

Mingliang Du

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8366870/mingliang-du-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

147
papers

6,246
citations

40
h-index

75
g-index

148
ext. papers

7,269
ext. citations

7.1
avg, IF

5.91
L-index

#	Paper	IF	Citations
147	When cubic cobalt sulfide meets layered molybdenum disulfide: a core-shell system toward synergetic electrocatalytic water splitting. <i>Advanced Materials</i> , 2015 , 27, 4752-9	24	575
146	Newly emerging applications of halloysite nanotubes: a review. <i>Polymer International</i> , 2010 , 59, 574-582	3.3	523
145	Thermal stability and flame retardant effects of halloysite nanotubes on poly(propylene). <i>European Polymer Journal</i> , 2006 , 42, 1362-1369	5.2	381
144	Properties of halloysite nanotube/epoxy resin hybrids and the interfacial reactions in the systems. <i>Nanotechnology</i> , 2007 , 18, 455703	3.4	222
143	Carboxylated butadiene/tyrene rubber/halloysite nanotube nanocomposites: Interfacial interaction and performance. <i>Polymer</i> , 2008 , 49, 4871-4876	3.9	189
142	Halloysite nanotubes as a novel nucleating agent for isotactic polypropylene. <i>Polymer</i> , 2009 , 50, 3022-3030	3.0	188
141	Structure regulation of silica nanotubes and their adsorption behaviors for heavy metal ions: pH effect, kinetics, isotherms and mechanism. <i>Journal of Hazardous Materials</i> , 2015 , 286, 533-44	12.8	143
140	Green synthesis of Au nanoparticles immobilized on halloysite nanotubes for surface-enhanced Raman scattering substrates. <i>Dalton Transactions</i> , 2012 , 41, 10465-71	4.3	127
139	Natural inorganic nanotubes reinforced epoxy resin nanocomposites. <i>Journal of Polymer Research</i> , 2008 , 15, 205-212	2.7	121
138	Drying induced aggregation of halloysite nanotubes in polyvinyl alcohol/halloysite nanotubes solution and its effect on properties of composite film. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 88, 391-395	2.6	120
137	Atomic-Scale Core/Shell Structure Engineering Induces Precise Tensile Strain to Boost Hydrogen Evolution Catalysis. <i>Advanced Materials</i> , 2018 , 30, e1707301	24	115
136	Crystallization behavior of polyamide 6/halloysite nanotubes nanocomposites. <i>Thermochimica Acta</i> , 2009 , 484, 48-56	2.9	114
135	S-rich single-layered MoS ₂ nanoplates embedded in N-doped carbon nanofibers: efficient co-electrocatalysts for the hydrogen evolution reaction. <i>Chemical Communications</i> , 2014 , 50, 15435-8	5.8	109
134	Reinforcing and Flame-Retardant Effects of Halloysite Nanotubes on LLDPE. <i>Polymer-Plastics Technology and Engineering</i> , 2009 , 48, 607-613		102
133	Interactions between halloysite nanotubes and 2,5-bis(2-benzoxazolyl) thiophene and their effects on reinforcement of polypropylene/halloysite nanocomposites. <i>Nanotechnology</i> , 2008 , 19, 205709	3.4	100
132	WO ₃ -x Nanoplates Grown on Carbon Nanofibers for an Efficient Electrocatalytic Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 18132-9	9.5	97
131	Design of two-dimensional, ultrathin MoS ₂ nanoplates fabricated within one-dimensional carbon nanofibers with thermosensitive morphology: high-performance electrocatalysts for the hydrogen evolution reaction. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 22126-37	9.5	93

