Abdullah M Al-Enizi

List of Publications by Year
in descending order

233 papers	9,280 citations	38742 50 h-index	51608 86 g-index
238 all docs	238 docs citations	238 times ranked	12899 citing authors

#	Article	IF	Citations
1	From Water Oxidation to Reduction: Homologous Niâ€“Co Based Nanowires as Complementary Water Splitting Electrocatalysts. Advanced Energy Materials, 2015, 5, 1402031.	19.5	448
2	Recent advances in MOF-based photocatalysis: environmental remediation under visible light. Inorganic Chemistry Frontiers, 2020, 7, 300-339.	6.0	429
3	Nanoparticle Superlattices as Efficient Bifunctional Electrocatalysts for Water Splitting. Journal of the American Chemical Society, 2015, 137, 14305-14312.	13.7	377
4	Magnetic zeolites: a new adsorbent for removal of metallic contaminants from water. Water Research, 2004, 38, 3699-3704.	11.3	283
5	New Insight into the Synthesis of Large-Pore Ordered Mesoporous Materials. Journal of the American Chemical Society, 2017, 139, 1706-1713.	13.7	274
6	Interlaced NiS₂â€“MoS₂ nanoflake-nanowires as efficient hydrogen evolution electrocatalysts in basic solutions. Journal of Materials Chemistry A, 2016, 4, 13439-13443.	10.3	241
7	Coâ€“Niâ€Based Nanotubes/Nanosheets as Efficient Water Splitting Electrocatalysts. Advanced Energy Materials, 2016, 6, 1501661.	19.5	232
8	Carbon-Coated Co³⁺-Rich Cobalt Selenide Derived from ZIF-67 for Efficient Electrochemical Water Oxidation. ACS Applied Materials & Interfaces, 2016, 8, 20534-20539.	8.0	198
9	Tuning of CO₂ Reduction Selectivity on Metal Electrocatalysts. Small, 2017, 13, 1701809.	10.0	182
10	A MOFâ€based Ultraâ€Strong Acetylene Nanoâ€trap for Highly Efficient C₂H₂/CO₂ Separation. Angewandte Chemie - International Edition, 2021, 60, 5283-5288.	13.8	172
11	Polymer-Based Electrospun Nanofibers for Biomedical Applications. Nanomaterials, 2018, 8, 259.	4.1	171
12	Lower Activation Energy for Catalytic Reactions through Hostâ€“Guest Cooperation within Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2018, 57, 10107-10111.	13.8	166
13	Facile Approach to Graft Ionic Liquid into MOF for Improving the Efficiency of CO₂ Chemical Fixation. ACS Applied Materials & Interfaces, 2018, 10, 27124-27130.	8.0	142
14	Radially oriented mesoporous TiO ₂ microspheres with single-crystalâ€“like anatase walls for high-efficiency optoelectronic devices. Science Advances, 2015, 1, e1500166.	10.3	139
15	Myriophyllum-like hierarchical TiN@Ni₃N nanowire arrays for bifunctional water splitting catalysts. Journal of Materials Chemistry A, 2016, 4, 5713-5718.	10.3	134
16	Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. Angewandte Chemie - International Edition, 2019, 58, 8670-8675.	13.8	128
17	NbO₂ Electrocatalyst Toward 32% Faradaic Efficiency for N₂ Fixation. Small Methods, 2019, 3, 1800386.	8.6	111
18	Ultradispersed Palladium Nanoparticles in Three-Dimensional Dendritic Mesoporous Silica Nanospheres: Toward Active and Stable Heterogeneous Catalysts. ACS Applied Materials & Interfaces, 2015, 7, 17450-17459.	8.0	110

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19	CuCoO_x/FeOOH Coreâ€“Shell Nanowires as an Efficient Bifunctional Oxygen Evolution and Reduction Catalyst. ACS Energy Letters, 2017, 2, 2498-2505.	17.4	109
20	Tunable Synthesis of Hollow Metalâ€“Nitrogenâ€“Carbon Capsules for Efficient Oxygen Reduction Catalysis in Proton Exchange Membrane Fuel Cells. ACS Nano, 2019, 13, 8087-8098.	14.6	106
