Abdullah M Asiri

List of Publications by Year
in descending order

290 papers	41,819 citations	1614 105 h-index	2385 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.	2.6	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.	2.4	33
3	Extraction and Characterization of Cellulose Fibers from the Stem of Momordica Charantia. Journal of Natural Fibers, 2022, 19, 2232-2242.	3.1	38
4	Extraction and Characterization of Natural Fibers from Citrullus lanatus Climber. Journal of Natural Fibers, 2022, 19, 621-629.	3.1	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.	3.3	5
6	Enhancing electrocatalytic N2-to-NH3 fixation by suppressing hydrogen evolution with alkylthiols modified Fe3P nanoarrays. Nano Research, 2022, 15, 1039-1046.	10.4	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.	9.4	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.	3.1	33
9	Superior hydrogen evolution electrocatalysis enabled by CoP nanowire array on graphite felt. International Journal of Hydrogen Energy, 2022, 47, 3580-3586.	7.1	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.	3.6	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.	2.2	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.	2.2	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.	7.5	9
14	Bio-composite film from corn starch based vetiver cellulose. Journal of Natural Fibers, 2022, 19, 14634-14644.	3.1	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.	3.1	5
16	Isolation and Characterization of New Cellulosic Microfibers from Pandan Duri (Pandanus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	3.1	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.	3.1	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.	3.1	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.	3.4	4
20	Recent Advances in 1D Electrospun Nanocatalysts for Electrochemical Water Splitting. Small Structures, 2021, 2, 2000048.	12.0	157
21	Iron-group electrocatalysts for ambient nitrogen reduction reaction in aqueous media. Nano Research, 2021, 14, 555-569.	10.4	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.	9.0	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.	10.3	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.	3.6	25
26	High-efficiency nitrate electroreduction to ammonia on electrodeposited cobaltâ€“phosphorus alloy film. Chemical Communications, 2021, 57, 9720-9723.	4.1	58
27	Effect of low levels of hydrotropes on micellization of phenothiazine drug. Korean Journal of Chemical Engineering, 2021, 38, 386-399.	2.7	4
28	Nanoparticles Addition in Coirâ€Basaltâ€Innegra Fibers Reinforced Bio-synthetic Epoxy Composites. Journal of Polymers and the Environment, 2021, 29, 3561-3573.	5.0	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.	4.5	18
30	Novel Aminosilane (APTES)-Grafted Polyaniline@Graphene Oxide (PANI-GO) Nanocomposite for Electrochemical Sensor. Polymers, 2021, 13, 2562.	4.5	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.	4.6	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.	9.4	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.	5.0	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.	6.0	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.	10.3	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.	4.5	80

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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.	10.3	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.	4.5	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.	2.2	11
40	Bacillus-Mediated Silver Nanoparticle Synthesis and Its Antagonistic Activity against Bacterial and Fungal Pathogens. Antibiotics, 2021, 10, 1334.	3.7	15
41	Development of Cd (II) Ion Probe Based on Novel Polyaniline-Multiwalled Carbon Nanotube-3-aminopropyltriethoxylsilane Composite. Membranes, 2021, 11, 853.	3.0	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.	2.5	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.	12.7	61
44	Highly Selective Electrochemical Reduction of CO₂ to Alcohols on an FeP Nanoarray. Angewandte Chemie, 2020, 132, 768-772.	2.0	26
45	Highly Selective Electrochemical Reduction of CO₂ to Alcohols on an FeP Nanoarray. Angewandte Chemie - International Edition, 2020, 59, 758-762.	13.8	132
46	Fluorescent Copper Nanoclusters for the Iodide-Enhanced Detection of Hypochlorous Acid. ACS Applied Nano Materials, 2020, 3, 312-318.	5.0	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.	10.3	295
48	Oxidationâ€etching induced morphology regulation of Cu catalysts for highâ€performance electrochemical <scp>N₂</scp> reduction. EcoMat, 2020, 2, e12026.	11.9	13
49	BaSrLaFe12O19 nanorods: optical and magnetic properties. Journal of Materials Science: Materials in Electronics, 2020, 31, 8022-8032.	2.2	12
50	Hierarchical CuO@ZnCo LDH heterostructured nanowire arrays toward enhanced water oxidation electrocatalysis. Nanoscale, 2020, 12, 5359-5362.	5.6	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.	7.5	135
52	Hybrid poly(ether-arylidene-ether-sulphone)s derivatives for divalent cobalt ion detection. SN Applied Sciences, 2020, 2, 1.	2.9	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.	10.2	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.	0.6	1