130	WSe ₂ and W(SexS1 ₀) ₂ nanoflakes grown on carbon nanofibers for the electrocatalytic hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 18090-18097	13	92
129	The marriage and integration of nanostructures with different dimensions for synergistic electrocatalysis. <i>Energy and Environmental Science</i> , 2017 , 10, 321-330	35.4	85
128	StyreneButadiene rubber/halloysite nanotubes nanocomposites modified by methacrylic acid. <i>Applied Surface Science</i> , 2008 , 255, 2715-2722	6.7	84
127	Highly efficient and durable PtCo alloy nanoparticles encapsulated in carbon nanofibers for electrochemical hydrogen generation. <i>Chemical Communications</i> , 2016 , 52, 990-3	5.8	76
126	Facile and green fabrication of size-controlled AuNPs/CNFs hybrids for the highly sensitive simultaneous detection of heavy metal ions. <i>Electrochimica Acta</i> , 2016 , 196, 422-430	6.7	75
125	A new strategy for the surface-free-energy-distribution induced selective growth and controlled formation of Cu ₂ O/Au hierarchical heterostructures with a series of morphological evolutions. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 919-929	13	75
124	A 3D dendritic WSe ₂ catalyst grown on carbon nanofiber mats for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12149-12153	13	67
123	The design and construction of 3D rose-petal-shaped MoS ₂ hierarchical nanostructures with structure-sensitive properties. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 7680	13	67
122	Facile and green synthesis of well-dispersed Au nanoparticles in PAN nanofibers by tea polyphenols. <i>Journal of Materials Chemistry</i> , 2012 , 22, 9301		67
121	Effects of halloysite nanotubes on kinetics and activation energy of non-isothermal crystallization of polypropylene. <i>Journal of Polymer Research</i> , 2010 , 17, 109-118	2.7	61
120	Artificial Nacre from Supramolecular Assembly of Graphene Oxide. <i>ACS Nano</i> , 2018 , 12, 6228-6235	16.7	57
119	Immobilization of Pt Nanoparticles in Carbon Nanofibers: Bifunctional Catalyst for Hydrogen Evolution and Electrochemical Sensor. <i>Electrochimica Acta</i> , 2015 , 167, 48-54	6.7	55
118	Highly thermal conductive and electrically insulating polymer composites based on polydopamine-coated copper nanowire. <i>Composites Science and Technology</i> , 2018 , 164, 153-159	8.6	54
117	Preparation and Characterization of Polypropylene Grafted Halloysite and Their Compatibility Effect to Polypropylene/Halloysite Composite. <i>Polymer Journal</i> , 2006 , 38, 1198-1204	2.7	54
116	Facile fabrication of AgNPs/(PVA/PEI) nanofibers: high electrochemical efficiency and durability for biosensors. <i>Biosensors and Bioelectronics</i> , 2013 , 49, 210-5	11.8	53
115	Functional materials from nature: honeycomb-like carbon nanosheets derived from silk cocoon as excellent electrocatalysts for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2016 , 215, 223-230	6.7	49
114	Carbon nanofiber-supported PdNi alloy nanoparticles as highly efficient bifunctional catalysts for hydrogen and oxygen evolution reactions. <i>Electrochimica Acta</i> , 2017 , 246, 17-26	6.7	47
113	Engineering the Composition and Structure of Bimetallic Au-Cu Alloy Nanoparticles in Carbon Nanofibers: Self-Supported Electrode Materials for Electrocatalytic Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19756-19765	9.5	46