21	Synthesis of NiOx@NPC composite for high-performance supercapacitor via waste PET plastic-derived Ni-MOF. Composites Part B: Engineering, 2020, 183, 107655.	12.0	104
22	Photoelectrochemical Conversion from Graphitic C₃N₄ Quantum Dot Decorated Semiconductor Nanowires. ACS Applied Materials & Interfaces, 2016, 8, 12772-12779.	8.0	103
23	One-pot hydrothermal preparation of hierarchical manganese oxide nanorods for high-performance symmetric supercapacitors. Journal of Energy Chemistry, 2022, 65, 116-126.	12.9	101
24	Influence of graphene oxide on mechanical, morphological, barrier, and electrical properties of polymer membranes. Arabian Journal of Chemistry, 2016, 9, 274-286.	4.9	98
25	Pore environment engineering in metalâ€“organic frameworks for efficient ethane/ethylene separation. Journal of Materials Chemistry A, 2019, 7, 13585-13590.	10.3	91
26	Bifunctional CoP and CoN porous nanocatalysts derived from ZIF-67 in situ grown on nanowire photoelectrodes for efficient photoelectrochemical water splitting and CO₂ reduction. Journal of Materials Chemistry A, 2016, 4, 15353-15360.	10.3	90
27	Nanospace Engineering of Metalâ€“Organic Frameworks through Dynamic Spacer Installation of Multifunctionalities for Efficient Separation of Ethane from Ethane/Ethylene Mixtures. Angewandte Chemie - International Edition, 2021, 60, 9680-9685.	13.8	89
28	Facile Synthesis of Mesoporous Î±-Fe2O3@g-C3N4-NCs for Efficient Bifunctional Electro-catalytic Activity (OER/ORR). Scientific Reports, 2019, 9, 14139.	3.3	84
29	Pore surface engineering of covalent organic frameworks: structural diversity and applications. Nanoscale, 2019, 11, 21679-21708.	5.6	82
30	Constructing Three-Dimensional Mesoporous Bouquet-Posy-like TiO₂ Superstructures with Radially Oriented Mesochannels and Single-Crystal Walls. Journal of the American Chemical Society, 2017, 139, 517-526.	13.7	76
31	Homologous metal-free electrocatalysts grown on three-dimensional carbon networks for overall water splitting in acidic and alkaline media. Journal of Materials Chemistry A, 2016, 4, 12878-12883.	10.3	75
32	Mesoporous TiO₂ Mesocrystals: Remarkable Defects-Induced Crystallite-Interface Reactivity and Their in Situ Conversion to Single Crystals. ACS Central Science, 2015, 1, 400-408.	11.3	74
33	Utilization of waste polyethylene terephthalate bottles to develop metal-organic frameworks for energy applications: A clean and feasible approach. Journal of Cleaner Production, 2020, 248, 119251.	9.3	73
34	Sub-5Ânm SnO₂ chemically coupled hollow carbon spheres for efficient electrocatalytic CO₂ reduction. Journal of Materials Chemistry A, 2018, 6, 20121-20127.	10.3	72
35	Epitaxial Growth of Latticeâ€Mismatched Coreâ€“Shell TiO₂@MoS₂ for Enhanced Lithiumâ€Ion Storage. Small, 2016, 12, 2792-2799.	10.0	71
36	One-dimensional nanostructures for flexible supercapacitors. Journal of Materials Chemistry A, 2015, 3, 16382-16392.	10.3	70

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37	A process simulation study of CO 2 capture by ionic liquids. International Journal of Greenhouse Gas Control, 2017, 58, 223-231.	4.6	69
38	Defective graphene for electrocatalytic CO2 reduction. Journal of Colloid and Interface Science, 2019, 534, 332-337.	9.4	66
39	Covalent Organic Framework Decorated with Vanadium as a New Platform for Prins Reaction and Sulfide Oxidation. ACS Applied Materials & Interfaces, 2019, 11, 3070-3079.	8.0	66