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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.	2.4	4
56	Spinel LiMn₂O₄ Nanofiber: An Efficient Electrocatalyst for N₂ Reduction to NH₃ under Ambient Conditions. Inorganic Chemistry, 2019, 58, 9597-9601.	4.0	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.	10.3	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.	1.9	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.	3.5	40
60	Electrocatalytic N₂-to-NH₃ conversion using oxygen-doped graphene: experimental and theoretical studies. Chemical Communications, 2019, 55, 7502-7505.	4.1	78
61	Equilibrium, Kinetics and Thermodynamics of Bovine Serum Albumin from Carbon Based Materials Obtained from Food Wastes. BioNanoScience, 2019, 9, 692-701.	3.5	9
62	A perovskite La₂Ti₂O₇nanosheet as an efficient electrocatalyst for artificial N₂fixation to NH₃in acidic media. Chemical Communications, 2019, 55, 6401-6404.	4.1	74
63	The Kinetic Parameters of Adsorption of Enzymes Using Carbon-Based Materials Obtained from Different Food Wastes. BioNanoScience, 2019, 9, 749-757.	3.5	8
64	Thermodynamics, Kinetics, and Adsorption Properties of Biomolecules onto Carbon-Based Materials Obtained from Food Wastes. BioNanoScience, 2019, 9, 672-682.	3.5	10
65	Metalâ€“Organic Framework Enhances Aggregation-Induced Fluorescence of Chlortetracycline and the Application for Detection. Analytical Chemistry, 2019, 91, 5913-5921.	6.5	130
66	Hexagonal boron nitride nanosheet for effective ambient N2 fixation to NH3. Nano Research, 2019, 12, 919-924.	10.4	120
67	Oxygenâ€Doped Porous Carbon Nanosheet for Efficient N₂ Fixation to NH₃ at Ambient Conditions. ChemistrySelect, 2019, 4, 3547-3550.	1.5	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.	10.4	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 1 326-333.	1.9	12
70	Structured Polyaniline: An Efficient and Durable Electrocatalyst for the Nitrogen Reduction Reaction in Acidic Media. ChemElectroChem, 2019, 6, 2215-2218.	3.4	16
71	Sulfur-doped graphene for efficient electrocatalytic N₂-to-NH₃ fixation. Chemical Communications, 2019, 55, 3371-3374.	4.1	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.	3.6	10

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73	Sulfur dotsâ€“graphene nanohybrid: a metal-free electrocatalyst for efficient N₂-to-NH₃ fixation under ambient conditions. Chemical Communications, 2019, 55, 3152-3155.	4.1	106
74	Oneâ€Step Preparation of Cobaltâ€Nanoparticleâ€Embedded Carbon for Effective Water Oxidation Electrocatalysis. ChemElectroChem, 2019, 6, 1996-1999.	3.4	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.	1.9	19
76	High-Performance N₂-to-NH₃ Conversion Electrocatalyzed by Mo₂C Nanorod. ACS Central Science, 2019, 5, 116-121.	11.3	292
77	Sensitive detection and imaging of endogenous peroxynitrite using a benzo[d]thiazole derived cyanine probe. Talanta, 2019, 196, 345-351.	5.5	27
78	Single microbead-based fluorescence â€œturn onâ€•detection of biothiols by flow cytometry. Talanta, 2019, 195, 197-203.	5.5	8
79	Engineering UiOâ€66 Metal Organic Framework for Heterogeneous Catalysis. ChemCatChem, 2019, 11, 899-923.	3.7	182
80	Arylnaphthalene lactone analogues: synthesis and development as excellent biological candidates for future drug discovery. RSC Advances, 2018, 8, 9487-9502.	3.6	43
81	Hierarchical CoTe₂ Nanowire Array: An Effective Oxygen Evolution Catalyst in Alkaline Media. ACS Sustainable Chemistry and Engineering, 2018, 6, 4481-4485.	6.7	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.	6.7	193
83	CaMoO4 nanosheet arrays for efficient and durable water oxidation electrocatalysis under alkaline conditions. Chemical Communications, 2018, 54, 5066-5069.	4.1	30
84	Citrate-modified Mgâ€“Al layered double hydroxides for efficient removal of lead from water. Environmental Chemistry Letters, 2018, 16, 561-567.	16.2	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.	5.6	197
86	An Fe-MOF nanosheet array with superior activity towards the alkaline oxygen evolution reaction. Inorganic Chemistry Frontiers, 2018, 5, 1405-1408.	6.0	97
87	Co-Doped CuO Nanoarray: An Efficient Oxygen Evolution Reaction Electrocatalyst with Enhanced Activity. ACS Sustainable Chemistry and Engineering, 2018, 6, 2883-2887.	6.7	277
88	Cathodic electrochemical activation of Co₃O₄ nanoarrays: a smart strategy to significantly boost the hydrogen evolution activity. Chemical Communications, 2018, 54, 2150-2153.	4.1	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.	4.1	120
90	Fluorescent MUA-stabilized Au nanoclusters for sensitive and selective detection of penicillamine. Analytical and Bioanalytical Chemistry, 2018, 410, 2629-2636.	3.7	24

