Abdullah M Asiri

List of Publications by Year in Descending Order

325 papers	33,702 citations	96 h-index	179 g-index
330 ext. papers	38,147 ext. citations	7 avg, IF	7.85 L-index

#	Paper	IF	Citations
325	Superior hydrogen evolution electrocatalysis enabled by CoP nanowire array on graphite felt. *International Journal of Hydrogen Energy*, **2022**, 47, 3580-3586	6.7	22
324	Donor moieties with D-□a framing modulated electronic and nonlinear optical properties for non-fullerene-based chromophores.. *RSC Advances*, **2022**, 12, 4209-4223	3.7	3
323	NiP nanosheet array for high-efficiency electrohydrogenation of nitrite to ammonia at ambient conditions. *Journal of Colloid and Interface Science*, **2022**, 606, 1055-1063	9.3	17
322	Synthesis, Characterization and Bio-Potential Activities of Co(II) and Ni(II) Complexes with O and N Donor Mixed Ligands. *Crystals*, **2022**, 12, 326	2.3	1
321	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	2.3	0
320	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	7.9	1
319	Development of Cd (II) Ion Probe Based on Novel Polyaniline-Multiwalled Carbon Nanotube-3-aminopropyltriethoxylsilane Composite. *Membranes*, **2021**, 11,	3.8	2
318	High-efficiency electrohydrogenation of nitric oxide to ammonia on a Ni2P nanoarray under ambient conditions. *Journal of Materials Chemistry A*, **2021**, 9, 24268-24275	13	19
317	Efficient Synthesis and Characterization of Polyaniline@Aluminium-Succinate Metal-Organic Frameworks Nanocomposite and Its Application for Zn(II) Ion Sensing. *Polymers*, **2021**, 13,	4.5	1
316	A Brief Study on Optical and Mechanical Properties of an Organic Material: Urea Glutaric Acid (2/1)□ Third Order Nonlinear Optical Single Crystal. *Crystals*, **2021**, 11, 1239	2.3	1
315	Microwave-Assisted Graphene-Based Conducting Polymer Materials for Supercapacitors **2021**, 299-326		2
314	-Mediated Silver Nanoparticle Synthesis and Its Antagonistic Activity against Bacterial and Fungal Pathogens. *Antibiotics*, **2021**, 10,	4.9	2
313	Nanoparticles Addition in Coir-Basalt-Innegra Fibers Reinforced Bio-synthetic Epoxy Composites. *Journal of Polymers and the Environment*, **2021**, 29, 3561-3573	4.5	6
312	Fabrication of Reproducible and Selective Ammonia Vapor Sensor-Pellet of Polypyrrole/Cerium Oxide Nanocomposite for Prompt Detection at Room Temperature. *Polymers*, **2021**, 13,	4.5	6
311	Novel Aminosilane (APTES)-Grafted Polyaniline@Graphene Oxide (PANI-GO) Nanocomposite for Electrochemical Sensor. *Polymers*, **2021**, 13,	4.5	4
310	Effect of TiC 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	3	4
309	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	3.2	3

308	Recent Advances in 1D Electrospun Nanocatalysts for Electrochemical Water Splitting. *Small Structures*, **2021**, 2, 2000048	8.7	86
307	Iron-group electrocatalysts for ambient nitrogen reduction reaction in aqueous media. *Nano Research*, **2021**, 14, 555-569	10	84
306	Titanium-based metal-organic frameworks for photocatalytic applications **2021**, 37-63		2
305	Magnetron sputtering enabled sustainable synthesis of nanomaterials for energy electrocatalysis. *Green Chemistry*, **2021**, 23, 2834-2867	10	40
304	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	3.7	9
303	High-efficiency nitrate electroreduction to ammonia on electrodeposited cobalt-phosphorus alloy film. *Chemical Communications*, **2021**, 57, 9720-9723	5.8	19
302	Effect of low levels of hydrotropes on micellization of phenothiazine drug. *Korean Journal of Chemical Engineering*, **2021**, 38, 386-399	2.8	2
301	Biofibers and Biopolymers for Biocomposites In the Eyes of Spectroscopy **2021**, 197-211		
300	Reduced graphene oxide supported ZIF-67 derived CoP enables high-performance potassium ion storage. *Journal of Colloid and Interface Science*, **2021**, 604, 319-326	9.3	9
299	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	4.5	13
298	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	13	45
297	Oxidation-etching induced morphology regulation of Cu catalysts for high-performance electrochemical N2 reduction. *EcoMat*, **2020**, 2, e12026	9.4	7
296	Extraction and Characterization of Natural Fibers from Citrullus lanatus Climber. *Journal of Natural Fibers*, **2020**, 1-9	1.8	20
295	BaSrLaFe12O19 nanorods: optical and magnetic properties. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 8022-8032	2.1	8
294	Recent Advances of Hybrid Fiber Composites for Various Applications **2020**, 381-404		2
293	Failure Mechanisms of Fiber Composites **2020**, 99-116		
292	Natural and Synthetic Fibers for Hybrid Composites **2020**, 1-15		4
291	Flame-Retardant Balsa Wood/GFRP Sandwich Composites, Mechanical Evaluation, and Comparisons with Other Sandwich Composites **2020**, 169-195		