40	Waste PET plastic derived ZnO@NMC nanocomposite via MOF-5 construction for hydrogen and oxygen evolution reactions. Journal of King Saud University - Science, 2020, 32, 2397-2405.	3.5	66
41	Nickel oxide/nitrogen doped carbon nanofibers catalyst for methanol oxidation in alkaline media. Electrochimica Acta, 2014, 137, 774-780.	5.2	64
42	Fabrication of highly porous N-doped mesoporous carbon using waste polyethylene terephthalate bottle-based MOF-5 for high performance supercapacitor. Journal of Energy Storage, 2021, 33, 102125.	8.1	64
43	Effective adsorption of Coomassie brilliant blue dye using poly(phenylene diamine)grafted electrospun carbon nanofibers as a novel adsorbent. Materials Chemistry and Physics, 2019, 234, 133-145.	4.0	62
44	Mesoporous Fe₂O₃â€“CdS Heterostructures for Real-Time Photoelectrochemical Dynamic Probing of Cu²⁺. Analytical Chemistry, 2015, 87, 6703-6708.	6.5	61
45	Hollow TiO2â€“X porous microspheres composed of well-crystalline nanocrystals for high-performance lithium-ion batteries. Nano Research, 2016, 9, 165-173.	10.4	60
46	Synthesis and electrochemical properties of nickel oxide/carbon nanofiber composites. Carbon, 2014, 71, 276-283.	10.3	58
47	A Porous Organic Polymer Nanotrap for Efficient Extraction of Palladium. Angewandte Chemie - International Edition, 2020, 59, 19618-19622.	13.8	57
48	Hollow capsules of doped carbon incorporating metal@metal sulfide and metal@metal oxide coreâ€“shell nanoparticles derived from metalâ€“organic framework composites for efficient oxygen electrocatalysis. Journal of Materials Chemistry A, 2019, 7, 3624-3631.	10.3	53
49	Hydrothermal synthesis of novel nickel oxide@nitrogenous mesoporous carbon nanocomposite using costless smoked cigarette filter for high performance supercapacitor. Materials Letters, 2020, 266, 127492.	2.6	53
50	Synthesis of mesoporous carbons with controlled morphology and pore diameters from SBA-15 prepared through the microwave-assisted process and their CO2 adsorption capacity. Microporous and Mesoporous Materials, 2016, 233, 44-52.	4.4	52
51	rGO supported NiWO4 nanocomposites for hydrogen evolution reactions. Materials Letters, 2019, 240, 51-54.	2.6	52
52	Physico-chemical properties and catalytic activity of the sol-gel prepared Ce-ion doped LaMnO3 perovskites. Scientific Reports, 2019, 9, 7747.	3.3	51
53	A MOFâ€based Ultraâ€Strong Acetylene Nanoâ€trap for Highly Efficient C₂H₂/CO₂ Separation. Angewandte Chemie, 2021, 133, 5343-5348.	2.0	49
54	Direct Immersion Annealing of Thin Block Copolymer Films. ACS Applied Materials & Interfaces, 2015, 7, 21639-21645.	8.0	48

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55	Selfâ€Adjusting Metalâ€“Organic Framework for Efficient Capture of Trace Xenon and Krypton. Angewandte Chemie - International Edition, 2022, 61, .	13.8	47
56	Vanadium Docked Covalent-Organic Frameworks: An Effective Heterogeneous Catalyst for Modified Mannich-Type Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 4878-4888.	6.7	46
57	The role of La3+ substitution in modification of the magnetic and dielectric properties of the nanocrystalline Co-Zn ferrites. Journal of Magnetism and Magnetic Materials, 2020, 502, 166490.	2.3	45
58	Freestanding eggshell membrane-based electrodes for high-performance supercapacitors and oxygen evolution reaction. Nanoscale, 2015, 7, 14378-14384.	5.6	44
59	Mesoporous tin oxide for electrocatalytic CO2 reduction. Journal of Colloid and Interface Science, 2018, 531, 564-569.	9.4	44