112	Effects of Melanin on Optical Behavior of Polymer: From Natural Pigment to Materials Applications. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 13100-13106	9.5	46
111	Green synthesis of halloysite nanotubes supported Ag nanoparticles for photocatalytic decomposition of methylene blue. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 325302	3	45
110	Morphology and Structure Engineering in Nanofiber Reactor: Tubular Hierarchical Integrated Networks Composed of Dual Phase Octahedral CoMn O /Carbon Nanofibers for Water Oxidation. <i>Small</i> , 2017 , 13, 1700468	11	43
109	Self-assembly of various Au nanocrystals on functionalized water-stable PVA/PEI nanofibers: a highly efficient surface-enhanced Raman scattering substrates with high density of "hot" spots. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 91-101	11.8	41
108	Formation of Reinforcing Inorganic Network in Polymer via Hydrogen Bonding Self-Assembly Process. <i>Polymer Journal</i> , 2007 , 39, 208-212	2.7	41
107	Synthesis and properties of the vapour-grown carbon nanofiber/epoxy shape memory and conductive foams prepared via latex technology. <i>Composites Science and Technology</i> , 2013 , 76, 8-13	8.6	40
106	Benzothiazole sulfide compatibilized polypropylene/halloysite nanotubes composites. <i>Applied Surface Science</i> , 2009 , 255, 4961-4969	6.7	40
105	Small and well-dispersed Cu nanoparticles on carbon nanofibers: Self-supported electrode materials for efficient hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 18044-18049	6.7	38
104	Nano High-Entropy Materials: Synthesis Strategies and Catalytic Applications. <i>Small Structures</i> , 2020 , 1, 2000033	8.7	37
103	Synthesis and deposition of ultrafine noble metallic nanoparticles on amino-functionalized halloysite nanotubes and their catalytic application. <i>Materials Research Bulletin</i> , 2015 , 61, 375-382	5.1	35
102	Functionalization of cellulose nanocrystals with β MPs and its effect on the adhesive behavior of acrylic pressure sensitive adhesives. <i>Carbohydrate Polymers</i> , 2019 , 217, 168-177	10.3	34
101	Two-dimensional molybdenum disulfide and tungsten disulfide interleaved nanowalls constructed on silk cocoon-derived N-doped carbon fibers for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 21870-21882	6.7	33
100	Free-Standing and Eco-Friendly Polyaniline Thin Films for Multifunctional Sensing of Physical and Chemical Stimuli. <i>Advanced Functional Materials</i> , 2017 , 27, 1703147	15.6	32
99	Reinforcing thermoplastics with hydrogen bonding bridged inorganics. <i>Physica B: Condensed Matter</i> , 2010 , 405, 655-662	2.8	30
98	Facile fabrication of polyaniline nanotubes/gold hybrid nanostructures as substrate materials for biosensors. <i>Chemical Engineering Journal</i> , 2014 , 258, 281-289	14.7	29
97	Facile fabrication of AuNPs/PANI/HNTs nanostructures for high-performance electrochemical sensors towards hydrogen peroxide. <i>Chemical Engineering Journal</i> , 2014 , 248, 307-314	14.7	29
96	Selective growth of Au nanograins on specific positions (tips, edges and facets) of Cu ₂ O octahedrons to form Cu ₂ O-Au hierarchical heterostructures. <i>Dalton Transactions</i> , 2012 , 41, 13795-9	4.3	29
95	MORPHOLOGY, INTERFACIAL INTERACTION AND PROPERTIES OF STYRENE-BUTADIENE RUBBER/MODIFIED HALLOYSITE NANOTUBE NANOCOMPOSITES. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2009 , 27, 857	3.5	29

