 2012, 4, 1118-1126.	0.7	6
190	Electrospun cross linked rosin fibers. Applied Surface Science, 2011, 258, 1385-1389.	6.1	12
191	Photocatalytic Properties of Silver Nanoparticles Decorated Nanobranched TiO₂ Nanofibers. Journal of Nanoscience and Nanotechnology, 2011, 11, 6886-6892.	0.9	3
192	Nanobiotechnology approach to fabricate polycaprolactone nanofibers containing solid titanium nanoparticles as future implant materials. International Journal of Materials Research, 2011, 102, 1481-1487.	0.3	3
193	Influences of Silver-Doping on the Crystal Structure, Morphology and Photocatalytic Activity of TiO₂ Nanofibers. Materials Sciences and Applications, 2011, 02, 1188-1193.	0.4	4
194	Effect of lactic acid on polymer crystallization chain conformation and fiber morphology in an electrospun nylon-6 mat. Polymer, 2011, 52, 4851-4856.	3.8	60
195	Synthesis and film formation of ironâ€“cobalt nanofibers encapsulated in graphite shell: magnetic, electric and optical properties study. Journal of Materials Chemistry, 2011, 21, 10957.	6.7	56
196	Polymer nanofiberâ€templated fabrication and characterization of gallium oxide nanofibers consisting of granular nanoparticles. Polymer International, 2011, 60, 322-326.	3.1	7
197	Co3O4â€“ZnO hierarchical nanostructures by electrospinning and hydrothermal methods. Applied Surface Science, 2011, 257, 7975-7981.	6.1	27
198	Fabrication of Mineralized Collagen from Bovine Waste Materials by Hydrothermal Method as Promised Biomaterials. Journal of Biomaterials and Tissue Engineering, 2011, 1, 194-197.	0.1	7

#	Article	IF	Citations
199	Co3O4, ZnO, Co3O4-ZnO Nanofibers and Their Properties. Journal of Nanoengineering and Nanomanufacturing, 2011, 1, 196-202.	0.3	10
200	Biologically Active Polycaprolactone/Titanium Hybrid Electrospun Nanofibers for Hard Tissue Engineering. Science of Advanced Materials, 2011, 3, 730-734.	0.7	17
201	Functionalization of Electrospun Titanium Oxide Nanofibers with Silver Nanoparticles: Strongly Effective Photocatalyst. International Journal of Applied Ceramic Technology, 2010, 7, E54.	2.1	49
202	Multi-Walled Carbon Nanotubes Fabricated by Electrospinning of Acrylonitrile/Nylon Solution and Subsequent Carbonization. Journal of Nanoscience and Nanotechnology, 2010, 10, 5252-5257.	0.9	0
203	Gallium arsenide (GaAs) nanofibers by electrospinning technique as future energy server materials. Fibers and Polymers, 2010, 11, 384-390.	2.1	9
204	Effects of silver content and morphology on the catalytic activity of silver-grafted titanium oxide nanostructure. Fibers and Polymers, 2010, 11, 700-709.	2.1	36
205	Synthesis of poly(vinyl alcohol) (PVA) nanofibers incorporating hydroxyapatite nanoparticles as future implant materials. Macromolecular Research, 2010, 18, 59-66.	2.4	50
206	Photocatalytic activity of ZnO-TiO2 hierarchical nanostructure prepared by combined electrospinning and hydrothermal techniques. Macromolecular Research, 2010, 18, 233-240.	2.4	81
207	Boron nitride nanofibers by the electrospinning technique. Macromolecular Research, 2010, 18, 551-557.	2.4	18
208	Electrospun titanium dioxide nanofibers containing hydroxyapatite and silver nanoparticles as future implant materials. Journal of Materials Science: Materials in Medicine, 2010, 21, 2551-2559.	3.6	26
209	Electronic characterization and photocatalytic properties of TiO2/CdO electrospun nanofibers. Journal of Materials Science, 2010, 45, 1272-1279.	3.7	52
210	Physiochemical characterizations of electrospun (ZnOâ€“GeO2) nanofibers and their optical properties. Journal of Materials Science, 2010, 45, 3833-3840.	3.7	6
211	Silver Nanofibres by a Novel Electrospinning Process: Nanofibres with Plasmon Resonance in the IR Region and Thermal Hysteresis Electrical Conductivity Features. European Journal of Inorganic Chemistry, 2010, 2010, 1481-1488.	2.0	13
212	Self synthesize of silver nanoparticles in/on polyurethane nanofibers: Nanoâ€biotechnological approach. Journal of Applied Polymer Science, 2010, 115, 3189-3198.	2.6	37
213	Polymeric nanofibers containing solid nanoparticles prepared by electrospinning and their applications. Chemical Engineering Journal, 2010, 156, 487-495.	12.7	105
214	CoNi Bimetallic Nanofibers by Electrospinning: Nickel-Based Soft Magnetic Material with Improved Magnetic Properties. Journal of Physical Chemistry C, 2010, 114, 15589-15593.	3.1	117
215	Cytogenetical and ecological studies of some wild congeneric species in the Solanaceae distributed in upper Egypt. Chromosome Botany, 2010, 5, 65-73.	0.2	4
216	Electrospun Titania Oxide Nanofibers Coupled Zinc Oxide Nanobranches as a Novel Nanostructure for Lithium Ion Batteries Applications. Bioceramics Development and Applications, 2010, 1, 1-3.	0.3	4