60	Fabrication of functionalized electrospun carbon nanofibers for enhancing lead-ion adsorption from aqueous solutions. Scientific Reports, 2019, 9, 19467.	3.3	44
61	Sensitive and selective aggregation based colorimetric sensing of Fe3+ via interaction with acetyl salicylic acid derived gold nanoparticles. Sensors and Actuators B: Chemical, 2018, 259, 1006-1012.	7.8	42
62	Cellulose gum and copper nanoparticles based hydrogel as antimicrobial agents against urinary tract infection (UTI) pathogens. International Journal of Biological Macromolecules, 2018, 109, 803-809.	7.5	42
63	3D Cationic Polymeric Network Nanotrap for Efficient Collection of Perrhenate Anion from Wastewater. Small, 2021, 17, e2007994.	10.0	42
64	High Performance Perovskite Hybrid Solar Cells with E-beam-Processed TiO_x Electron Extraction Layer. ACS Applied Materials & Interfaces, 2016, 8, 1876-1883.	8.0	40
65	Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. Angewandte Chemie, 2019, 131, 8762-8767.	2.0	40
66	High electrocatalytic performance of nitrogen-doped carbon nanofiber-supported nickel oxide nanocomposite for methanol oxidation in alkaline medium. Applied Surface Science, 2017, 401, 306-313.	6.1	35
67	Efficient Electron Transfer from Electronâ€Sponge Polyoxometalate to Singleâ€Metal Site Metalâ€“Organic Frameworks for Highly Selective Electroreduction of Carbon Dioxide. Small, 2021, 17, e2100762.	10.0	34
68	Porous metal-graphene oxide nanocomposite sensors with high ammonia detectability. Journal of Colloid and Interface Science, 2021, 589, 401-410.	9.4	34
69	Lower Activation Energy for Catalytic Reactions through Hostâ€“Guest Cooperation within Metalâ€“Organic Frameworks. Angewandte Chemie, 2018, 130, 10264-10268.	2.0	33
70	Electrochemical N2 fixation by Cu-modified iron oxide dendrites. Journal of Colloid and Interface Science, 2019, 552, 312-318.	9.4	33
71	Electrochemically grown MnO₂nanowires for supercapacitor and electrocatalysis applications. New Journal of Chemistry, 2020, 44, 17864-17870.	2.8	33
72	Design of zinc vanadate (Zn3V2O8)/nitrogen doped multiwall carbon nanotubes (N-MWCNT) towards supercapacitor electrode applications. Journal of Electroanalytical Chemistry, 2021, 881, 114936.	3.8	32

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73	Synthesis and characterization of CeO2/rGO nanoflakes as electrode material for capacitive deionization technology. Ceramics International, 2020, 46, 15034-15043.	4.8	31
74	Heterogeneous Electrocatalysts for CO₂ Reduction. ACS Applied Energy Materials, 2021, 4, 1034-1044.	5.1	31
75	Nanoclay compatibilization of phase separated polysulfone/polyimide films for oxygen barrier. Applied Clay Science, 2017, 137, 123-134.	5.2	30
76	Electrospun carbon nanofiber-encapsulated NiS nanoparticles as an efficient catalyst for hydrogen production from hydrolysis of sodium borohydride. International Journal of Hydrogen Energy, 2019, 44, 21716-21725.	7.1	30
77	Fast cooling induced grain-boundary-rich copper oxide for electrocatalytic carbon dioxide reduction to ethanol. Journal of Colloid and Interface Science, 2020, 570, 375-381.	9.4	30
78	Structural modifications in Coâ€“Zn nanoferrites by Gd substitution triggering to dielectric and gas sensing applications. Journal of Alloys and Compounds, 2020, 844, 156178.	5.5	30
79	Recent developments in the synthesis of chemically modified nanomaterials for use in dielectric and electronics applications. Nanotechnology, 2021, 32, 142004.	2.6	30