94	The Role of Interactions between Halloysite Nanotubes and 2,2'-(1,2-Ethenediyl)di-4,1-phenylene Bisbenzoxazole in Halloysite Reinforced Polypropylene Composites. <i>Polymer Journal</i> , 2008 , 40, 1087-1093	2.7	29
93	Detection of trace Cd ²⁺ , Pb ²⁺ and Cu ²⁺ ions via porous activated carbon supported palladium nanoparticles modified electrodes using SWASV. <i>Materials Chemistry and Physics</i> , 2019 , 225, 433-442	4.4	29
92	Facile and green fabrication of small, mono-disperse and size-controlled noble metal nanoparticles embedded in water-stable polyvinyl alcohol nanofibers: High sensitive, flexible and reliable materials for biosensors. <i>Sensors and Actuators B: Chemical</i> , 2013 , 185, 608-619	8.5	28
91	Synthesis of silver nanoparticles in electrospun polyacrylonitrile nanofibers using tea polyphenols as the reductant. <i>Polymer Engineering and Science</i> , 2013 , 53, 1099-1108	2.3	28
90	Synthesis and Immobilization of Pt Nanoparticles on Amino-Functionalized Halloysite Nanotubes toward Highly Active Catalysts. <i>Nanomaterials and Nanotechnology</i> , 2015 , 5, 4	2.9	27
89	Simple construction of ruthenium single atoms on electrospun nanofibers for superior alkaline hydrogen evolution: A dynamic transformation from clusters to single atoms. <i>Chemical Engineering Journal</i> , 2020 , 392, 123655	14.7	27
88	Low-Electronegativity Vanadium Substitution in Cobalt Carbide Induced Enhanced Electron Transfer for Efficient Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43261-43269	9.5	26
87	Thermal Decomposition and Oxidation Ageing Behaviour of Polypropylene/Halloysite Nanotube Nanocomposites. <i>Polymers and Polymer Composites</i> , 2007 , 15, 321-328	0.8	26
86	Synthesis of a MoS ₂ (1-x)Se _{2x} ternary alloy on carbon nanofibers as the high efficient water splitting electrocatalyst. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 1912-1918	6.7	25
85	Facile Fabrication of ZnO/TiO ₂ Heterogeneous Nanofibres and Their Photocatalytic Behaviour and Mechanism towards Rhodamine B. <i>Nanomaterials and Nanotechnology</i> , 2016 , 6, 9	2.9	25
84	NiCoSe 2-x /N-doped C mushroom-like core/shell nanorods on N-doped carbon fiber for efficiently electrocatalyzed overall water splitting. <i>Electrochimica Acta</i> , 2018 , 272, 161-168	6.7	24
83	Design and fabrication of size-controlled PtAu bimetallic alloy nanostructure in carbon nanofibers: a bifunctional material for biosensors and the hydrogen evolution reaction. <i>Journal of Materials Science</i> , 2017 , 52, 8207-8218	4.3	23
82	Understanding the Role of Nanoscale Heterointerfaces in Core/Shell Structures for Water Splitting: Covalent Bonding Interaction Boosts the Activity of Binary Transition-Metal Sulfides. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 6250-6261	9.5	23
81	Carbon nanofibers as nanoreactors in the construction of PtCo alloy carbon core-shell structures for highly efficient and stable water splitting. <i>Materials and Design</i> , 2016 , 109, 162-170	8.1	23
80	In Situ Fabrication of Electrospun Carbon Nanofibers/Binary Metal Sulfides as Freestanding Electrode for Electrocatalytic Water Splitting. <i>Advanced Fiber Materials</i> , 2021 , 3, 117-127	10.9	23
79	In situ interfacial engineering of nickel tungsten carbide Janus structures for highly efficient overall water splitting. <i>Science Bulletin</i> , 2020 , 65, 640-650	10.6	22
78	Probing the unexpected behavior of AuNPs migrating through nanofibers: a new strategy for the fabrication of carbon nanofiber/noble metal nanocrystal hybrid nanostructures. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11728-11741	13	22
77	Single-atom catalysts for electrochemical clean energy conversion: recent progress and perspectives. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 996-1011	5.8	22

