Abdullah M Asiri

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10616785/publications.pdf

Version: 2024-02-01

290 papers	41,819 citations	1612 105 h-index	2381 198 g-index
330 all docs	330 docs citations	330 times ranked	26426 citing authors

#	Article	IF	Citations
1	Synthesis of N-Methylspiropyrrolidine Hybrids for Their Structural Characterization, Biological and Molecular Docking Studies. Polycyclic Aromatic Compounds, 2023, 43, 2430-2443.	1.4	3
2	Effect of alkali treatment on performance characterization of Ziziphus mauritiana fiber and its epoxy composites. Journal of Industrial Textiles, 2022, 51, 2444S-2466S.	1.1	33
3	Extraction and Characterization of Cellulose Fibers from the Stem of Momordica Charantia. Journal of Natural Fibers, 2022, 19, 2232-2242.	1.7	38
4	Extraction and Characterization of Natural Fibers from Citrullus lanatus Climber. Journal of Natural Fibers, 2022, 19, 621-629.	1.7	49
5	Graphene/iridium(III) dimer complex composite modified glassy carbon electrode as selective electrochemical sensor for determination of hydroquinone in real-life water samples. International Journal of Environmental Analytical Chemistry, 2022, 102, 2607-2624.	1.8	5
6	Enhancing electrocatalytic N2-to-NH3 fixation by suppressing hydrogen evolution with alkylthiols modified Fe3P nanoarrays. Nano Research, 2022, 15, 1039-1046.	5.8	74
7	Ni2P nanosheet array for high-efficiency electrohydrogenation of nitrite to ammonia at ambient conditions. Journal of Colloid and Interface Science, 2022, 606, 1055-1063.	5.0	62
8	Mechanical and Thermal Properties of Chloris barbata flower fiber /Epoxy Composites: Effect of Alkali treatment and Fiber weight fraction. Journal of Natural Fibers, 2022, 19, 3453-3466.	1.7	33
9	Superior hydrogen evolution electrocatalysis enabled by CoP nanowire array on graphite felt. International Journal of Hydrogen Energy, 2022, 47, 3580-3586.	3.8	101
10	Donor moieties with Dâ€“Ï€â€“a framing modulated electronic and nonlinear optical properties for non-fullerene-based chromophores. RSC Advances, 2022, 12, 4209-4223.	1.7	15
11	Synthesis, Characterization and Bio-Potential Activities of Co(II) and Ni(II) Complexes with O and N Donor Mixed Ligands. Crystals, 2022, 12, 326.	1.0	5
12	Sol-Gel Synthesis and Characterization of Highly Selective Poly(N-methyl pyrrole) Stannous(II)Tungstate Nano Composite for Mercury (Hg(II)) Detection. Crystals, 2022, 12, 371.	1.0	3
13	Preparation and characterization of lignin/nano graphene oxide/styrene butadiene rubber composite for automobile tyre application. International Journal of Biological Macromolecules, 2022, 206, 363-370.	3.6	9
14	Bio-composite film from corn starch based vetiver cellulose. Journal of Natural Fibers, 2022, 19, 14634-14644.	1.7	36
15	Effect of Process Parameters on the Fabrication of Hybrid Natural Fiber Composites Fabricated via Compression Moulding Process. Journal of Natural Fibers, 2022, 19, 14803-14812.	1.7	5
16	Isolation and Characterization of New Cellulosic Microfibers from Pandan Duri (Pandanus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	1.7	7
17	Extraction and characterization of natural fiber from Eleusine indica grass as reinforcement of sustainable fiber reinforced polymer composites. Journal of Natural Fibers, 2021, 18, 1742-1750.	1.7	67
18	Characterization of Natural Fibers from Cortaderia Selloana Grass (Pampas) as Reinforcement Material for the Production of the Composites. Journal of Natural Fibers, 2021, 18, 1893-1901.	1.7	58

#	Article	IF	Citations
19	A New Class of Polyethylene Glycol-Grafted Graphene Carbon Nanotube Composite as a Selective Adsorbent for Au(III). Waste and Biomass Valorization, 2021, 12, 937-946.	1.8	4
20	Recent Advances in 1D Electrospun Nanocatalysts for Electrochemical Water Splitting. Small Structures, 2021, 2, 2000048.	6.9	157
21	Iron-group electrocatalysts for ambient nitrogen reduction reaction in aqueous media. Nano Research, 2021, 14, 555-569.	5.8	137
22	Titanium-based metal-organic frameworks for photocatalytic applications. , 2021, , 37-63.		2
23	Magnetron sputtering enabled sustainable synthesis of nanomaterials for energy electrocatalysis. Green Chemistry, 2021, 23, 2834-2867.	4.6	96
24	CoTe nanoparticle-embedded N-doped hollow carbon polyhedron: an efficient catalyst for H₂O₂ electrosynthesis in acidic media. Journal of Materials Chemistry A, 2021, 9, 21703-21707.	5.2	29
25	Socio-economic demands and challenges for non-invasive disease diagnosis through a portable breathalyzer by the incorporation of 2D nanosheets and SMO nanocomposites. RSC Advances, 2021, 11, 21216-21234.	1.7	25
26	High-efficiency nitrate electroreduction to ammonia on electrodeposited cobaltâ€"phosphorus alloy film. Chemical Communications, 2021, 57, 9720-9723.	2.2	58
27	Effect of low levels of hydrotropes on micellization of phenothiazine drug. Korean Journal of Chemical Engineering, 2021, 38, 386-399.	1.2	4
28	Nanoparticles Addition in Coirâ€Basaltâ€Innegra Fibers Reinforced Bio-synthetic Epoxy Composites. Journal of Polymers and the Environment, 2021, 29, 3561-3573.	2.4	24
29	Fabrication of Reproducible and Selective Ammonia Vapor Sensor-Pellet of Polypyrrole/Cerium Oxide Nanocomposite for Prompt Detection at Room Temperature. Polymers, 2021, 13, 1829.	2.0	18
30	Novel Aminosilane (APTES)-Grafted Polyaniline@Graphene Oxide (PANI-GO) Nanocomposite for Electrochemical Sensor. Polymers, 2021, 13, 2562.	2.0	19
31	Effect of <scp>TiC</scp> nanoparticles on accelerated weathering of coir fiber filler and basalt fabric reinforced bio/synthetic epoxy hybrid composites: Physicomechanical and thermal characteristics. Polymer Composites, 2021, 42, 4897-4910.	2.3	26
32	Reduced graphene oxide supported ZIF-67 derived CoP enables high-performance potassium ion storage. Journal of Colloid and Interface Science, 2021, 604, 319-326.	5.0	32
33	Effect of TiC Nanoparticles Reinforcement in Coir Fiber Based Bio/Synthetic Epoxy Hybrid Composites: Mechanical and Thermal Characteristics. Journal of Polymers and the Environment, 2021, 29, 2609-2627.	2.4	34
34	A hierarchical CuO@NiCo layered double hydroxide coreâ€"shell nanoarray as an efficient electrocatalyst for the oxygen evolution reaction. Inorganic Chemistry Frontiers, 2021, 8, 3049-3054.	3.0	191
35	Alkylthiol surface engineering: an effective strategy toward enhanced electrocatalytic N₂-to-NH₃ fixation by a CoP nanoarray. Journal of Materials Chemistry A, 2021, 9, 13861-13866.	5.2	83
36	Cellulose Derived Graphene/Polyaniline Nanocomposite Anode for Energy Generation and Bioremediation of Toxic Metals via Benthic Microbial Fuel Cells. Polymers, 2021, 13, 135.	2.0	80