80	NiCo2O4 nanostructures loaded onto pencil graphite rod: An advanced composite material for oxygen evolution reaction. International Journal of Hydrogen Energy, 2022, 47, 6650-6665.	7.1	30
81	Electrocatalysts: Coâ€“Niâ€Based Nanotubes/Nanosheets as Efficient Water Splitting Electrocatalysts (Adv. Energy Mater. 3/2016). Advanced Energy Materials, 2016, 6, .	19.5	29
82	Alkali-activated electrospun carbon nanofibers as an efficient bifunctional adsorbent for cationic and anionic dyes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 582, 123835.	4.7	29
83	Facile synthesis of Bi2O3@MnO2 nanocomposite material: A promising electrode for high performance supercapacitors. Solid State Sciences, 2020, 102, 106158.	3.2	29
84	Assessment of energy density usage during 180W lithium triborate laser photoselective vaporization of the prostate for benign prostatic hyperplasia. Is there an optimum amount of kiloâ€joules per gram of prostate?. BJU International, 2016, 118, 633-640.	2.5	28
85	Tailoring ammonia gas sensing performance of La3+-doped copper cadmium ferrite nanostructures. Solid State Sciences, 2020, 100, 106089.	3.2	28
86	Recent Advances in Mesoporous Silica Nanoparticles for Targeted Drug Delivery Applications. Current Drug Delivery, 2022, 19, 436-450.	1.6	28
87	Fabrication of hybrid nanocomposite derived from chitosan as efficient electrode materials for supercapacitor. International Journal of Biological Macromolecules, 2018, 120, 2271-2278.	7.5	27
88	Single-nozzle Core-shell Electrospun Nanofibers of PVP/Dextran as Drug Delivery System. Fibers and Polymers, 2019, 20, 2078-2089.	2.1	27
89	Decorated carbon nanofibers with mixed nickelâ^'manganese carbides for methanol electro-oxidation in alkaline solution. International Journal of Hydrogen Energy, 2021, 46, 6494-6512.	7.1	27
90	Room-temperature synthesis and CO₂-gas sensitivity of bismuth oxide nanosensors. RSC Advances, 2020, 10, 17217-17227.	3.6	26

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91	Self-grown one-dimensional nickel sulfo-selenide nanostructured electrocatalysts for water splitting reactions. International Journal of Hydrogen Energy, 2020, 45, 15904-15914.	7.1	25
92	Core-shell nanofibers from poly(vinyl alcohol) based biopolymers using emulsion electrospinning as drug delivery system for cephalexin drug. Journal of Macromolecular Science - Pure and Applied Chemistry, 2021, 58, 130-144.	2.2	25
93	Synthesis of 2-mercaptopropionic acid/hydrous zirconium oxide composite and its application for removal of Pb(II) from water samples: Central composite design for optimization. Journal of King Saud University - Science, 2021, 33, 101280.	3.5	25
94	Singleâ€Pore versus Dualâ€Pore Bipyridineâ€Based Covalentâ€“Organic Frameworks: An Insight into the Heterogeneous Catalytic Activity for Selective Cï£¿H Functionalization. Small, 2021, 17, e2003970.	10.0	25
95	Utilization of cationic microporous metal-organic framework for efficient Xe/Kr separation. Nano Research, 2022, 15, 7559-7564.	10.4	25
96	Facile Assembly of Aligned Magnetic Nanoparticle Chains in Polymer Nanocomposite Films by Magnetic Flow Coating. ACS Applied Materials & Interfaces, 2017, 9, 11290-11298.	8.0	24
97	Hierarchically tubular nitrogen-doped carbon structures for the oxygen reduction reaction. Journal of Materials Chemistry A, 2017, 5, 13634-13638.	10.3	24
98	Iridium complex immobilization on covalent organic framework for effective Câ€”H borylation. APL Materials, 2019, 7, .	5.1	24