- 76 Nitrogen and gold nanoparticles co-doped carbon nanofiber hierarchical structures for efficient hydrogen evolution reactions. *Electrochimica Acta*, **2016**, 208, 1-9 6.7 22
- 75 Facile fabrication of a binary NiCo phosphide with hierarchical architecture for efficient hydrogen evolution reactions. *International Journal of Hydrogen Energy*, **2019**, 44, 4188-4196 6.7 22
- 74 Designed Synthesis of Size-Controlled Pt/Cu Alloy Nanoparticles Encapsulated in Carbon Nanofibers and Their High Efficient Electrocatalytic Activity Toward Hydrogen Evolution Reaction. *Advanced Materials Interfaces*, **2017**, 4, 1700005 4.6 21
- 73 Effects of Thermal and UV-induced Grafting of Bismaleimide on Mechanical Performance of Reclaimed Rubber/Natural Rubber Blends. *Journal of Polymer Research*, **2005**, 12, 473-482 2.7 21
- 72 Silk-derived graphene-like carbon with high electrocatalytic activity for oxygen reduction reaction. *RSC Advances*, **2016**, 6, 34219-34224 3.7 21
- 71 Photothermal-Responsive Graphene Oxide Membrane with Smart Gates for Water Purification. *ACS Applied Materials & Interfaces*, **2019**, 11, 44886-44893 9.5 19
- 70 Activating MoS₂ by interface engineering for efficient hydrogen evolution catalysis. *Materials Research Bulletin*, **2019**, 112, 46-52 5.1 19
- 69 In situ growth of Rh nanoparticles with controlled sizes and dispersions on the cross-linked PVABEI nanofibers and their electrocatalytic properties towards H₂O₂. *RSC Advances*, **2014**, 4, 794-804 3.7 18
- 68 Controlled morphology evolution of electrospun carbon nanofiber templated tungsten disulfide nanostructures. *Electrochimica Acta*, **2015**, 176, 255-264 6.7 17
- 67 Core/Shell Starch Nanoparticles and Their Toughening of Polylactide. *Industrial & Engineering Chemistry Research*, **2018**, 57, 13048-13054 3.9 15
- 66 Core/Shell Starch Nanoparticles Improve the Mechanical and Thermal Properties of Poly(propylene carbonate). *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 13081-13088 8.3 14
- 65 Smart Design of Rapid Crystallizing and Nonleaching Antibacterial Poly(lactide) Nanocomposites by Sustainable Aminolysis Grafting and in Situ Interfacial Stereocomplexation. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 13367-13377 8.3 14
- 64 A Facile Strategy to Synthesize Cobalt-Based Self-Supported Material for Electrocatalytic Water Splitting. *Particle and Particle Systems Characterization*, **2017**, 34, 1700189 3.1 13
- 63 Use of TX100-dangled epoxy as a reactive noncovalent dispersant of vapor-grown carbon nanofibers in an aqueous solution. *Journal of Colloid and Interface Science*, **2013**, 391, 8-15 9.3 13
- 62 Investigation on Structures and Properties of Shape Memory Polyurethane/Silica Nanocomposites. *Chinese Journal of Chemistry*, **2011**, 29, 703-710 4.9 13
- 61 Excellent UV Resistance of Polylactide by Interfacial Stereocomplexation with Double-Shell-Structured TiO₂ Nanohybrids. *ACS Applied Materials & Interfaces*, **2020**, 12, 49090-49100 8.5 13
- 60 Beyond Colloidal Synthesis: Nanofiber Reactor to Design Self-Supported Core/Shell Pd₁₆S₇/MoS₂/CNFs Electrode for Efficient and Durable Hydrogen Evolution Catalysis. *ACS Applied Energy Materials*, **2019**, 2, 2013-2021 6.1 13
- 59 Building block nanoparticles engineering induces multi-element perovskite hollow nanofibers structure evolution to trigger enhanced oxygen evolution. *Electrochimica Acta*, **2018**, 279, 301-310 6.7 13