#	Article	IF	Citations
37	High-efficiency electrohydrogenation of nitric oxide to ammonia on a Ni₂P nanoarray under ambient conditions. Journal of Materials Chemistry A, 2021, 9, 24268-24275.	5.2	68
38	Efficient Synthesis and Characterization of Polyaniline@Aluminiumâ€"Succinate Metal-Organic Frameworks Nanocomposite and Its Application for Zn(II) Ion Sensing. Polymers, 2021, 13, 3383.	2.0	6
39	A Brief Study on Optical and Mechanical Properties of an Organic Material: Urea Glutaric Acid (2/1)â€"A Third Order Nonlinear Optical Single Crystal. Crystals, 2021, 11, 1239.	1.0	11
40	Bacillus-Mediated Silver Nanoparticle Synthesis and Its Antagonistic Activity against Bacterial and Fungal Pathogens. Antibiotics, 2021, 10, 1334.	1.5	15
41	Development of Cd (II) Ion Probe Based on Novel Polyaniline-Multiwalled Carbon Nanotube-3-aminopropyltriethoxylsilane Composite. Membranes, 2021, 11, 853.	1.4	7
42	The effect of Î³-ray-irradiated conducting polymer electrolyte and its application of dye-sensitized solar cells to building window glass system. Journal of Solid State Electrochemistry, 2020, 24, 251-261.	1.2	7
43	All-inorganic perovskite quantum dots CsPbX3 (Br/I) for highly sensitive and selective detection of explosive picric acid. Chemical Engineering Journal, 2020, 379, 122360.	6.6	61
44	Highly Selective Electrochemical Reduction of CO₂ to Alcohols on an FeP Nanoarray. Angewandte Chemie, 2020, 132, 768-772.	1.6	26
45	Highly Selective Electrochemical Reduction of CO₂ to Alcohols on an FeP Nanoarray. Angewandte Chemie - International Edition, 2020, 59, 758-762.	7.2	132
46	Fluorescent Copper Nanoclusters for the Iodide-Enhanced Detection of Hypochlorous Acid. ACS Applied Nano Materials, 2020, 3, 312-318.	2.4	29
47	Iron-based phosphides as electrocatalysts for the hydrogen evolution reaction: recent advances and future prospects. Journal of Materials Chemistry A, 2020, 8, 19729-19745.	5.2	295
48	Oxidationâ€etching induced morphology regulation of Cu catalysts for highâ€performance electrochemical <scp>N₂</scp> reduction. EcoMat, 2020, 2, e12026.	6.8	13
49	BaSrLaFe12O19 nanorods: optical and magnetic properties. Journal of Materials Science: Materials in Electronics, 2020, 31, 8022-8032.	1.1	12
50	Hierarchical CuO@ZnCo LDH heterostructured nanowire arrays toward enhanced water oxidation electrocatalysis. Nanoscale, 2020, 12, 5359-5362.	2.8	97
51	Characterization of a novel natural cellulosic fiber from Calotropis gigantea fruit bunch for ecofriendly polymer composites. International Journal of Biological Macromolecules, 2020, 150, 793-801.	3.6	135
52	Hybrid poly(ether-arylidene-ether-sulphone)s derivatives for divalent cobalt ion detection. SN Applied Sciences, 2020, 2, 1.	1.5	3
53	Effect of cellulose nano fibers and nano clays on the mechanical, morphological, thermal and dynamic mechanical performance of kenaf/epoxy composites. Carbohydrate Polymers, 2020, 239, 116248.	5.1	65
54	Conductometric Study of Complexation of Macrocyclic Compounds with Zinc(II) and Copper(II) Ions in Aqueous-Organic Solvent Mixtures. Russian Journal of Physical Chemistry A, 2020, 94, 2752-2759.	0.1	1

#	Article	IF	Citations
55	Transport and surface charge density of univalent ion of polyvinyl chloride-based barium tungstate ion-exchange composite membrane for industrial separation of waste water. Journal of Industrial Textiles, 2019, 49, 584-596.	1.1	4
56	Spinel LiMn₂O₄ Nanofiber: An Efficient Electrocatalyst for N₂ Reduction to NH₃ under Ambient Conditions. Inorganic Chemistry, 2019, 58, 9597-9601.	1.9	90
57	An MnO₂â€“Ti₃C₂T_x MXene nanohybrid: an efficient and durable electrocatalyst toward artificial N₂ fixation to NH₃ under ambient conditions. Journal of Materials Chemistry A, 2019, 7, 18823-18827.	5.2	107
58	Micellization behavior of bile salt with pluronic (Fâ€127) and synthesis of silver nanoparticles in a mixed system. Journal of Physical Organic Chemistry, 2019, 32, e3964.	0.9	11
59	Plantâ€supported silver nanoparticles: Efficient, economically viable and easily recoverable catalyst for the reduction of organic pollutants. Applied Organometallic Chemistry, 2019, 33, e4971.	1.7	40
60	Electrocatalytic N₂-to-NH₃ conversion using oxygen-doped graphene: experimental and theoretical studies. Chemical Communications, 2019, 55, 7502-7505.	2.2	78
61	Equilibrium, Kinetics and Thermodynamics of Bovine Serum Albumin from Carbon Based Materials Obtained from Food Wastes. BioNanoScience, 2019, 9, 692-701.	1.5	9
62	A perovskite La₂Ti₂O₇nanosheet as an efficient electrocatalyst for artificial N₂fixation to NH₃in acidic media. Chemical Communications, 2019, 55, 6401-6404.	2.2	74
63	The Kinetic Parameters of Adsorption of Enzymes Using Carbon-Based Materials Obtained from Different Food Wastes. BioNanoScience, 2019, 9, 749-757.	1.5	8
64	Thermodynamics, Kinetics, and Adsorption Properties of Biomolecules onto Carbon-Based Materials Obtained from Food Wastes. BioNanoScience, 2019, 9, 672-682.	1.5	10
65	Metalâ€“Organic Framework Enhances Aggregation-Induced Fluorescence of Chlortetracycline and the Application for Detection. Analytical Chemistry, 2019, 91, 5913-5921.	3.2	130
66	Hexagonal boron nitride nanosheet for effective ambient N2 fixation to NH3. Nano Research, 2019, 12, 919-924.	5.8	120
67	Oxygenâ€Doped Porous Carbon Nanosheet for Efficient N₂ Fixation to NH₃ at Ambient Conditions. ChemistrySelect, 2019, 4, 3547-3550.	0.7	21
68	Mn3O4 nanoparticles@reduced graphene oxide composite: An efficient electrocatalyst for artificial N2 fixation to NH3 at ambient conditions. Nano Research, 2019, 12, 1093-1098.	5.8	93
69	A study on optical limiting properties of Eosin-Y and Eriochrome Black-T dye-doped poly (vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 1 0 T 326-333.	0.9	12
70	Structured Polyaniline: An Efficient and Durable Electrocatalyst for the Nitrogen Reduction Reaction in Acidic Media. ChemElectroChem, 2019, 6, 2215-2218.	1.7	16
71	Sulfur-doped graphene for efficient electrocatalytic N₂-to-NH₃ fixation. Chemical Communications, 2019, 55, 3371-3374.	2.2	152
72	Aggregation behavior of cetyldimethylethylammonium bromide under the influence of bovine serum albumin in aqueous/electrolyte solutions at various temperatures and compositions: conductivity and molecular dynamics study. RSC Advances, 2019, 9, 6556-6567.	1.7	10