290	Biocomposites Reinforced with Animal and Regenerated Fibers **2020**, 197-215		1
289	Characterization of Mechanical and Tribological Properties of Vinyl Ester-Based Hybrid Green Composites **2020**, 233-263		1
288	Thermomechanical Characterization of Vacuum Resin Infusion-Molded Ceramic Rock-Derived Natural Wool-Reinforced Epoxy and Cashew Nut Shell Liquid-Based Composites **2020**, 265-306		1
287	Hydrogel Scaffold-Based Fiber Composites for Engineering Applications **2020**, 307-350		2
286	Experimental Analysis of Styrene, Particle Size, and Fiber Content in the Mechanical Properties of Sisal Fiber Powder Composites **2020**, 351-367		0
285	Influence of Fiber Content in the Water Absorption and Mechanical Properties of Sisal Fiber Powder Composites **2020**, 369-380		
284	Recent Advances of Hybrid Fiber Composites for Various Applications **2020**, 381-404		
283	Effect of Process Engineering on the Performance of Hybrid Fiber Composites **2020**, 17-40		1
282	Mechanical and Physical Test of Hybrid Fiber Composites **2020**, 41-68		0
281	Experimental Investigations in the Drilling of Hybrid Fiber Composites **2020**, 69-85		2
280	Fracture Analysis on Silk and Glass Fiber-Reinforced Hybrid Composites **2020**, 87-97		0
279	Ballistic Behavior of Fiber Composites **2020**, 117-127		
278	Mechanical Behavior of Synthetic/Natural Fibers in Hybrid Composites **2020**, 129-146		2
277	Bast Fiber-Based Polymer Composites **2020**, 147-167		4
276	Hierarchical CuO@ZnCo LDH heterostructured nanowire arrays toward enhanced water oxidation electrocatalysis. *Nanoscale*, **2020**, 12, 5359-5362	7.7	68
275	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	7.9	55
274	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*, **2020**, 1-18	1.8	1
273	Hybrid poly(ether-arylidene-ether-sulphone)s derivatives for divalent cobalt ion detection. *SN Applied Sciences*, **2020**, 2, 1	1.8	2

