

# Mingliang Du

## List of Publications by Year in Descending Order

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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	Strain Relaxation in Metal Alloy Catalysts Steers the Product Selectivity of Electrocatalytic CO Reduction.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	11
146	Unraveling the electronegativity-dominated intermediate adsorption on high-entropy alloy electrocatalysts.. <i>Nature Communications</i> , <b>2022</b> , 13, 2662	17.4	10
145	Conductive metal and covalent organic frameworks for electrocatalysis: design principles, recent progress and perspective.. <i>Nanoscale</i> , <b>2021</b> ,	7.7	5
144	Design of Intrinsically Flame-Retardant Vanillin-Based Epoxy Resin for Thermal-Conductive Epoxy/Graphene Aerogel Composites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	2
143	High entropy alloy nitrides with integrated nanowire/nanosheet architecture for efficient alkaline hydrogen evolution reactions. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 22255-22260	3.6	1
142	Flexible and recyclable bio-based transient resistive memory enabled by self-healing polyimine membrane. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 608, 1126-1134	9.3	1
141	High-entropy alloy stabilized active Ir for highly efficient acidic oxygen evolution. <i>Chemical Engineering Journal</i> , <b>2021</b> , 431, 133251	14.7	4
140	High-Performance Polylactic Acid Materials Enabled by TiO <sub>2</sub> /Polydopamine Hybrid Nanoparticles. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 3999-4008	3.9	7
139	Scalable NiCo <sub>x</sub> Sy Membranes with Broadband Light Absorption and High Salt-Resistance for Efficient Solar-Driven Interfacial Evaporation. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 3563-3572	6.1	7
138	Boosting oxygen evolution through phase and electronic modulation of highly dispersed tungsten carbide with nickel doping. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 585, 258-266	9.3	9
137	The 2D/2D p-n heterojunction of ZnCoMOF/g-C <sub>3</sub> N <sub>4</sub> with enhanced photocatalytic hydrogen evolution under visible light irradiation. <i>Applied Organometallic Chemistry</i> , <b>2021</b> , 35, e6124	3.1	6
136	Two-dimension on two-dimension growth: hierarchical NiMoN/Fe-doped NiN nanosheet array for overall water splitting.. <i>RSC Advances</i> , <b>2021</b> , 11, 19797-19804	3.7	0
135	Thermodynamically driven metal diffusion strategy for controlled synthesis of high-entropy alloy electrocatalysts. <i>Chemical Communications</i> , <b>2021</b> , 57, 10027-10030	5.8	4
134	Preferred zinc-modified melamine phytate for the flame retardant polylactide with limited smoke release. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 13329-13339	3.6	4
133	A novel synergistic confinement strategy for controlled synthesis of high-entropy alloy electrocatalysts. <i>Chemical Communications</i> , <b>2021</b> , 57, 2637-2640	5.8	8
132	Interface engineering in core-shell Co <sub>9</sub> S <sub>8</sub> @MoS <sub>2</sub> nanocrystals induces enhanced hydrogen evolution in acidic and alkaline media. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 11167-11173	3.6	2
131	Isolation of Metalloid Boron Atoms in Intermetallic Carbide Boosts the Catalytic Selectivity for Electrocatalytic N <sub>2</sub> Fixation. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2102138	21.8	10

130	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> , <b>2021</b> , 595, 88-97	9.3	8
129	Hyper-dendritic PdZn nanocrystals as highly stable and efficient bifunctional electrocatalysts towards oxygen reduction and ethanol oxidation. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 130503	14.7	8
128	Skin bioinspired anti-ultraviolet melanin/TiO <sub>2</sub> nanoparticles without penetration for efficient broad-spectrum sunscreen. <i>Colloid and Polymer Science</i> , <b>2021</b> , 299, 1797	2.4	0
127	Controlled growth of ultrafine metal nanoparticles mediated by solid supports. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 1865-1886	5.1	8
126	When amine-based conducting polymers meet Au nanoparticles: suppressing H <sub>2</sub> evolution and promoting the selective electroreduction of CO <sub>2</sub> to CO at low overpotentials. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 779-786	5.8	2
125	In Situ Fabrication of Electrospun Carbon Nanofibers Binary Metal Sulfides as Freestanding Electrode for Electrocatalytic Water Splitting. <i>Advanced Fiber Materials</i> , <b>2021</b> , 3, 117-127	10.9	23
124	Sublayer Stable Fe Dopant in Porous Pd Metallene Boosts Oxygen Reduction Reaction.. <i>ACS Nano</i> , <b>2021</b> ,	16.7	12
123	In situ interfacial engineering of nickel tungsten carbide Janus structures for highly efficient overall water splitting. <i>Science Bulletin</i> , <b>2020</b> , 65, 640-650	10.6	22
122	Atom-precise incorporation of platinum into ultrafine transition metal carbides for efficient synergetic electrochemical hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 4911-4919	13	8
121	Kelp-Derived Activated Porous Carbon for the Detection of Heavy Metal Ions via Square Wave Anodic Stripping Voltammetry. <i>Electrocatalysis</i> , <b>2020</b> , 11, 59-67	2.7	10
120	Single-atom catalysts for electrochemical clean energy conversion: recent progress and perspectives. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 996-1011	5.8	22
119	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 &amp; Interfaces</i> , <b>2020</b> , 12, 6250-6261	9.5	23
118	Antimicrobial Waterborne Polyurethanes Based on Quaternary Ammonium Compounds. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 458-463	3.9	12
117	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> , <b>2020</b> , 392, 123655	14.7	27
116	Rheology-determined critical conditions for shear-induced crystallization of biosynthesized polyhydroxyalkanoates. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 147, 1301-1308	7.9	1
115	Heterostructure design of Cu <sub>2</sub> O/Cu <sub>2</sub> S core/shell nanowires for solar-driven photothermal water vaporization towards desalination. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 6023-6029	5.8	6
114	Excellent UV Resistance of Polylactide by Interfacial Stereocomplexation with Double-Shell-Structured TiO Nanohybrids. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 49090-49100	10.5	13
113	Artificial Nacre Epoxy Nanomaterials Based on Janus Graphene Oxide for Thermal Management Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 44273-44280	9.5	9