58	Integrating the cationic engineering and hollow structure engineering into perovskites oxides for efficient and stable electrocatalytic oxygen evolution. <i>Electrochimica Acta</i> , 2019 , 327, 135033	6.7	12
57	Antimicrobial Waterborne Polyurethanes Based on Quaternary Ammonium Compounds. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 458-463	3.9	12
56	Sublayer Stable Fe Dopant in Porous Pd Metallene Boosts Oxygen Reduction Reaction.. <i>ACS Nano</i> , 2021 ,	16.7	12
55	A Highly Active and Robust CoP/CoS ₂ -Based Electrocatalyst Toward Overall Water Splitting. <i>Electrocatalysis</i> , 2019 , 10, 253-261	2.7	11
54	Graphene-assisted fabrication of poly(ϵ -caprolactone)-based nanocomposites with high mechanical properties and self-healing functionality. <i>New Journal of Chemistry</i> , 2018 , 42, 10348-10356	3.6	11
53	The preparation of tubular heterostructures based on titanium dioxide and silica nanotubes and their photocatalytic activity. <i>Dalton Transactions</i> , 2014 , 43, 1846-53	4.3	11
52	Strain Relaxation in Metal Alloy Catalysts Steers the Product Selectivity of Electrocatalytic CO Reduction.. <i>ACS Nano</i> , 2022 ,	16.7	11
51	AgNPs/PVA and AgNPs/(PVA/PEI) hybrids: preparation, morphology and antibacterial activity. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 345303	3	10
50	A self-supported electrochemical sensor for simultaneous sensitive detection of trace heavy metal ions based on PtAu alloy/carbon nanofibers. <i>Analytical Methods</i> , 2017 , 9, 6801-6807	3.2	10
49	Synthesis of Transparent Densely Crosslinked Polysiloxane with High Refractive Index. <i>Journal of Macromolecular Science - Physics</i> , 2012 , 51, 2462-2472	1.4	10
48	Kelp-Derived Activated Porous Carbon for the Detection of Heavy Metal Ions via Square Wave Anodic Stripping Voltammetry. <i>Electrocatalysis</i> , 2020 , 11, 59-67	2.7	10
47	Isolation of Metalloid Boron Atoms in Intermetallic Carbide Boosts the Catalytic Selectivity for Electrocatalytic N ₂ Fixation. <i>Advanced Energy Materials</i> , 2021 , 11, 2102138	21.8	10
46	Unraveling the electronegativity-dominated intermediate adsorption on high-entropy alloy electrocatalysts.. <i>Nature Communications</i> , 2022 , 13, 2662	17.4	10
45	Synthesis and Catalytic Properties of Polyaniline/Au Hybrid Nanostructure. <i>Soft Materials</i> , 2014 , 12, 179-184	1.84	9
44	Facile Fabrication of Palladium Nanoparticles Immobilized on the Water-Stable Polyvinyl Alcohol/Polyethyleneimine Nanofibers Via In-Situ Reduction and Their High Electrochemical Activity. <i>Soft Materials</i> , 2014 , 12, 387-395	1.7	9
43	Facile Fabrication of Au Nanoparticles Immobilized on Polyaniline Nanofibers: High Sensitive Nonenzymatic Hydrogen Peroxide Sensor. <i>Nanoscience and Nanotechnology Letters</i> , 2015 , 7, 127-133	0.8	9
42	Artificial Nacre Epoxy Nanomaterials Based on Janus Graphene Oxide for Thermal Management Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 44273-44280	9.5	9
41	Boosting oxygen evolution through phase and electronic modulation of highly dispersed tungsten carbide with nickel doping. <i>Journal of Colloid and Interface Science</i> , 2021 , 585, 258-266	9.3	9