272	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	10.3	35
271	Cellulose Derived Graphene/Polyaniline Nanocomposite Anode for Energy Generation and Bioremediation of Toxic Metals via Benthic Microbial Fuel Cells. *Polymers*, **2020**, 13,	4.5	41
270	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	0.7	1
269	Highly Selective Electrochemical Reduction of CO2 to Alcohols on an FeP Nanoarray. *Angewandte Chemie*, **2020**, 132, 768-772	3.6	14
268	Highly Selective Electrochemical Reduction of CO to Alcohols on an FeP Nanoarray. *Angewandte Chemie - International Edition*, **2020**, 59, 758-762	16.4	73
267	Characterization of Natural Fibers from Cortaderia Selloana Grass (Pampas) as Reinforcement Material for the Production of the Composites. *Journal of Natural Fibers*, **2020**, 1-9	1.8	33
266	Fluorescent Copper Nanoclusters for the Iodide-Enhanced Detection of Hypochlorous Acid. *ACS Applied Nano Materials*, **2020**, 3, 312-318	5.6	9
265	Effect of alkali treatment on performance characterization of Ziziphus mauritiana fiber and its epoxy composites. *Journal of Industrial Textiles*, **2020**, 152808372094261	1.6	17
264	Iron-based phosphides as electrocatalysts for the hydrogen evolution reaction: recent advances and future prospects. *Journal of Materials Chemistry A*, **2020**, 8, 19729-19745	13	166
263	Extraction and Characterization of Cellulose Fibers from the Stem of Momordica Charantia. *Journal of Natural Fibers*, **2020**, 1-11	1.8	24
262	The effect of γ-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	2.6	6
261	All-inorganic perovskite quantum dots CsPbX3 (Br/I) for highly sensitive and selective detection of explosive picric acid. *Chemical Engineering Journal*, **2020**, 379, 122360	14.7	27
260	Fabrication and Functionalization Strategies of MOFs and Their Derived Materials MOF Architecture**2020**, 63-100		3
259	Micellization behavior of bile salt with pluronic (F-127) and synthesis of silver nanoparticles in a mixed system. *Journal of Physical Organic Chemistry*, **2019**, 32, e3964	2.1	4
258	Plant-supported silver nanoparticles: Efficient, economically viable and easily recoverable catalyst for the reduction of organic pollutants. *Applied Organometallic Chemistry*, **2019**, 33, e4971	3.1	20
257	Electrocatalytic N-to-NH conversion using oxygen-doped graphene: experimental and theoretical studies. *Chemical Communications*, **2019**, 55, 7502-7505	5.8	63
256	Equilibrium, Kinetics and Thermodynamics of Bovine Serum Albumin from Carbon Based Materials Obtained from Food Wastes. *BioNanoScience*, **2019**, 9, 692-701	3.4	5
255	A perovskite LaTiO nanosheet as an efficient electrocatalyst for artificial N fixation to NH in acidic media. *Chemical Communications*, **2019**, 55, 6401-6404	5.8	58

254	The Kinetic Parameters of Adsorption of Enzymes Using Carbon-Based Materials Obtained from Different Food Wastes. *BioNanoScience*, **2019**, 9, 749-757	3.4	6
253	Thermodynamics, Kinetics, and Adsorption Properties of Biomolecules onto Carbon-Based Materials Obtained from Food Wastes. *BioNanoScience*, **2019**, 9, 672-682	3.4	6
252	Metal-Organic Framework Enhances Aggregation-Induced Fluorescence of Chlortetracycline and the Application for Detection. *Analytical Chemistry*, **2019**, 91, 5913-5921	7.8	65
251	Hexagonal boron nitride nanosheet for effective ambient N2 fixation to NH3. *Nano Research*, **2019**, 12, 919-924	10	88
250	Oxygen-Doped Porous Carbon Nanosheet for Efficient N2 Fixation to NH3 at Ambient Conditions. *ChemistrySelect*, **2019**, 4, 3547-3550	1.8	19
249	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	66
248	A study on optical limiting properties of Eosin-Y and Eriochrome Black-T dye-doped poly (vinyl alcohol) composite film. *International Journal of Polymer Analysis and Characterization*, **2019**, 24, 326-333	1.7	7
247	Structured Polyaniline: An Efficient and Durable Electrocatalyst for the Nitrogen Reduction Reaction in Acidic Media. *ChemElectroChem*, **2019**, 6, 2215-2218	4.3	8
246	Sulfur-doped graphene for efficient electrocatalytic N-to-NH fixation. *Chemical Communications*, **2019**, 55, 3371-3374	5.8	131
245	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	3.7	5
244	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	1.6	4
243	Spinel LiMnO Nanofiber: An Efficient Electrocatalyst for N Reduction to NH under Ambient Conditions. *Inorganic Chemistry*, **2019**, 58, 9597-9601	5.1	72
242	An MnO2⊞i3C2Tx 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	13	73
241	Sulfur dots-graphene nanohybrid: a metal-free electrocatalyst for efficient N-to-NH fixation under ambient conditions. *Chemical Communications*, **2019**, 55, 3152-3155	5.8	88
240	One-Step Preparation of Cobalt-Nanoparticle-Embedded Carbon for Effective Water Oxidation Electrocatalysis. *ChemElectroChem*, **2019**, 6, 1996-1999	4.3	5
239	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	1.7	10
238	Extraction and characterization of natural fiber from Eleusine indica grass as reinforcement of sustainable fiber reinforced polymer composites. *Journal of Natural Fibers*, **2019**, 1-9	1.8	36
237	High-Performance N-to-NH Conversion Electrocatalyzed by MoC Nanorod. *ACS Central Science*, **2019**, 5, 116-121	16.8	223