#	Article	IF	Citations
73	Sulfur dotsâ€“graphene nanohybrid: a metal-free electrocatalyst for efficient N₂-to-NH₃ fixation under ambient conditions. Chemical Communications, 2019, 55, 3152-3155.	2.2	106
74	Oneâ€Step Preparation of Cobaltâ€Nanoparticleâ€Embedded Carbon for Effective Water Oxidation Electrocatalysis. ChemElectroChem, 2019, 6, 1996-1999.	1.7	11
75	A green-nanocomposite film based on poly(vinyl alcohol)/ Eleusine coracana: structural, thermal, and morphological properties. International Journal of Polymer Analysis and Characterization, 2019, 24, 257-265.	0.9	19
76	High-Performance N₂-to-NH₃ Conversion Electrocatalyzed by Mo₂C Nanorod. ACS Central Science, 2019, 5, 116-121.	5.3	292
77	Sensitive detection and imaging of endogenous peroxynitrite using a benzo[d]thiazole derived cyanine probe. Talanta, 2019, 196, 345-351.	2.9	27
78	Single microbead-based fluorescence â€œturn onâ€• detection of biothiols by flow cytometry. Talanta, 2019, 195, 197-203.	2.9	8
79	Engineering UiOâ€66 Metal Organic Framework for Heterogeneous Catalysis. ChemCatChem, 2019, 11, 899-923.	1.8	182
80	Arylnaphthalene lactone analogues: synthesis and development as excellent biological candidates for future drug discovery. RSC Advances, 2018, 8, 9487-9502.	1.7	43
81	Hierarchical CoTe₂ Nanowire Array: An Effective Oxygen Evolution Catalyst in Alkaline Media. ACS Sustainable Chemistry and Engineering, 2018, 6, 4481-4485.	3.2	44
82	P-Doped Ag Nanoparticles Embedded in N-Doped Carbon Nanoflake: An Efficient Electrocatalyst for the Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 4499-4503.	3.2	193
83	CaMoO4 nanosheet arrays for efficient and durable water oxidation electrocatalysis under alkaline conditions. Chemical Communications, 2018, 54, 5066-5069.	2.2	30
84	Citrate-modified Mgâ€“Al layered double hydroxides for efficient removal of lead from water. Environmental Chemistry Letters, 2018, 16, 561-567.	8.3	18
85	Fabrication of hierarchical CoP nanosheet@microwire arrays via space-confined phosphidation toward high-efficiency water oxidation electrocatalysis under alkaline conditions. Nanoscale, 2018, 10, 7941-7945.	2.8	197
86	An Fe-MOF nanosheet array with superior activity towards the alkaline oxygen evolution reaction. Inorganic Chemistry Frontiers, 2018, 5, 1405-1408.	3.0	97
87	Co-Doped CuO Nanoarray: An Efficient Oxygen Evolution Reaction Electrocatalyst with Enhanced Activity. ACS Sustainable Chemistry and Engineering, 2018, 6, 2883-2887.	3.2	277
88	Cathodic electrochemical activation of Co₃O₄ nanoarrays: a smart strategy to significantly boost the hydrogen evolution activity. Chemical Communications, 2018, 54, 2150-2153.	2.2	58
89	An Fe(TCNQ)₂nanowire array on Fe foil: an efficient non-noble-metal catalyst for the oxygen evolution reaction in alkaline media. Chemical Communications, 2018, 54, 2300-2303.	2.2	120
90	Fluorescent MUA-stabilized Au nanoclusters for sensitive and selective detection of penicillamine. Analytical and Bioanalytical Chemistry, 2018, 410, 2629-2636.	1.9	24

#	Article	IF	Citations
91	In situ development of amorphous Mnâ€“Coâ€“P shell on MnCo₂O₄ nanowire array for superior oxygen evolution electrocatalysis in alkaline media. Chemical Communications, 2018, 54, 1077-1080.	2.2	49
92	Proteomic-genomic adjustments and their confluence for elucidation of pathways and networks during liver fibrosis. International Journal of Biological Macromolecules, 2018, 111, 379-392.	3.6	9
93	Efficient Hydrogen Evolution Electrocatalysis at Alkaline pH by Interface Engineering of Ni₂Pâ€“CeO₂. Inorganic Chemistry, 2018, 57, 548-552.	1.9	78
94	Ultrafine PtO₂ nanoparticles coupled with a Co(OH)F nanowire array for enhanced hydrogen evolution. Chemical Communications, 2018, 54, 810-813.	2.2	65
95	Co(OH)₂ Nanoparticleâ€Encapsulating Conductive Nanowires Array: Roomâ€Temperature Electrochemical Preparation for Highâ€Performance Water Oxidation Electrocatalysis. Advanced Materials, 2018, 30, 1705366.	11.1	294
96	Selective phosphidation: an effective strategy toward CoP/CeO₂ interface engineering for superior alkaline hydrogen evolution electrocatalysis. Journal of Materials Chemistry A, 2018, 6, 1985-1990.	5.2	212
97	FeMoO₄nanorod array: a highly active 3D anode for water oxidation under alkaline conditions. Inorganic Chemistry Frontiers, 2018, 5, 665-668.	3.0	39
98	Enhanced H 2 generation from NaBH 4 hydrolysis and methanolysis by cellulose micro-fibrous cottons as metal templated catalyst. International Journal of Hydrogen Energy, 2018, 43, 6539-6550.	3.8	50
99	Sensitive and selective fluorescence detection of aqueous uranyl ions using water-soluble CdTe quantum dots. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 1011-1019.	0.7	11
100	Green synthesis of plant supported Cu Ag and Cu Ni bimetallic nanoparticles in the reduction of nitrophenols and organic dyes for water treatment. Journal of Molecular Liquids, 2018, 260, 78-91.	2.3	187
101	Toward Facile Preparation and Design of Mulberry-Shaped Poly(2-methylaniline)-Ce₂(WO₄)₃@CNT Nanocomposite and Its Application for Electrochemical Cd²⁺Ion Detection for Environment Remediation. Polymer-Plastics Technology and Engineering, 2018, 57, 335-345.	1.9	20
102	Metalâ€“organic frameworks for solar energy conversion by photoredox catalysis. Coordination Chemistry Reviews, 2018, 373, 83-115.	9.5	146
103	Cobalt nitride nanowire array as an efficient electrochemical sensor for glucose and H2O2 detection. Sensors and Actuators B: Chemical, 2018, 255, 1254-1261.	4.0	287
104	MnO2-CoP3 nanowires array: An efficient electrocatalyst for alkaline oxygen evolution reaction with enhanced activity. Electrochemistry Communications, 2018, 86, 161-165.	2.3	202
105	Recent advances in emerging 2D nanomaterials for biosensing and bioimaging applications. Materials Today, 2018, 21, 164-177.	8.3	145
106	Boosted Electrocatalytic N₂ Reduction to NH₃ by Defectâ€Rich MoS₂ Nanoflower. Advanced Energy Materials, 2018, 8, 1801357.	10.2	482
107	The conducting polymer electrolyte based on polypyrrole-polyvinyl alcohol and its application in low-cost quasi-solid-state dye-sensitized solar cells. Journal of Solid State Electrochemistry, 2018, 22, 3785-3797.	1.2	17
108	Electrochemical Ammonia Synthesis via Nitrogen Reduction Reaction on a MoS₂ Catalyst: Theoretical and Experimental Studies. Advanced Materials, 2018, 30, e1800191.	11.1	697