99	Mesoporous BN and BCN nanocages with high surface area and spherical morphology. Physical Chemistry Chemical Physics, 2014, 16, 23554-23557.	2.8	23
100	Three-dimensional WS₂nanosheet networks for H₂O₂produced for cell signaling. Nanoscale, 2016, 8, 5786-5792.	5.6	23
101	Bridged-multi-octahedral cobalt oxide nanocrystals with a Co-terminated surface as an oxygen evolution and reduction electrocatalyst. Journal of Materials Chemistry A, 2017, 5, 7416-7422.	10.3	23
102	Electrospun carbon nanofibers containing Co-TiC nanoparticles-like superficial protrusions as a catalyst for H2 gas production from ammonia borane complex. Ceramics International, 2017, 43, 15735-15742.	4.8	22
103	Error reporting from the da Vinci surgical system in robotic surgery: A Canadian multispecialty experience at a single academic centre. Canadian Urological Association Journal, 2017, 11, 197.	0.6	22
104	Cellulose acetate nanofibers embedded with Ag nanoparticles/CdSe/graphene oxide composite for degradation of methylene blue. Synthetic Metals, 2021, 278, 116824.	3.9	22
105	Design and fabrication of green and sustainable vapochromic cellulose fibers embedded with natural anthocyanin for detection of toxic ammonia. Talanta, 2021, 230, 122292.	5.5	22
106	Determination of Vaporâ€“Liquid Equilibrium of Methyl Acetate + Methanol + 1-Alkyl-3-methylimidazolium Dialkylphosphates at 101.3 kPa. Journal of Chemical & Engineering Data, 2017, 62, 816-824.	1.9	21
107	Evaluation of Surgical Outcomes with Photoselective GreenLight XPS Laser Vaporization of the Prostate in High Medical Risk Men with Benign Prostatic Enlargement: A Multicenter Study. Journal of Endourology, 2017, 31, 686-693.	2.1	21
108	Electrospun Bimetallic NiCr Nanoparticles@Carbon Nanofibers as an Efficient Catalyst for Hydrogen Generation from Ammonia Borane. Nanomaterials, 2019, 9, 1082.	4.1	21

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109	Facile one-step hydrothermal synthesis and room-temperature NO2 sensing application of Î±-Fe2O3 sensor. Materials Chemistry and Physics, 2020, 246, 122799.	4.0	21
110	Scalable and low-cost fabrication of flexible WS2 photodetectors on polycarbonate. Npj Flexible Electronics, 2022, 6, .	10.7	21
111	Does surgical delay for radical prostatectomy affect biochemical recurrence? A retrospective analysis from a Canadian cohort. World Journal of Urology, 2018, 36, 1-6.	2.2	20
112	Copper nickel@reduced graphene oxide nanocomposite as bifunctional electro-catalyst for excellent oxygen evolution and oxygen reduction reactions. Materials Letters, 2020, 260, 126969.	2.6	20
113	Continuous hydrothermal flow-inspired synthesis and ultra-fast ammonia and humidity room-temperature sensor activities of WO₃ nanobricks. Materials Research Express, 2020, 7, 015076.	1.6	20
114	Efficient removal of Pb(II) from water using silica gel functionalized with thiosalicylic acid: Response surface methodology for optimization. Journal of King Saud University - Science, 2021, 33, 101232.	3.5	20
115	Electrodeposited more-hydrophilic nano-nest polyaniline electrodes for supercapacitor application. Journal of Physics and Chemistry of Solids, 2021, 149, 109774.	4.0	19
116	Highly sensitive determination of atropine using cobalt oxide nanostructures: Influence of functional groups on the signal sensitivity. Analytica Chimica Acta, 2016, 948, 30-39.	5.4	18