236	Sensitive detection and imaging of endogenous peroxynitrite using a benzo[d]thiazole derived cyanine probe. *Talanta*, **2019**, 196, 345-351	6.2	16
235	Single microbead-based fluorescence "turn on" detection of biothiols by flow cytometry. *Talanta*, **2019**, 195, 197-203	6.2	6
234	Engineering UiO-66 Metal Organic Framework for Heterogeneous Catalysis. *ChemCatChem*, **2019**, 11, 899-923	5.2	104
233	Arylnaphthalene lactone analogues: synthesis and development as excellent biological candidates for future drug discovery.. *RSC Advances*, **2018**, 8, 9487-9502	3.7	33
232	Hierarchical CoTe2 Nanowire Array: An Effective Oxygen Evolution Catalyst in Alkaline Media. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 4481-4485	8.3	32
231	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	8.3	172
230	CaMoO nanosheet arrays for efficient and durable water oxidation electrocatalysis under alkaline conditions. *Chemical Communications*, **2018**, 54, 5066-5069	5.8	23
229	Citrate-modified Mg□Al layered double hydroxides for efficient removal of lead from water. *Environmental Chemistry Letters*, **2018**, 16, 561-567	13.3	12
228	Self Healing Materials and Conductivity **2018**, 163-180		2
227	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	7.7	178
226	An Fe-MOF nanosheet array with superior activity towards the alkaline oxygen evolution reaction. *Inorganic Chemistry Frontiers*, **2018**, 5, 1405-1408	6.8	73
225	Recent Advances in Chitosan-Based Films for Novel Biosensor **2018**, 137-161		3
224	Electrically Conductive Polymers and Composites for Biomedical Applications **2018**, 219-235		1
223	Multifunctional Polymer-Dilute Magnetic Conductor and Bio-Devices **2018**, 31-46		
222	Graphene and Graphene Oxide Polymer Composite for Biosensors Applications **2018**, 93-112		1
221	Polymer□horganic Nanocomposite and Biosensors **2018**, 47-68		
220	Co-Doped CuO Nanoarray: An Efficient Oxygen Evolution Reaction Electrocatalyst with Enhanced Activity. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 2883-2887	8.3	211
219	Synthesis of Polyaniline-Based Nanocomposite Materials and Their Biomedical Applications **2018**, 199-218		

218	Cathodic electrochemical activation of CoO nanoarrays: a smart strategy to significantly boost the hydrogen evolution activity. *Chemical Communications*, **2018**, 54, 2150-2153	5.8	48
217	Polyaniline Nanocomposite Materials for Biosensor Designing **2018**, 113-135		3
216	Electrical Conductivity and Biological Efficacy of Ethyl Cellulose and Polyaniline-Based Composites **2018**, 181-197		10
215	Carbon Nanomaterial-Based Conducting Polymer Composites for Biosensing Applications **2018**, 69-91		1
214	An Fe(TCNQ) nanowire array on Fe foil: an efficient non-noble-metal catalyst for the oxygen evolution reaction in alkaline media. *Chemical Communications*, **2018**, 54, 2300-2303	5.8	102
213	Fluorescent MUA-stabilized Au nanoclusters for sensitive and selective detection of penicillamine. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 2629-2636	4.4	19
212	In situ development of amorphous Mn-Co-P shell on MnCoO nanowire array for superior oxygen evolution electrocatalysis in alkaline media. *Chemical Communications*, **2018**, 54, 1077-1080	5.8	40
211	Proteomic-genomic adjustments and their confluence for elucidation of pathways and networks during liver fibrosis. *International Journal of Biological Macromolecules*, **2018**, 111, 379-392	7.9	7
210	Efficient Hydrogen Evolution Electrocatalysis at Alkaline pH by Interface Engineering of NiP-CeO. *Inorganic Chemistry*, **2018**, 57, 548-552	5.1	63
209	Ultrafine PtO nanoparticles coupled with a Co(OH)F nanowire array for enhanced hydrogen evolution. *Chemical Communications*, **2018**, 54, 810-813	5.8	54
208	Bioinspired Polydopamine and Composites for Biomedical Applications **2018**, 1-29		1
207	Co(OH) Nanoparticle-Encapsulating Conductive Nanowires Array: Room-Temperature Electrochemical Preparation for High-Performance Water Oxidation Electrocatalysis. *Advanced Materials*, **2018**, 30, 1705366	24	240
206	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	13	151
205	FeMoO4 nanorod array: a highly active 3D anode for water oxidation under alkaline conditions. *Inorganic Chemistry Frontiers*, **2018**, 5, 665-668	6.8	22
204	Enhanced H2 generation from NaBH4 hydrolysis and methanolysis by cellulose micro-fibrous cottons as metal templated catalyst. *International Journal of Hydrogen Energy*, **2018**, 43, 6539-6550	6.7	30
203	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	8
202	Green synthesis of plant supported CuAg and CuNi bimetallic nanoparticles in the reduction of nitrophenols and organic dyes for water treatment. *Journal of Molecular Liquids*, **2018**, 260, 78-91	6	124
201	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		17