#	Article	IF	Citations
109	High-Efficiency Electrosynthesis of Ammonia with High Selectivity under Ambient Conditions Enabled by VN Nanosheet Array. ACS Sustainable Chemistry and Engineering, 2018, 6, 9545-9549.	3.2	170
110	Spectral and Mechanistic Investigation of Oxidation of Rizatriptan by Silver Third Periodate Complex in Aqueous Alkaline Medium. Russian Journal of Physical Chemistry B, 2018, 12, 412-421.	0.2	3
111	Efficient Electrochemical N₂ Reduction to NH₃ on MoN Nanosheets Array under Ambient Conditions. ACS Sustainable Chemistry and Engineering, 2018, 6, 9550-9554.	3.2	210
112	Graphene Oxide Based Metallic Nanoparticles and their Some Biological and Environmental Application. Current Drug Metabolism, 2018, 18, 1020-1029.	0.7	13
113	Toward design and measurement of electrical conductivity and thermal properties of silver nanoparticle embedded poly(oâ€anisidine) molybdophosphate nanocomposite and its application as microbiosensor. Polymer Composites, 2017, 38, E237.	2.3	6
114	Replacing Oxygen Evolution with Hydrazine Oxidation at the Anode for Energyâ€Saving Electrolytic Hydrogen Production. ChemElectroChem, 2017, 4, 481-484.	1.7	63
115	Fe-Doped Ni₂P Nanosheet Array for High-Efficiency Electrochemical Water Oxidation. Inorganic Chemistry, 2017, 56, 1041-1044.	1.9	193
116	Topotactic Conversion of Î±-Fe₂O₃ Nanowires into FeP as a Superior Fluorosensor for Nucleic Acid Detection: Insights from Experiment and Theory. Analytical Chemistry, 2017, 89, 2191-2195.	3.2	44
117	NiCoP Nanoarray: A Superior Pseudocapacitor Electrode with High Areal Capacitance. Chemistry - A European Journal, 2017, 23, 4435-4441.	1.7	134
118	Energy-efficient electrolytic hydrogen generation using a Cu₃P nanoarray as a bifunctional catalyst for hydrazine oxidation and water reduction. Inorganic Chemistry Frontiers, 2017, 4, 420-423.	3.0	101
119	Sensor development of 1,2 Dichlorobenzene based on polypyrole/Cu-doped ZnO (PPY/CZO) nanocomposite embedded silver electrode and their antimicrobial studies. International Journal of Biological Macromolecules, 2017, 98, 256-267.	3.6	47
120	CoP nanoarray: a robust non-noble-metal hydrogen-generating catalyst toward effective hydrolysis of ammonia borane. Inorganic Chemistry Frontiers, 2017, 4, 659-662.	3.0	88
121	High-performance urea electrolysis towards less energy-intensive electrochemical hydrogen production using a bifunctional catalyst electrode. Journal of Materials Chemistry A, 2017, 5, 3208-3213.	5.2	295
122	In situ electrochemical surface derivation of cobalt phosphate from a Co(CO₃)_{0.5}(OH)Â·0.11H₂O nanoarray for efficient water oxidation in neutral aqueous solution. Nanoscale, 2017, 9, 3752-3756.	2.8	82
123	NiS2 nanosheet array: A high-active bifunctional electrocatalyst for hydrazine oxidation and water reduction toward energy-efficient hydrogen production. Materials Today Energy, 2017, 3, 9-14.	2.5	63
124	Metal Organic Frameworks as Versatile Hosts of Au Nanoparticles in Heterogeneous Catalysis. ACS Catalysis, 2017, 7, 2896-2919.	5.5	184
125	Al-Doped CoP nanoarray: a durable water-splitting electrocatalyst with superhigh activity. Nanoscale, 2017, 9, 4793-4800.	2.8	268
126	Copperâ€Nitride Nanowires Array: An Efficient Dualâ€Functional Catalyst Electrode for Sensitive and Selective Nonâ€Enzymatic Glucose and Hydrogen Peroxide Sensing. Chemistry - A European Journal, 2017, 23, 4986-4989.	1.7	140

#	Article	IF	Citations
127	A nickel-borate nanoarray: a highly active 3D oxygen-evolving catalyst electrode operating in near-neutral water. Chemical Communications, 2017, 53, 3070-3073.	2.2	79
128	Design and Application of Foams for Electrocatalysis. ChemCatChem, 2017, 9, 1721-1743.	1.8	245
129	Fe₃Nâ€Co₂N Nanowires Array: A Nonâ€Nobleâ€Metal Bifunctional Catalyst Electrode for Highâ€Performance Glucose Oxidation and H₂O₂ Reduction toward Nonâ€Enzymatic Sensing Applications. Chemistry - A European Journal, 2017, 23, 5214-5218.	1.7	117
130	High-Efficiency and Durable Water Oxidation under Mild pH Conditions: An Iron Phosphateâ€"Borate Nanosheet Array as a Non-Noble-Metal Catalyst Electrode. Inorganic Chemistry, 2017, 56, 3131-3135.	1.9	51
131	Interconnected Network of Coreâ€"Shell CoP@CoBiPi for Efficient Water Oxidation Electrocatalysis under Near Neutral Conditions. ChemSusChem, 2017, 10, 1370-1374.	3.6	59
132	Cobalt phosphide nanowire array as an effective electrocatalyst for non-enzymatic glucose sensing. Journal of Materials Chemistry B, 2017, 5, 1901-1904.	2.9	94
133	In situ formation of a 3D core/shell structured Ni₃N@Niâ€"Bi nanosheet array: an efficient non-noble-metal bifunctional electrocatalyst toward full water splitting under near-neutral conditions. Journal of Materials Chemistry A, 2017, 5, 7806-7810.	5.2	196
134	Coreâ€"Shell NiFe-LDH@NiFe-B_i Nanoarray: In Situ Electrochemical Surface Derivation Preparation toward Efficient Water Oxidation Electrocatalysis in near-Neutral Media. ACS Applied Materials & Interfaces, 2017, 9, 19502-19506.	4.0	48
135	Bimetallic Nickelâ€Substituted Cobaltâ€Borate Nanowire Array: An Earthâ€Abundant Water Oxidation Electrocatalyst with Superior Activity and Durability at Near Neutral pH. Small, 2017, 13, 1700394.	5.2	95
136	A porous Ni₃N nanosheet array as a high-performance non-noble-metal catalyst for urea-assisted electrochemical hydrogen production. Inorganic Chemistry Frontiers, 2017, 4, 1120-1124.	3.0	225
137	Hydrazine-assisted electrolytic hydrogen production: CoS₂nanoarray as a superior bifunctional electrocatalyst. New Journal of Chemistry, 2017, 41, 4754-4757.	1.4	70
138	Selfâ€Standing CoP Nanosheets Array: A Threeâ€Dimensional Bifunctional Catalyst Electrode for Overall Water Splitting in both Neutral and Alkaline Media. ChemElectroChem, 2017, 4, 1840-1845.	1.7	345
139	Enhanced Electrocatalysis for Energyâ€Efficient Hydrogen Production over CoP Catalyst with Nonelectroactive Zn as a Promoter. Advanced Energy Materials, 2017, 7, 1700020.	10.2	519
140	Electrochemical Hydrazine Oxidation Catalyzed by Iron Phosphide Nanosheets Array toward Energyâ€Efficient Electrolytic Hydrogen Production from Water. ChemistrySelect, 2017, 2, 3401-3407.	0.7	28
141	Integrating natural biomass electro-oxidation and hydrogen evolution: using a porous Fe-doped CoP nanosheet array as a bifunctional catalyst. Chemical Communications, 2017, 53, 5710-5713.	2.2	138
142	Highly efficient and durable water oxidation in a near-neutral carbonate electrolyte electrocatalyzed by a coreâ€"shell structured NiO@Niâ€"Ci nanosheet array. Sustainable Energy and Fuels, 2017, 1, 1287-1291.	2.5	27
143	Co-based nanowire films as complementary hydrogen- and oxygen-evolving electrocatalysts in neutral electrolyte. Catalysis Science and Technology, 2017, 7, 2689-2694.	2.1	39
144	A NiCo₂O₄@Niâ€"Coâ€"Ci coreâ€"shell nanowire array as an efficient electrocatalyst for water oxidation at near-neutral pH. Chemical Communications, 2017, 53, 7812-7815.	2.2	49