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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.	4.1	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.	7.5	9
93	Efficient Hydrogen Evolution Electrocatalysis at Alkaline pH by Interface Engineering of Ni₂Pâ€“CeO₂. Inorganic Chemistry, 2018, 57, 548-552.	4.0	78
94	Ultrafine PtO₂ nanoparticles coupled with a Co(OH)F nanowire array for enhanced hydrogen evolution. Chemical Communications, 2018, 54, 810-813.	4.1	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.	21.0	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.	10.3	212
97	FeMoO₄nanorod array: a highly active 3D anode for water oxidation under alkaline conditions. Inorganic Chemistry Frontiers, 2018, 5, 665-668.	6.0	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.	7.1	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.	1.5	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.	4.9	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.	18.8	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.	7.8	287
104	MnO2-CoP3 nanowires array: An efficient electrocatalyst for alkaline oxygen evolution reaction with enhanced activity. Electrochemistry Communications, 2018, 86, 161-165.	4.7	202
105	Recent advances in emerging 2D nanomaterials for biosensing and bioimaging applications. Materials Today, 2018, 21, 164-177.	14.2	145
106	Boosted Electrocatalytic N₂ Reduction to NH₃ by Defectâ€Rich MoS₂ Nanoflower. Advanced Energy Materials, 2018, 8, 1801357.	19.5	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.	2.5	17
108	Electrochemical Ammonia Synthesis via Nitrogen Reduction Reaction on a MoS₂ Catalyst: Theoretical and Experimental Studies. Advanced Materials, 2018, 30, e1800191.	21.0	697

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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.	6.7	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.	1.3	3
111	Efficient Electrochemical N₂ Reduction to NH₃ on MoN Nanosheets Array under Ambient Conditions. ACS Sustainable Chemistry and Engineering, 2018, 6, 9550-9554.	6.7	210
112	Graphene Oxide Based Metallic Nanoparticles and their Some Biological and Environmental Application. Current Drug Metabolism, 2018, 18, 1020-1029.	1.2	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.	4.6	6
114	Replacing Oxygen Evolution with Hydrazine Oxidation at the Anode for Energyâ€Saving Electrolytic Hydrogen Production. ChemElectroChem, 2017, 4, 481-484.	3.4	63
115	Fe-Doped Ni₂P Nanosheet Array for High-Efficiency Electrochemical Water Oxidation. Inorganic Chemistry, 2017, 56, 1041-1044.	4.0	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.	6.5	44
117	NiCoP Nanoarray: A Superior Pseudocapacitor Electrode with High Areal Capacitance. Chemistry - A European Journal, 2017, 23, 4435-4441.	3.3	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.	6.0	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.	7.5	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.	6.0	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.	10.3	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.	5.6	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.	4.7	63
124	Metal Organic Frameworks as Versatile Hosts of Au Nanoparticles in Heterogeneous Catalysis. ACS Catalysis, 2017, 7, 2896-2919.	11.2	184
125	Al-Doped CoP nanoarray: a durable water-splitting electrocatalyst with superhigh activity. Nanoscale, 2017, 9, 4793-4800.	5.6	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.	3.3	140

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127	A nickel-borate nanoarray: a highly active 3D oxygen-evolving catalyst electrode operating in near-neutral water. Chemical Communications, 2017, 53, 3070-3073.	4.1	79
128	Design and Application of Foams for Electrocatalysis. ChemCatChem, 2017, 9, 1721-1743.	3.7	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.	3.3	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.	4.0	51
131	Interconnected Network of Coreâ€“Shell CoP@CoBiPi for Efficient Water Oxidation Electrocatalysis under Near Neutral Conditions. ChemSusChem, 2017, 10, 1370-1374.	6.8	59
132	Cobalt phosphide nanowire array as an effective electrocatalyst for non-enzymatic glucose sensing. Journal of Materials Chemistry B, 2017, 5, 1901-1904.	5.8	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.	10.3	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.	8.0	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.	10.0	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.	6.0	225
137	Hydrazine-assisted electrolytic hydrogen production: CoS₂nanoarray as a superior bifunctional electrocatalyst. New Journal of Chemistry, 2017, 41, 4754-4757.	2.8	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.	3.4	345
139	Enhanced Electrocatalysis for Energyâ€Efficient Hydrogen Production over CoP Catalyst with Nonelectroactive Zn as a Promoter. Advanced Energy Materials, 2017, 7, 1700020.	19.5	519
140	Electrochemical Hydrazine Oxidation Catalyzed by Iron Phosphide Nanosheets Array toward Energyâ€Efficient Electrolytic Hydrogen Production from Water. ChemistrySelect, 2017, 2, 3401-3407.	1.5	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.	4.1	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.	4.9	27
143	Co-based nanowire films as complementary hydrogen- and oxygen-evolving electrocatalysts in neutral electrolyte. Catalysis Science and Technology, 2017, 7, 2689-2694.	4.1	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.	4.1	49

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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.	2.7	13
146	Threeâ€Dimensional Nickelâ€“Borate Nanosheets Array for Efficient Oxygen Evolution at Nearâ€Neutral pH. Chemistry - A European Journal, 2017, 23, 6959-6963.	3.3	43
147	Coreâ€“Shellâ€Structured NiS₂@Niâ€B_i Nanoarray for Efficient Water Oxidation at Nearâ€Neutral pH. ChemCatChem, 2017, 9, 3138-3143.	3.7	32
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