200	Metal□rganic frameworks for solar energy conversion by photoredox catalysis. *Coordination Chemistry Reviews*, **2018**, 373, 83-115	23.2	113
199	Cobalt nitride nanowire array as an efficient electrochemical sensor for glucose and H2O2 detection. *Sensors and Actuators B: Chemical*, **2018**, 255, 1254-1261	8.5	225
198	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	8.3	127
197	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	1.2	1
196	Efficient Electrochemical N2 Reduction to NH3 on MoN Nanosheets Array under Ambient Conditions. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 9550-9554	8.3	164
195	MnO2-CoP3 nanowires array: An efficient electrocatalyst for alkaline oxygen evolution reaction with enhanced activity. *Electrochemistry Communications*, **2018**, 86, 161-165	5.1	178
194	Recent advances in emerging 2D nanomaterials for biosensing and bioimaging applications. *Materials Today*, **2018**, 21, 164-177	21.8	104
193	Boosted Electrocatalytic N2 Reduction to NH3 by Defect-Rich MoS2 Nanoflower. *Advanced Energy Materials*, **2018**, 8, 1801357	21.8	371
192	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	2.6	14
191	Electrochemical Ammonia Synthesis via Nitrogen Reduction Reaction on a MoS Catalyst: Theoretical and Experimental Studies. *Advanced Materials*, **2018**, 30, e1800191	24	524
190	Toward design and measurement of electrical conductivity and thermal properties of silver nanoparticle embedded poly(o-anisidine) molybdophosphate nanocomposite and its application as microbiosensor. *Polymer Composites*, **2017**, 38, E237-E245	3	4
189	Replacing Oxygen Evolution with Hydrazine Oxidation at the Anode for Energy-Saving Electrolytic Hydrogen Production. *ChemElectroChem*, **2017**, 4, 481-484	4.3	49
188	Fe-Doped NiP Nanosheet Array for High-Efficiency Electrochemical Water Oxidation. *Inorganic Chemistry*, **2017**, 56, 1041-1044	5.1	164
187	Topotactic Conversion of □FeO Nanowires into FeP as a Superior Fluorosensor for Nucleic Acid Detection: Insights from Experiment and Theory. *Analytical Chemistry*, **2017**, 89, 2191-2195	7.8	34
186	NiCoP Nanoarray: A Superior Pseudocapacitor Electrode with High Areal Capacitance. *Chemistry - A European Journal*, **2017**, 23, 4435-4441	4.8	101
185	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	6.8	84
184	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	7.9	43
183	CoP nanoarray: a robust non-noble-metal hydrogen-generating catalyst toward effective hydrolysis of ammonia borane. *Inorganic Chemistry Frontiers*, **2017**, 4, 659-662	6.8	75