117	CoCr 7 C 3 -like nanorods embedded on carbon nanofibers as effective electrocatalyst for methanol electro-oxidation. International Journal of Hydrogen Energy, 2018, 43, 9943-9953.	7.1	18
118	Microporous Cyclen-Based Octacarboxylate Hydrogen-Bonded Organic Framework Exhibiting Selective Gas Adsorption. Crystal Growth and Design, 2019, 19, 6377-6380.	3.0	18
119	Pristine and palladium-doped perovskite bismuth ferrites and their nitrogen dioxide gas sensor studies. Journal of King Saud University - Science, 2020, 32, 3125-3130.	3.5	18
120	Synthesis and characterization of WC@GNFs as an efficient supercapacitor electrode material in acidic medium. Ceramics International, 2020, 46, 27437-27445.	4.8	18
121	Perioperative predictors for post-prostatectomy urinary incontinence in prostate cancer patients following robotic-assisted radical prostatectomy: Long-term results of a Canadian prospective cohort. Canadian Urological Association Journal, 2018, 13, E125-E131.	0.6	17
122	Cobalt nanoparticles incorporated into hollow doped porous carbon capsules as a highly efficient oxygen reduction electrocatalyst. Catalysis Science and Technology, 2018, 8, 5244-5250.	4.1	17
123	Hydrophobically made Ag nanoclusters with enhanced performance for CO2 aqueous electroreduction. Journal of Power Sources, 2020, 476, 228705.	7.8	17
124	Factors predicting prolonged operative time for individual surgical steps of robot-assisted radical prostatectomy (RARP): A single surgeonâ€™s experience. Canadian Urological Association Journal, 2015, 9, 417.	0.6	16
125	Evaluation of the Cytotoxic Behavior of Fungal Extracellular Synthesized Ag Nanoparticles Using Confocal Laser Scanning Microscope. International Journal of Molecular Sciences, 2016, 17, 329.	4.1	16
126	Fabrication of Highly Sensitive and Selective Electrochemical Sensors for Detection of Paracetamol by Using Piroxicam Stabilized Gold Nanoparticles. Journal of the Electrochemical Society, 2017, 164, B427-B434.	2.9	16

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127	Capillary Force Lithography Pattern-Directed Self-Assembly (CFL-PDSA) of Phase-Separating Polymer Blend Thin Films. ACS Omega, 2018, 3, 2161-2168.	3.5	16
128	Optimization of Redox and Catalytic Performance of LaFeO3 Perovskites: Synthesis and Physicochemical Properties. Journal of Electronic Materials, 2019, 48, 4351-4361.	2.2	16
129	Tungsten carbide@graphene nanoflakes: Preparation, characterization and electrochemical activity for capacitive deionization technology. Journal of Colloid and Interface Science, 2021, 581, 112-125.	9.4	16
130	Ultra-Fast Vertical Ordering of Lamellar Block Copolymer Films on Unmodified Substrates. Macromolecules, 2021, 54, 1564-1573.	4.8	16
131	Strongly Anisotropic Strainâ€Tunability of Excitons in Exfoliated ZrSe₃. Advanced Materials, 2022, 34, e2103571.	21.0	16
132	Nanofiber composites containing N-heterocyclic carbene complexes with antimicrobial activity. International Journal of Nanomedicine, 2012, 7, 2829.	6.7	15
133	Excellent supercapacitance performance of 3-D mesoporous carbon with large pores from FDU-12 prepared using a microwave method. RSC Advances, 2018, 8, 17017-17024.	3.6	15
134	Enhanced electro-adsorption desalination performance of graphene by TiC. Separation and Purification Technology, 2021, 254, 117602.	7.9	15
135	Investigation of electrochemical performance and stability of electrodeposited Mn3O4 thin films in different aqueous electrolytes for its application in flexible supercapacitors. Journal of Energy Storage, 2021, 33, 102076.	8.1	15