#	Article	IF	Citations
145	Use of Fourier transform near-infrared spectroscopy combined with a relevance vector machine to discriminate Tetrastigma hemsleyanum (Sanyeqing) from other related species. Analytical Methods, 2017, 9, 4023-4027.	1.3	13
146	Threeâ€Dimensional Nickelâ€“Borate Nanosheets Array for Efficient Oxygen Evolution at Nearâ€Neutral pH. Chemistry - A European Journal, 2017, 23, 6959-6963.	1.7	43
147	Coreâ€“Shellâ€Structured NiS₂@Niâ€Bi_i Nanoarray for Efficient Water Oxidation at Nearâ€Neutral pH. ChemCatChem, 2017, 9, 3138-3143.	1.8	32
148	In situ surface derivation of an Feâ€“Coâ€“Bi layer on an Fe-doped Co₃O₄ nanoarray for efficient water oxidation electrocatalysis under near-neutral conditions. Journal of Materials Chemistry A, 2017, 5, 6388-6392.	5.2	68
149	A cobalt-borate nanosheet array: an efficient and durable non-noble-metal electrocatalyst for water oxidation at near neutral pH. Journal of Materials Chemistry A, 2017, 5, 7305-7308.	5.2	79
150	A nickelâ€“borateâ€“phosphate nanoarray for efficient and durable water oxidation under benign conditions. Inorganic Chemistry Frontiers, 2017, 4, 840-844.	3.0	46
151	Cu(OH)₂@CoCO₃(OH)₂Â·nH₂O Coreâ€“Shell Heterostructure Nanowire Array: An Efficient 3D Anodic Catalyst for Oxygen Evolution and Methanol Electrooxidation. Small, 2017, 13, 1602755.	5.2	133
152	Monolithically integrated copper phosphide nanowire: An efficient electrocatalyst for sensitive and selective nonenzymatic glucose detection. Sensors and Actuators B: Chemical, 2017, 244, 11-16.	4.0	79
153	Energyâ€Saving Electrolytic Hydrogen Generation: Ni₂P Nanoarray as a Highâ€Performance Nonâ€Nobleâ€Metal Electrocatalyst. Angewandte Chemie - International Edition, 2017, 56, 842-846.	7.2	668
154	Energyâ€Saving Electrolytic Hydrogen Generation: Ni₂P Nanoarray as a Highâ€Performance Nonâ€Nobleâ€Metal Electrocatalyst. Angewandte Chemie, 2017, 129, 860-864.	1.6	140
155	Highâ€Performance Electrolytic Oxygen Evolution in Neutral Media Catalyzed by a Cobalt Phosphate Nanoarray. Angewandte Chemie, 2017, 129, 1084-1088.	1.6	65
156	Highâ€Performance Electrolytic Oxygen Evolution in Neutral Media Catalyzed by a Cobalt Phosphate Nanoarray. Angewandte Chemie - International Edition, 2017, 56, 1064-1068.	7.2	348
157	A Zn-doped Ni₃S₂nanosheet array as a high-performance electrochemical water oxidation catalyst in alkaline solution. Chemical Communications, 2017, 53, 12446-12449.	2.2	315
158	Highâ€Performance Nonâ€Enzyme Hydrogen Peroxide Detection in Neutral Solution: Using a Nickel Borate Nanoarray as a 3D Electrochemical Sensor. Chemistry - A European Journal, 2017, 23, 16179-16183.	1.7	55
159	Replacing oxygen evolution with sodium sulfide electro-oxidation toward energy-efficient electrochemical hydrogen production: Using cobalt phosphide nanoarray as a bifunctional catalyst. International Journal of Hydrogen Energy, 2017, 42, 26289-26295.	3.8	15
160	An amorphous Co-carbonate-hydroxide nanowire array for efficient and durable oxygen evolution reaction in carbonate electrolytes. Nanoscale, 2017, 9, 16612-16615.	2.8	173
161	Synthesis and characterization of binaphthalene-2,2â€²-diamine-functionalized gold nanoparticles. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	2
162	Benzoate Anionâ€Intercalated Layered Cobalt Hydroxide Nanoarray: An Efficient Electrocatalyst for the Oxygen Evolution Reaction. ChemSusChem, 2017, 10, 4004-4008.	3.6	56

#	Article	IF	Citations
163	Surface Amorphization: A Simple and Effective Strategy toward Boosting the Electrocatalytic Activity for Alkaline Water Oxidation. ACS Sustainable Chemistry and Engineering, 2017, 5, 8518-8522.	3.2	51
164	A Mn-doped Ni₂P nanosheet array: an efficient and durable hydrogen evolution reaction electrocatalyst in alkaline media. Chemical Communications, 2017, 53, 11048-11051.	2.2	309
165	Co₃O₄ Nanowire Arrays toward Superior Water Oxidation Electrocatalysis in Alkaline Media by Surface Amorphization. Chemistry - A European Journal, 2017, 23, 15601-15606.	1.7	29
166	Tuneable nature of metal organic frameworks as heterogeneous solid catalysts for alcohol oxidation. Chemical Communications, 2017, 53, 10851-10869.	2.2	94
167	Facilitating Active Species Generation by Amorphous NiFeâ€B_i Layer Formation on NiFeâ€LDH Nanoarray for Efficient Electrocatalytic Oxygen Evolution at Alkaline pH. Chemistry - A European Journal, 2017, 23, 11499-11503.	1.7	69
168	Remarkable enhancement of the alkaline oxygen evolution reaction activity of NiCo₂O₄ by an amorphous borate shell. Inorganic Chemistry Frontiers, 2017, 4, 1546-1550.	3.0	34
169	An amorphous FeMoS₄ nanorod array toward efficient hydrogen evolution electrocatalysis under neutral conditions. Chemical Communications, 2017, 53, 9000-9003.	2.2	124
170	Homologous Catalysts Based on Feâ€Doped CoP Nanoarrays for Highâ€Performance Full Water Splitting under Benign Conditions. ChemSusChem, 2017, 10, 3188-3192.	3.6	58
171	A self-supported NiMoS₄ nanoarray as an efficient 3D cathode for the alkaline hydrogen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 16585-16589.	5.2	114
172	Selfâ€Templating Construction of Hollow Amorphous CoMoS₄ Nanotube Array towards Efficient Hydrogen Evolution Electrocatalysis at Neutral pH. Chemistry - A European Journal, 2017, 23, 12718-12723.	1.7	48
173	Anion-exchange synthesis of a nanoporous crystalline CoB₂O₄ nanowire array for high-performance water oxidation electrocatalysis in borate solution. Nanoscale, 2017, 9, 12343-12347.	2.8	21
174	Bimetallic NiCoP Nanosheets Array for High-Performance Urea Electro-Oxidation and Less Energy-Intensive Electrolytic Hydrogen Production. ChemistrySelect, 2017, 2, 10285-10289.	0.7	49
175	In Situ Derived Coï£¿B Nanoarray: A Highâ€Efficiency and Durable 3D Bifunctional Electrocatalyst for Overall Alkaline Water Splitting. Small, 2017, 13, 1700805.	5.2	293
176	Feâ€Doped CoP Nanoarray: A Monolithic Multifunctional Catalyst for Highly Efficient Hydrogen Generation. Advanced Materials, 2017, 29, 1602441.	11.1	834
177	Mn Doping of CoP Nanosheets Array: An Efficient Electrocatalyst for Hydrogen Evolution Reaction with Enhanced Activity at All pH Values. ACS Catalysis, 2017, 7, 98-102.	5.5	461
178	Optimization of Glucose Powered Biofuel Cell Anode Developed by Polyaniline-Silver as Electron Transfer Enhancer and Ferritin as Biocompatible Redox Mediator. Scientific Reports, 2017, 7, 12703.	1.6	43
179	Cobalt phosphide nanowires: an efficient electrocatalyst for enzymeless hydrogen peroxide detection. Nanotechnology, 2016, 27, 33LT01.	1.3	28
180	Metalâ€"Organic Framework (MOF) Compounds: Photocatalysts for Redox Reactions and Solar Fuel Production. Angewandte Chemie - International Edition, 2016, 55, 5414-5445.	7.2	888