182	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	13	211
181	In situ electrochemical surface derivation of cobalt phosphate from a Co(CO)(OH)D.11HO nanoarray for efficient water oxidation in neutral aqueous solution. *Nanoscale*, **2017**, 9, 3752-3756	7.7	75
180	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	7	47
179	Metal Organic Frameworks as Versatile Hosts of Au Nanoparticles in Heterogeneous Catalysis. *ACS Catalysis*, **2017**, 7, 2896-2919	13.1	148
178	Al-Doped CoP nanoarray: a durable water-splitting electrocatalyst with superhigh activity. *Nanoscale*, **2017**, 9, 4793-4800	7.7	200
177	Copper-Nitride Nanowires Array: An Efficient Dual-Functional Catalyst Electrode for Sensitive and Selective Non-Enzymatic Glucose and Hydrogen Peroxide Sensing. *Chemistry - A European Journal*, **2017**, 23, 4986-4989	4.8	114
176	A nickel-borate nanoarray: a highly active 3D oxygen-evolving catalyst electrode operating in near-neutral water. *Chemical Communications*, **2017**, 53, 3070-3073	5.8	69
175	Design and Application of Foams for Electrocatalysis. *ChemCatChem*, **2017**, 9, 1721-1743	5.2	202
174	Fe N-Co N Nanowires Array: A Non-Noble-Metal Bifunctional Catalyst Electrode for High-Performance Glucose Oxidation and H O Reduction toward Non-Enzymatic Sensing Applications. *Chemistry - A European Journal*, **2017**, 23, 5214-5218	4.8	103
173	High-Efficiency and Durable Water Oxidation under Mild pH Conditions: An Iron Phosphate-Borate Nanosheet Array as a Non-Noble-Metal Catalyst Electrode. *Inorganic Chemistry*, **2017**, 56, 3131-3135	5.1	42
172	Interconnected Network of Core-Shell CoP@CoBiPi for Efficient Water Oxidation Electrocatalysis under Near Neutral Conditions. *ChemSusChem*, **2017**, 10, 1370-1374	8.3	55
171	Cobalt phosphide nanowire array as an effective electrocatalyst for non-enzymatic glucose sensing. *Journal of Materials Chemistry B*, **2017**, 5, 1901-1904	7.3	83
170	In situ formation of a 3D core/shell structured Ni3N@NiBi 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	13	172
169	Core-Shell NiFe-LDH@NiFe-B Nanoarray: In Situ Electrochemical Surface Derivation Preparation toward Efficient Water Oxidation Electrocatalysis in near-Neutral Media. *ACS Applied Materials & Interfaces*, **2017**, 9, 19502-19506	9.5	44
168	Bimetallic Nickel-Substituted Cobalt-Borate Nanowire Array: An Earth-Abundant Water Oxidation Electrocatalyst with Superior Activity and Durability at Near Neutral pH. *Small*, **2017**, 13, 1700394	11	84
167	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	6.8	183
166	Hydrazine-assisted electrolytic hydrogen production: CoS2 nanoarray as a superior bifunctional electrocatalyst. *New Journal of Chemistry*, **2017**, 41, 4754-4757	3.6	55
165	Self-Standing CoP Nanosheets Array: A Three-Dimensional Bifunctional Catalyst Electrode for Overall Water Splitting in both Neutral and Alkaline Media. *ChemElectroChem*, **2017**, 4, 1840-1845	4.3	322

164	Enhanced Electrocatalysis for Energy-Efficient Hydrogen Production over CoP Catalyst with Nonelectroactive Zn as a Promoter. *Advanced Energy Materials*, **2017**, 7, 1700020	21.8	428
163	Electrochemical Hydrazine Oxidation Catalyzed by Iron Phosphide Nanosheets Array toward Energy-Efficient Electrolytic Hydrogen Production from Water. *ChemistrySelect*, **2017**, 2, 3401-3407	1.8	21
162	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	5.8	121
161	Highly efficient and durable water oxidation in a near-neutral carbonate electrolyte electrocatalyzed by a core□shell structured NiO@Ni□Ci nanosheet array. *Sustainable Energy and Fuels*, **2017**, 1, 1287-1291	5.8	18
160	Co-based nanowire films as complementary hydrogen- and oxygen-evolving electrocatalysts in neutral electrolyte. *Catalysis Science and Technology*, **2017**, 7, 2689-2694	5.5	34
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