40	In situ synthesis of small Pt nanoparticles on chitin aerogel derived N doped ultra-thin carbon nanofibers for superior hydrogen evolution catalysis. <i>New Journal of Chemistry</i> , 2019 , 43, 16490-16496	3.6	9
39	Atom-precise incorporation of platinum into ultrafine transition metal carbides for efficient synergetic electrochemical hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 4911-4919	13	8
38	A novel synergistic confinement strategy for controlled synthesis of high-entropy alloy electrocatalysts. <i>Chemical Communications</i> , 2021 , 57, 2637-2640	5.8	8
37	Nitrogen anion-decorated cobalt tungsten disulfides solid solutions on the carbon nanofibers for water splitting. <i>Nanotechnology</i> , 2018 , 29, 385602	3.4	8
36	One-dimensional, space-confined, solid-phase growth of the CuS@MoS core-shell heterostructure for electrocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2021 , 595, 88-97	9.3	8
35	Hyper-dendritic PdZn nanocrystals as highly stable and efficient bifunctional electrocatalysts towards oxygen reduction and ethanol oxidation. <i>Chemical Engineering Journal</i> , 2021 , 420, 130503	14.7	8
34	Controlled growth of ultrafine metal nanoparticles mediated by solid supports. <i>Nanoscale Advances</i> , 2021 , 3, 1865-1886	5.1	8
33	Fabrication of Gold Nanoparticles Modified Carbon Nanofibers/Polyaniline Electrode for H ₂ O ₂ Determination. <i>Journal of the Electrochemical Society</i> , 2014 , 161, H816-H821	3.9	7
32	Morphology and properties of halloysite nanotubes reinforced polypropylene nanocomposites. <i>E-Polymers</i> , 2008 , 8,	2.7	7
31	Hybrid double-network hydrogels with excellent mechanical properties. <i>New Journal of Chemistry</i> , 2020 , 44, 16569-16576	3.6	7
30	High-Performance Polylactic Acid Materials Enabled by TiO ₂ @Polydopamine Hybrid Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 3999-4008	3.9	7
29	Scalable NiCo _x S _y Membranes with Broadband Light Absorption and High Salt-Resistance for Efficient Solar-Driven Interfacial Evaporation. <i>ACS Applied Energy Materials</i> , 2021 , 4, 3563-3572	6.1	7
28	Synthesis of MoSe ₂ /Carbon Nanofibers Hybrid and Its Hydrogen Evolution Reaction Performance. <i>Chemistry Letters</i> , 2016 , 45, 69-71	1.7	7
27	Binary nickel iron phosphide composites with oxidized surface groups as efficient electrocatalysts for the oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 3518-3524	5.8	7
26	Interatomic Electronegativity Offset Dictates Selectivity When Catalyzing the CO ₂ Reduction Reaction. <i>Advanced Energy Materials</i> , 2020 , 10, 2200579	21.8	7
25	Organic-inorganic hybrid network constructed in polypropylene matrix and its reinforcing effects on polypropylene composites. <i>Journal of Reinforced Plastics and Composites</i> , 2013 , 32, 174-182	2.9	6
24	Heterostructure design of Cu ₂ O/Cu ₂ S core/shell nanowires for solar-driven photothermal water vaporization towards desalination. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 6023-6029	5.8	6
23	The 2D/2D p-n heterojunction of ZnCoMOF/g-C ₃ N ₄ with enhanced photocatalytic hydrogen evolution under visible light irradiation. <i>Applied Organometallic Chemistry</i> , 2021 , 35, e6124	3.1	6