#	Article	IF	Citations
181	Room temperature preparation, electrical conductivity, and thermal behavior evaluation on silver nanoparticle embedded polyaniline tungstophosphate nanocomposite. Polymer Composites, 2016, 37, 2460-2466.	2.3	13
182	Deamination and decarboxylation of L-thyroxine by Chloroamine-T (CAT) in acidic medium: A mechanistic and kineitc study. Russian Journal of Physical Chemistry B, 2016, 10, 922-928.	0.2	1
183	Mixed-metal or mixed-linker metal organic frameworks as heterogeneous catalysts. Catalysis Science and Technology, 2016, 6, 5238-5261.	2.1	198
184	Efficient electrochemical water splitting catalyzed by electrodeposited NiFe nanosheets film. International Journal of Hydrogen Energy, 2016, 41, 8785-8792.	3.8	58
185	Three-Dimensional Structures of MoS₂@Ni Core/Shell Nanosheets Array toward Synergetic Electrocatalytic Water Splitting. ACS Applied Materials & Interfaces, 2016, 8, 14521-14526.	4.0	132
186	One-step electrodeposition of Niâ€"Coâ€"S nanosheets film as a bifunctional electrocatalyst for efficient water splitting. International Journal of Hydrogen Energy, 2016, 41, 7264-7269.	3.8	107
187	A self-standing nanoporous MoP₂ nanosheet array: an advanced pH-universal catalytic electrode for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2016, 4, 7169-7173.	5.2	204
188	Highly efficient electrochemical hydrogen evolution based on nickel diselenide nanowall film. Nanotechnology, 2016, 27, 20LT02.	1.3	61
189	Lead sensors development and antimicrobial activities based on graphene oxide/carbon nanotube/poly(O-toluidine) nanocomposite. International Journal of Biological Macromolecules, 2016, 89, 198-205.	3.6	67
190	A Mechanistic Approach to the Influence of Surfactants on the Oxidation of Ethyl Mercaptan and its Dimer Ethyl Mercaptan Disulfide by Hexacyanoferrate(III) Ions in Aqueous Medium. Tenside, Surfactants, Detergents, 2016, 53, 87-93.	0.5	2
191	Ternary Fe_xCo_{1â€"x}P Nanowire Array as a Robust Hydrogen Evolution Reaction Electrocatalyst with Pt-like Activity: Experimental and Theoretical Insight. Nano Letters, 2016, 16, 6617-6621.	4.5	618
192	Cobalt phosphide nanowall array as an efficient 3D catalyst electrode for methanol electro-oxidation. Nanotechnology, 2016, 27, 44LT02.	1.3	17
193	Effective hydrolysis of sodium borohydride driven by self-supported cobalt oxide nanorod array for on-demand hydrogen generation. Catalysis Communications, 2016, 87, 94-97.	1.6	39
194	Three-Dimensional Ni₂P Nanoarray: An Efficient Catalyst Electrode for Sensitive and Selective Nonenzymatic Glucose Sensing with High Specificity. Analytical Chemistry, 2016, 88, 7885-7889.	3.2	209
195	Self-supported CoP nanosheet arrays: a non-precious metal catalyst for efficient hydrogen generation from alkaline NaBH₄ solution. Journal of Materials Chemistry A, 2016, 4, 13053-13057.	5.2	154
196	Iron-doped nickel disulfide nanoarray: A highly efficient and stable electrocatalyst for water splitting. Nano Research, 2016, 9, 3346-3354.	5.8	184
197	Ternary NiCoP nanosheet array on a Ti mesh: a high-performance electrochemical sensor for glucose detection. Chemical Communications, 2016, 52, 14438-14441.	2.2	98
198	A Ni₂P nanosheet array integrated on 3D Ni foam: an efficient, robust and reusable monolithic catalyst for the hydrolytic dehydrogenation of ammonia borane toward on-demand hydrogen generation. Journal of Materials Chemistry A, 2016, 4, 12407-12410.	5.2	90

#	Article	IF	Citations
199	Cobalt phosphide nanowall arrays supported on carbon cloth: an efficient monolithic non-noble-metal hydrogen evolution catalyst. Nanotechnology, 2016, 27, 475702.	1.3	19
200	Recent Progress in Cobaltâ€Based Heterogeneous Catalysts for Electrochemical Water Splitting. Advanced Materials, 2016, 28, 215-230.	11.1	2,083
201	Interconnected urchin-like cobalt phosphide microspheres film for highly efficient electrochemical hydrogen evolution in both acidic and basic media. Journal of Materials Chemistry A, 2016, 4, 10114-10117.	5.2	103
202	Self-standing Ni-WN heterostructure nanowires array: A highly efficient catalytic cathode for hydrogen evolution reaction in alkaline solution. Electrochimica Acta, 2016, 210, 729-733.	2.6	55
203	Mechanistic Investigation of Osmium(VIII) Catalyzed Oxidation of Glutamic Acid With Sodium Salt of N-Chloro 4-Methylbenzenesulfonamide in Aqueous Media: A Practical Approach. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2016, 46, 10-18.	0.6	4
204	Efficient Electrochemical Water Splitting Catalyzed by Electrodeposited Nickel Diselenide Nanoparticles Based Film. ACS Applied Materials & Interfaces, 2016, 8, 4718-4723.	4.0	239
205	Electro-catalyst based on cerium doped cobalt oxide for oxygen evolution reaction in electrochemical water splitting. Journal of Materials Science: Materials in Electronics, 2016, 27, 5294-5302.	1.1	44
206	Electrodeposited Co-doped NiSe₂nanoparticles film: a good electrocatalyst for efficient water splitting. Nanoscale, 2016, 8, 3911-3915.	2.8	367
207	Highly-active oxygen evolution electrocatalyzed by a Fe-doped NiSe nanoflake array electrode. Chemical Communications, 2016, 52, 4529-4532.	2.2	116
208	Amorphous Ni-B alloy nanoparticle film on Ni foam: rapid alternately dipping deposition for efficient overall water splitting. Nanotechnology, 2016, 27, 12LT01.	1.3	86
209	Zn0.76Co0.24S/CoS2 nanowires array for efficient electrochemical splitting of water. Electrochimica Acta, 2016, 190, 360-364.	2.6	99
210	Hierarchical nickel oxide nanosheet@nanowire arrays on nickel foam: an efficient 3D electrode for methanol electro-oxidation. Catalysis Science and Technology, 2016, 6, 1157-1161.	2.1	73
211	Nickel promoted cobalt disulfide nanowire array supported on carbon cloth: An efficient and stable bifunctional electrocatalyst for full water splitting. Electrochemistry Communications, 2016, 63, 60-64.	2.3	154
212	Nâ€Doped Carbonâ€Coated Tungsten Oxynitride Nanowire Arrays for Highly Efficient Electrochemical Hydrogen Evolution. ChemSusChem, 2015, 8, 2487-2491.	3.6	32
213	Electrodeposited Niâ€P Alloy Nanoparticle Films for Efficiently Catalyzing Hydrogenâ€•and Oxygenâ€Evolution Reactions. ChemNanoMat, 2015, 1, 558-561.	1.5	80
214	Ultrathin graphitic C3N4 nanofibers: Hydrolysis-driven top-down rapid synthesis and application as a novel fluorosensor for rapid, sensitive, and selective detection of Fe3+. Sensors and Actuators B: Chemical, 2015, 216, 453-460.	4.0	81
215	Preparation of polyaniline grafted graphene oxideâ€“WO₃ nanocomposite and its application as a chromium(<scp>iii</scp>) chemi-sensor. RSC Advances, 2015, 5, 105169-105178.	1.7	37
216	Preparation and Properties of Novel Quaternized Metalâ€“Polymer Matrix Nanocomposites. Polymer-Plastics Technology and Engineering, 2015, 54, 1615-1624.	1.9	7