136	A window-space-directed assembly strategy for the construction of supertetrahedron-based zeolitic mesoporous metalâ€“organic frameworks with ultramicroporous apertures for selective gas adsorption. Chemical Science, 2021, 12, 5767-5773.	7.4	15
137	Efficient electrospun terpolymer nanofibers for the removal of cationic dyes from polluted waters: A non-linear isotherm and kinetic study. Journal of Environmental Chemical Engineering, 2021, 9, 105361.	6.7	15
138	Facile fabrication of Fe-BDC/Fe-2MI heterojunction with boosted photocatalytic activity for Cr(VI) reduction. Journal of Environmental Chemical Engineering, 2021, 9, 105961.	6.7	15
139	Facile Synthesis, Characterization, Catalytic and Photocatalytic Activity of Multiferroic BiFeO3 Perovskite Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 3476-3487.	3.7	15
140	Solvent-free microwave-assisted synthesis of tenorite nanoparticle-decorated multi-walled carbon nanotubes. Journal of Materials Science and Technology, 2019, 35, 1121-1127.	10.7	14
141	Orientation control in nanoparticle filled block copolymer cold zone annealed films. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 604-614.	2.1	13
142	Transition metal oxide hierarchical nanotubes for energy applications. Nanotechnology, 2016, 27, 02LT01.	2.6	13
143	In-Situ Synthesis of Amorphous Co Nanoparticles Supported onto TiO₂ Nanofibers as a Catalyst for Hydrogen Generation from the Hydrolysis of Ammonia Borane. Journal of Nanoscience and Nanotechnology, 2018, 18, 4714-4719.	0.9	13
144	Block copolymer ordering on elastomeric substrates of tunable surface energy. Emergent Materials, 2019, 2, 11-22.	5.7	13

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145	Novel Low Temperature Route to Produce CdS/ZnO Composite Nanofibers as Effective Photocatalysts. Catalysts, 2020, 10, 417.	3.5	13
146	One-pot preparation of CdO/ZnO core/shell nanofibers: An efficient photocatalyst. AEJ - Alexandria Engineering Journal, 2021, 60, 1819-1826.	6.4	13
147	Promoting N2 electroreduction to ammonia by fluorine-terminating Ti3C2Tx MXene. Nano Convergence, 2021, 8, 14.	12.1	13
148	Eco-Friendly Disposable WS2 Paper Sensor for Sub-ppm NO2 Detection at Room Temperature. Nanomaterials, 2022, 12, 1213.	4.1	13
149	High-rate sodium insertion/extraction into silicon oxycarbide-reduced graphene oxide. New Journal of Chemistry, 2020, 44, 14035-14040.	2.8	12
150	Synthesis of aminated electrospun carbon nanofibers and their application in removal of cationic dye. Materials Research Bulletin, 2020, 132, 111003.	5.2	12
151	Fabrication of biohybrid electrospun nanofibers for the eradication of wound infection and drug-resistant pathogens. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 609, 125691.	4.7	12
152	Observation of General Entropyâ€“Enthalpy Compensation Effect in the Relaxation of Wrinkled Polymer Nanocomposite Films. Nano Letters, 2021, 21, 1274-1281.	9.1	12
153	Fabrication of electrospun nickel sulphide nanoparticles onto carbon nanofibers for efficient urea electro-oxidation in alkaline medium. International Journal of Hydrogen Energy, 2021, 46, 12944-12960.	7.1	12
154	Ionic Liquid Enhanced Parallel Lamellar Ordering in Block Copolymer Films. Macromolecules, 2021, 54, 4531-4545.	4.8	11
155	Intrinsic Control in Defects Density for Improved ZnO Nanorod-Based UV Sensor Performance. Nanomaterials, 2020, 10, 142.	4.1	11
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