22	Influence of hybrid fibrils of 2,5-bis(2-benzoxazolyl) thiophene and halloysite nanotubes on the crystallization behaviour of polypropylene. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 075306	3	5
21	Conductive metal and covalent organic frameworks for electrocatalysis: design principles, recent progress and perspective.. <i>Nanoscale</i> , 2021 ,	7.7	5
20	Facile Construction of MoS ₂ /CNFs Hybrid Structure for a Hydrogen Evolution Reaction. <i>International Journal of Electrochemical Science</i> , 2017 , 4563-4573	2.2	4
19	High-entropy alloy stabilized active Ir for highly efficient acidic oxygen evolution. <i>Chemical Engineering Journal</i> , 2021 , 431, 133251	14.7	4
18	Thermodynamically driven metal diffusion strategy for controlled synthesis of high-entropy alloy electrocatalysts. <i>Chemical Communications</i> , 2021 , 57, 10027-10030	5.8	4
17	Preferred zinc-modified melamine phytate for the flame retardant polylactide with limited smoke release. <i>New Journal of Chemistry</i> , 2021 , 45, 13329-13339	3.6	4
16	TEMPLATE STRATEGY FOR THE SYNTHESIS OF Cu ₂ O@Pt HIERARCHICAL HETEROSTRUCTURES FOR THE DEGRADATION OF METHYLENE BLUE. <i>Nano</i> , 2013 , 08, 1350062	1.1	3
15	Direct Z-scheme CdS@NiPc heterojunctions as noble metal-free photocatalysts for enhanced photocatalytic hydrogen evolution. <i>Catalysis Science and Technology</i> ,	5.5	3
14	Design of Intrinsically Flame-Retardant Vanillin-Based Epoxy Resin for Thermal-Conductive Epoxy/Graphene Aerogel Composites. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	2
13	Interface engineering in core-shell Co ₉ S ₈ @MoS ₂ nanocrystals induces enhanced hydrogen evolution in acidic and alkaline media. <i>New Journal of Chemistry</i> , 2021 , 45, 11167-11173	3.6	2
12	When amine-based conducting polymers meet Au nanoparticles: suppressing H ₂ evolution and promoting the selective electroreduction of CO ₂ to CO at low overpotentials. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 779-786	5.8	2
11	Electrocatalysis: Morphology and Structure Engineering in Nanofiber Reactor: Tubular Hierarchical Integrated Networks Composed of Dual Phase Octahedral CoMn ₂ O ₄ /Carbon Nanofibers for Water Oxidation (Small 26/2017). <i>Small</i> , 2017 , 13,	11	1
10	Effects of Plant Polyphenols on the Interface and Mechanical Properties of Rubber/Silica Composites. <i>Polymers and Polymer Composites</i> , 2012 , 20, 853-860	0.8	1
9	High entropy alloy nitrides with integrated nanowire/nanosheet architecture for efficient alkaline hydrogen evolution reactions. <i>New Journal of Chemistry</i> , 2021 , 45, 22255-22260	3.6	1
8	Flexible and recyclable bio-based transient resistive memory enabled by self-healing polyimine membrane. <i>Journal of Colloid and Interface Science</i> , 2021 , 608, 1126-1134	9.3	1
7	Rheology-determined critical conditions for shear-induced crystallization of biosynthesized polyhydroxyalkanoates. <i>International Journal of Biological Macromolecules</i> , 2020 , 147, 1301-1308	7.9	1
6	Two-dimension on two-dimension growth: hierarchical NiMoN/Fe-doped NiN nanosheet array for overall water splitting.. <i>RSC Advances</i> , 2021 , 11, 19797-19804	3.7	0
5	Skin bioinspired anti-ultraviolet melanin/TiO ₂ nanoparticles without penetration for efficient broad-spectrum sunscreen. <i>Colloid and Polymer Science</i> , 2021 , 299, 1797	2.4	0

4	SYNTHESIS AND CHARACTERIZATION OF Au NANOPARTICLES/REDUCED GRAPHENE OXIDE NANOCOMPOSITE: A FACILE AND ECO-FRIENDLY APPROACH. <i>Nano</i> , 2014 , 09, 1450031	1.1
3	Effects of Magnesium Borate Whiskers on the Antiwear and Mechanical Performance of Natural Rubber. <i>Tribology Transactions</i> , 2012 , 55, 822-828	1.8
2	Fabrication and Properties of Shape Memory Polyurethane Surface Modified Vapor Grown Carbon Nanofiber Composites. <i>Advanced Materials Research</i> , 2011 , 239-242, 855-859	0.5
1	Electrocatalytic Nanomaterials: Atomic-Scale Core/Shell Structure Engineering Induces Precise Tensile Strain to Boost Hydrogen Evolution Catalysis (Adv. Mater. 26/2018). <i>Advanced Materials</i> , 2018 , 30, 1870191	24