#	Article	IF	Citations
217	Tungsten nitride nanorods array grown on carbon cloth as an efficient hydrogen evolution cathode at all pH values. Electrochimica Acta, 2015, 154, 345-351.	2.6	116
218	CoSe₂ Nanowires Array as a 3D Electrode for Highly Efficient Electrochemical Hydrogen Evolution. ACS Applied Materials & Interfaces, 2015, 7, 3877-3881.	4.0	174
219	Preparation and properties of novel sol-gel-derived quaternized poly(n-methyl pyrrole)/Sn(II)SiO3/CNT composites. Journal of Solid State Electrochemistry, 2015, 19, 1479-1489.	1.2	36
220	Ni3S2 nanosheets array supported on Ni foam: A novel efficient three-dimensional hydrogen-evolving electrocatalyst in both neutral and basic solutions. International Journal of Hydrogen Energy, 2015, 40, 4727-4732.	3.8	167
221	Toward designing efficient rice-shaped polyaniline@bismuth oxide nanocomposites for sensor application. Journal of Sol-Gel Science and Technology, 2015, 76, 519-528.	1.1	9
222	Interconnected Coâ€Entrapped, Nâ€Doped Carbon Nanotube Film as Active Hydrogen Evolution Cathode over the Whole pH Range. ChemSusChem, 2015, 8, 1850-1855.	3.6	73
223	Rapid, sensitive, and selective fluorescent DNA detection using iron-based metalâ€"organic framework nanorods: Synergies of the metal center and organic linker. Biosensors and Bioelectronics, 2015, 71, 1-6.	5.3	83
224	Cu/(Cu(OH) 2 -CuO) core/shell nanorods array: in-situ growth and application as an efficient 3D oxygen evolution anode. Electrochimica Acta, 2015, 163, 102-106.	2.6	101
225	3D macroporous MoS2 thin film: in situ hydrothermal preparation and application as a highly active hydrogen evolution electrocatalyst at all pH values. Electrochimica Acta, 2015, 168, 133-138.	2.6	147
226	An amorphous CoSe film behaves as an active and stable full water-splitting electrocatalyst under strongly alkaline conditions. Chemical Communications, 2015, 51, 16683-16686.	2.2	336
227	Chemical sensor development based on poly(o-anisidine)silverizedâ€"MWCNT nanocomposites deposited on glassy carbon electrodes for environmental remediation. RSC Advances, 2015, 5, 71370-71378.	1.7	42
228	In situ growth of nickel selenide nanowire arrays on nickel foil for methanol electro-oxidation in alkaline media. RSC Advances, 2015, 5, 87051-87054.	1.7	38
229	A Fe-doped Ni₃S₂particle film as a high-efficiency robust oxygen evolution electrode with very high current density. Journal of Materials Chemistry A, 2015, 3, 23207-23212.	5.2	308
230	Self-supported NiMo hollow nanorod array: an efficient 3D bifunctional catalytic electrode for overall water splitting. Journal of Materials Chemistry A, 2015, 3, 20056-20059.	5.2	218
231	Ni₃Se₂film as a non-precious metal bifunctional electrocatalyst for efficient water splitting. Catalysis Science and Technology, 2015, 5, 4954-4958.	2.1	144
232	NiCo₂S₄nanowires array as an efficient bifunctional electrocatalyst for full water splitting with superior activity. Nanoscale, 2015, 7, 15122-15126.	2.8	390
233	Nickelâ€"iron foam as a three-dimensional robust oxygen evolution electrode with high activity. International Journal of Hydrogen Energy, 2015, 40, 13258-13263.	3.8	48
234	NiS2 nanosheets array grown on carbon cloth as an efficient 3D hydrogen evolution cathode. Electrochimica Acta, 2015, 153, 508-514.	2.6	185

#	Article	IF	Citations
235	Enhanced electrooxidation of urea using NiMoO4Â·xH2O nanosheet arrays on Ni foam as anode. Electrochimica Acta, 2015, 153, 456-460.	2.6	159
236	Acidically oxidized carbon cloth: a novel metal-free oxygen evolution electrode with high catalytic activity. Chemical Communications, 2015, 51, 1616-1619.	2.2	153
237	High-Efficiency Electrochemical Hydrogen Evolution Catalyzed by Tungsten Phosphide Submicroparticles. ACS Catalysis, 2015, 5, 145-149.	5.5	231
238	Influence of additives (inorganic/organic) on the clouding behavior of amphiphilic drug solutions: Some thermodynamic studies. Journal of Saudi Chemical Society, 2015, 19, 292-300.	2.4	5
239	Preparation and Characterization of hybrid graphene oxide composite and its application in paracetamol microbiosensor. Polymer Composites, 2015, 36, 221-228.	2.3	22
240	Synthesis of Silver Embedded Poly(o-Anisidine) Molybdophosphate Nano Hybrid Cation-Exchanger Applicable for Membrane Electrode. PLoS ONE, 2014, 9, e96897.	1.1	9
241	Nitrogen-doped carbon nanotube supported iron phosphide nanocomposites for highly active electrocatalysis of the hydrogen evolution reaction. Electrochimica Acta, 2014, 149, 324-329.	2.6	79
242	Tungsten Phosphide Nanorod Arrays Directly Grown on Carbon Cloth: A Highly Efficient and Stable Hydrogen Evolution Cathode at All pH Values. ACS Applied Materials & Interfaces, 2014, 6, 21874-21879.	4.0	279
243	FeP Nanoparticles Film Grown on Carbon Cloth: An Ultrahighly Active 3D Hydrogen Evolution Cathode in Both Acidic and Neutral Solutions. ACS Applied Materials & Interfaces, 2014, 6, 20579-20584.	4.0	166
244	Study of the base-catalysed oxidation of the anti-bacterial and anti-protozoal agent metronidazole by permanganate ion in alkaline medium. Research on Chemical Intermediates, 2014, 40, 1703-1714.	1.3	3
245	Aggregation and Phase Separation Phenomenon of Amitriptyline Hydrochloride Under the Influence of Pharmaceutical Excipients. Journal of Surfactants and Detergents, 2014, 17, 37-48.	1.0	5
246	In vitro studies of carbon fiber microbiosensor for dopamine neurotransmitter supported by copper-graphene oxide composite. Mikrochimica Acta, 2014, 181, 1049-1057.	2.5	22
247	Low dimensional Ni-ZnO nanoparticles as marker of toxic lead ions for environmental remediation. Journal of Industrial and Engineering Chemistry, 2014, 20, 1071-1078.	2.9	36
248	Carbon Nanotubes Decorated with CoP Nanocrystals: A Highly Active Nonâ€Nobleâ€Metal Nanohybrid Electrocatalyst for Hydrogen Evolution. Angewandte Chemie - International Edition, 2014, 53, 6710-6714.	7.2	939
249	Self-Supported Nanoporous Cobalt Phosphide Nanowire Arrays: An Efficient 3D Hydrogen-Evolving Cathode over the Wide Range of pH 0â€“14. Journal of the American Chemical Society, 2014, 136, 7587-7590.	6.6	2,208
250	BCNO nanoparticles: A novel highly efficient fluorosensor for ultrarapid detection of Cu2+. Sensors and Actuators B: Chemical, 2014, 194, 492-497.	4.0	19
251	Ultrathin Graphitic C₃N₄ Nanosheets/Graphene Composites: Efficient Organic Electrocatalyst for Oxygen Evolution Reaction. ChemSusChem, 2014, 7, 2125-2130.	3.6	232
252	Facile synthesis of doped ZnO-CdO nanoblocks as solid-phase adsorbent and efficient solar photo-catalyst applications. Journal of Industrial and Engineering Chemistry, 2014, 20, 2278-2286.	2.9	34