#	Article	IF	Citations
217	Novel self-assembled amphiphilic poly(Îµ-caprolactone)-grafted-poly(vinyl alcohol) nanoparticles: hydrophobic and hydrophilic drugs carrier nanoparticles. Journal of Materials Science: Materials in Medicine, 2009, 20, 821-831.	3.6	60
218	Electrospun antimicrobial polyurethane nanofibers containing silver nanoparticles for biotechnological applications. Macromolecular Research, 2009, 17, 688-696.	2.4	139
219	Preparation of nanofibers consisting of MnO/Mn3O4 by using theÂelectrospinning technique: the nanofibers have two band-gap energies. Applied Physics A: Materials Science and Processing, 2009, 95, 769-776.	2.3	36
220	Preparation of MnO nanofibers by novel hydrothermal treatment of manganese acetate/PVA electrospun nanofiber mats. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 162, 205-208.	3.5	15
221	Self-assembled amphiphilic polyhedral oligosilsesquioxane (POSS) grafted poly(vinyl alcohol) (PVA) nanoparticles. Materials Science and Engineering C, 2009, 29, 869-876.	7.3	25
222	Spider-net within the N6, PVA and PU electrospun nanofiber mats using salt addition: Novel strategy in the electrospinning process. Polymer, 2009, 50, 4389-4396.	3.8	208
223	Extraction of pure natural hydroxyapatite from the bovine bones bio waste by three different methods. Journal of Materials Processing Technology, 2009, 209, 3408-3415.	6.3	280
224	Cobalt nanofibers encapsulated in a graphite shell by an electrospinning process. Journal of Materials Chemistry, 2009, 19, 7371.	6.7	120
225	Production of Smooth and Pure Nickel Metal Nanofibers by the Electrospinning Technique: Nanofibers Possess Splendid Magnetic Properties. Journal of Physical Chemistry C, 2009, 113, 531-536.	3.1	141
226	Influence of Cobalt Nanoparticlesâ€™ Incorporation on the Magnetic Properties of the Nickel Nanofibers: Cobalt-Doped Nickel Nanofibers Prepared by Electrospinning. Journal of Physical Chemistry C, 2009, 113, 19452-19457.	3.1	47
227	Fabrication of Biocompatible <I>Î²</I>-Ti-Nb-Sn Alloy by Pulsed Current Activated Sintering Using High Energy Ball Milled Powder. Science of Advanced Materials, 2009, 1, 205-211.	0.7	8
228	A New Class of Hierarchical Silver Nanostructures Enabled by Electrospinning and Novel Hydrothermal Treatment. Science of Advanced Materials, 2009, 1, 230-235.	0.7	3
229	Production of beads like hollow nickel oxide nanoparticles using colloidal -gel electrospinning methodology. Journal of Materials Science, 2008, 43, 860-864.	3.7	13
230	Physiochemical characterizations of nanobelts consisting of three mixed oxides (Co3O4, CuO, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.7	25
231	Gelatin stabilized iron oxide nanoparticles as a three dimensional template for the hydroxyapatite crystal nucleation and growth. Materials Science and Engineering C, 2008, 28, 1297-1303.	7.3	38
232	Physiochemical characterizations of hydroxyapatite extracted from bovine bones by three different methods: Extraction of biologically desirable HAp. Materials Science and Engineering C, 2008, 28, 1381-1387.	7.3	151
233	Effect of Nb and Sn on the Transformation of Î±-Ti to Î²-Ti in Ti-35 Nb-2.5 Sn Nanostructure Alloys using Mechanical Alloying. Metals and Materials International, 2008, 14, 321-325.	3.4	14
234	Surface Plasmon Resonances, Optical Properties, and Electrical Conductivity Thermal Hystersis of Silver Nanofibers Produced by the Electrospinning Technique. Langmuir, 2008, 24, 11982-11987.	3.5	85

#	Article	IF	Citations
235	Synthesis and Optical Properties of Two Cobalt Oxides (CoO and Co₃O₄) Nanofibers Produced by Electrospinning Process. Journal of Physical Chemistry C, 2008, 112, 12225-12233.	3.1	216
236	Twoâ€dimensional display for multivariate data using all principle components embedding chemical information by regular polygon approach (RPA). Journal of Chemometrics, 2007, 21, 117-125.	1.3	0
237	Bubble agglomeration algorithm for unsupervised classification: a new clustering methodology without a priori information. Chemometrics and Intelligent Laboratory Systems, 2005, 77, 43-49.	3.5	2
238	Piece-wise quasi-linear modeling in QSAR and analytical calibration based on linear substructures detected by genetic algorithm. Chemometrics and Intelligent Laboratory Systems, 2004, 72, 73-82.	3.5	6
239	Geometrical bounding of data space and nonlinear classification of chemical data using MPGA algorithm. Computational Biology and Chemistry, 2003, 27, 423-430.	2.3	2
240	Optimisation study for photocatalytic degradation of methylene blue using TiO2 supported on Agar-Agar and doped with silver. International Journal of Environmental Analytical Chemistry, 0, , 1-16.	3.3	1