#	Article	IF	Citations
253	Selfâ€Supported Cu₃P Nanowire Arrays as an Integrated Highâ€Performance Threeâ€Dimensional Cathode for Generating Hydrogen from Water. Angewandte Chemie - International Edition, 2014, 53, 9577-9581.	7.2	784
254	A new way of synthesis nanohybrid cation-exchanger applicable for membrane electrode. Polymer Composites, 2014, 35, 1436-1443.	2.3	16
255	Self-Supported FeP Nanorod Arrays: A Cost-Effective 3D Hydrogen Evolution Cathode with High Catalytic Activity. ACS Catalysis, 2014, 4, 4065-4069.	5.5	419
256	Closely Interconnected Network of Molybdenum Phosphide Nanoparticles: A Highly Efficient Electrocatalyst for Generating Hydrogen from Water. Advanced Materials, 2014, 26, 5702-5707.	11.1	783
257	Preparation, Electrical Conductivity, and Thermal Studies on Silver Doped Polyaniline Phosphotungstate Nanocomposite. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2014, 44, 1526-1530.	0.6	9
258	Activated carbon nanotubes: a highly-active metal-free electrocatalyst for hydrogen evolution reaction. Chemical Communications, 2014, 50, 9340-9342.	2.2	187
259	CoP nanostructures with different morphologies: synthesis, characterization and a study of their electrocatalytic performance toward the hydrogen evolution reaction. Journal of Materials Chemistry A, 2014, 2, 14634.	5.2	227
260	Cobalt phosphide nanoparticles film growth on carbon cloth: A high-performance cathode for electrochemical hydrogen evolution. International Journal of Hydrogen Energy, 2014, 39, 16806-16811.	3.8	90
261	Graphitic carbon nitride nanosheets: one-step, high-yield synthesis and application for Cu²⁺detection. Analyst, The, 2014, 139, 5065-5068.	1.7	111
262	Hematite nanorods array on carbon cloth as an efficient 3D oxygen evolution anode. Electrochemistry Communications, 2014, 49, 21-24.	2.3	39
263	CoP Nanosheet Arrays Supported on a Ti Plate: An Efficient Cathode for Electrochemical Hydrogen Evolution. Chemistry of Materials, 2014, 26, 4326-4329.	3.2	285
264	A Costâ€Effective 3D Hydrogen Evolution Cathode with High Catalytic Activity: FeP Nanowire Array as the Active Phase. Angewandte Chemie - International Edition, 2014, 53, 12855-12859.	7.2	816
265	Micellization of Amphiphilic Drug with Pharmaceutical Excipients in Aqueous Electrolytic Solution: Composition, Interaction, and Stability of the Aggregates. Journal of Dispersion Science and Technology, 2014, 35, 1588-1598.	1.3	5
266	Mo₂C Nanoparticles Decorated Graphitic Carbon Sheets: Biopolymer-Derived Solid-State Synthesis and Application as an Efficient Electrocatalyst for Hydrogen Generation. ACS Catalysis, 2014, 4, 2658-2661.	5.5	343
267	Three-dimensional interconnected network of nanoporous CoP nanowires as an efficient hydrogen evolution cathode. Physical Chemistry Chemical Physics, 2014, 16, 16909.	1.3	90
268	Catalysis by metalâ€"organic frameworks in water. Chemical Communications, 2014, 50, 12800-12814.	2.2	117
269	Template-assisted synthesis of CoP nanotubes to efficiently catalyze hydrogen-evolving reaction. Journal of Materials Chemistry A, 2014, 2, 14812-14816.	5.2	147
270	Ni₂P nanoparticle films supported on a Ti plate as an efficient hydrogen evolution cathode. Nanoscale, 2014, 6, 11031-11034.	2.8	277

#	Article	IF	Citations
271	Three-Dimensional Porous Supramolecular Architecture from Ultrathin g-C₃N₄ Nanosheets and Reduced Graphene Oxide: Solution Self-Assembly Construction and Application as a Highly Efficient Metal-Free Electrocatalyst for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2014, 6, 1011-1017.	4.0	235
272	A Costâ€Effective 3D Hydrogen Evolution Cathode with High Catalytic Activity: FeP Nanowire Array as the Active Phase. Angewandte Chemie, 2014, 126, 13069-13073.	1.6	168
273	Physicoâ€Chemical Investigations of Mixed Micelles of Cationic Gemini and Conventional Surfactants: a Conductometric Study. Journal of Surfactants and Detergents, 2013, 16, 77-84.	1.0	8
274	Ultrathin graphitic carbon nitride nanosheets: a low-cost, green, and highly efficient electrocatalyst toward the reduction of hydrogen peroxide and its glucose biosensing application. Nanoscale, 2013, 5, 8921.	2.8	321
275	Solâ€"gel synthesis and characterization of conducting polythiophene/tin phosphate nano tetrapod composite cation-exchanger and its application as Hg(II) selective membrane electrode. Journal of Sol-Gel Science and Technology, 2013, 65, 160-169.	1.1	32
276	Green synthesis of carbon nanodots as an effective fluorescent probe for sensitive and selective detection of mercury(II) ions. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	75
277	Effect of anionic surfactant sodium dodecyl sulfate on the reaction of hexacyanoferrate(III) oxidation of levothyroxine in aqueous medium: a kinetic and mechanistic approach. Research on Chemical Intermediates, 2013, 39, 2379-2389.	1.3	5
278	Au-Nanoparticle-Loaded Graphitic Carbon Nitride Nanosheets: Green Photocatalytic Synthesis and Application toward the Degradation of Organic Pollutants. ACS Applied Materials & Interfaces, 2013, 5, 6815-6819.	4.0	493
279	Microwave-assisted rapid green synthesis of photoluminescent carbon nanodots from flour and their applications for sensitive and selective detection of mercury(II) ions. Sensors and Actuators B: Chemical, 2013, 184, 156-162.	4.0	226
280	Ultrathin graphitic carbon nitride nanosheets: a novel peroxidase mimetic, Fe doping-mediated catalytic performance enhancement and application to rapid, highly sensitive optical detection of glucose. Nanoscale, 2013, 5, 11604.	2.8	300
281	Interaction of the Amphiphilic Drug Amitriptyline Hydrochloride with Gemini and Conventional Surfactants: A Physicochemical Approach. Journal of Solution Chemistry, 2013, 42, 1532-1544.	0.6	24
282	Green, low-cost synthesis of photoluminescent carbon dots by hydrothermal treatment of willow bark and their application as an effective photocatalyst for fabricating Au nanoparticlesâ€"reduced graphene oxide nanocomposites for glucose detection. Catalysis Science and Technology, 2013, 3, 1027.	2.1	193
283	Analysis of Mixed Micellar Behavior of Promazine Hydrochloride with Surfactants in Aqueous Medium at Different Temperatures and Compositions. Zeitschrift Fur Physikalische Chemie, 2013, 227, 1671-1686.	1.4	4
284	Ultrathin Graphitic Carbon Nitride Nanosheet: A Highly Efficient Fluorosensor for Rapid, Ultrasensitive Detection of Cu²⁺. Analytical Chemistry, 2013, 85, 5595-5599.	3.2	448
285	Effect of Organic Additives on the Phase Separation Phenomenon of Amphiphilic Drug Solutions. Journal of Surfactants and Detergents, 2012, 15, 765-775.	1.0	14
286	Economical, Green Synthesis of Fluorescent Carbon Nanoparticles and Their Use as Probes for Sensitive and Selective Detection of Mercury(II) Ions. Analytical Chemistry, 2012, 84, 5351-5357.	3.2	986
287	Ternary Nanocomposites of Porphyrin, Angular Au Nanoparticles and Reduced Graphene Oxide: Photocatalytic Synthesis and Enhanced Photocurrent Generation. ChemCatChem, 2012, 4, 1079-1083.	1.8	25
288	Novel synthesis of Au nanoparticles using fluorescent carbon nitride dots as photocatalyst. Gold Bulletin, 2012, 45, 61-67.	1.1	24

#	Article	IF	Citations
289	Hydrothermal Treatment of Grass: A Lowâ€Cost, Green Route to Nitrogenâ€Doped, Carbonâ€Rich, Photoluminescent Polymer Nanodots as an Effective Fluorescent Sensing Platform for Labelâ€Free Detection of Cu(II) Ions. Advanced Materials, 2012, 24, 2037-2041.	11.1	1,345
290	Comparative Green and Conventional Synthesis of 2-Hydroxy-1-Naphthaldehyde Based Barbiturates and Their DFT Study. Polycyclic Aromatic Compounds, 0, , 1-17.	1.4	2