112	Nano High-Entropy Materials: Synthesis Strategies and Catalytic Applications. <i>Small Structures</i> , <b>2020</b> , 1, 2000033	8.7	37
111	Hybrid double-network hydrogels with excellent mechanical properties. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 16569-16576	3.6	7
110	Functionalization of cellulose nanocrystals with $\beta$ MPs and its effect on the adhesive behavior of acrylic pressure sensitive adhesives. <i>Carbohydrate Polymers</i> , <b>2019</b> , 217, 168-177	10.3	34
109	A Highly Active and Robust CoP/CoS <sub>2</sub> -Based Electrocatalyst Toward Overall Water Splitting. <i>Electrocatalysis</i> , <b>2019</b> , 10, 253-261	2.7	11
108	Core/Shell Starch Nanoparticles Improve the Mechanical and Thermal Properties of Poly(propylene carbonate). <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 13081-13088	8.3	14
107	Low-Electronegativity Vanadium Substitution in Cobalt Carbide Induced Enhanced Electron Transfer for Efficient Overall Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 43261-43269	9.5	26
106	Integrating the cationic engineering and hollow structure engineering into perovskites oxides for efficient and stable electrocatalytic oxygen evolution. <i>Electrochimica Acta</i> , <b>2019</b> , 327, 135033	6.7	12
105	Photothermal-Responsive Graphene Oxide Membrane with Smart Gates for Water Purification. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 44886-44893	9.5	19
104	Beyond Colloidal Synthesis: Nanofiber Reactor to Design Self-Supported Core/Shell Pd <sub>16</sub> S <sub>7</sub> /MoS <sub>2</sub> /CNFs Electrode for Efficient and Durable Hydrogen Evolution Catalysis. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 2013-2021	6.1	13
103	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> , <b>2019</b> , 43, 16490-16496	3.6	9
102	Binary nickel iron phosphide composites with oxidized surface groups as efficient electrocatalysts for the oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , <b>2019</b> , 3, 3518-3524	5.8	7
101	Detection of trace Cd <sup>2+</sup> , Pb <sup>2+</sup> and Cu <sup>2+</sup> ions via porous activated carbon supported palladium nanoparticles modified electrodes using SWASV. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 225, 433-442	4.4	29
100	Facile fabrication of a binary NiCo phosphide with hierarchical architecture for efficient hydrogen evolution reactions. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 4188-4196	6.7	22
99	Activating MoS <sub>2</sub> by interface engineering for efficient hydrogen evolution catalysis. <i>Materials Research Bulletin</i> , <b>2019</b> , 112, 46-52	5.1	19
98	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> , <b>2018</b> , 272, 161-168	6.7	24
97	Effects of Melanin on Optical Behavior of Polymer: From Natural Pigment to Materials Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 13100-13106	9.5	46
96	Graphene-assisted fabrication of poly( $\epsilon$ -caprolactone)-based nanocomposites with high mechanical properties and self-healing functionality. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 10348-10356	3.6	11
95	Atomic-Scale Core/Shell Structure Engineering Induces Precise Tensile Strain to Boost Hydrogen Evolution Catalysis. <i>Advanced Materials</i> , <b>2018</b> , 30, e1707301	24	115

94	Highly thermal conductive and electrically insulating polymer composites based on polydopamine-coated copper nanowire. <i>Composites Science and Technology</i> , <b>2018</b> , 164, 153-159	8.6	54
93	Artificial Nacre from Supramolecular Assembly of Graphene Oxide. <i>ACS Nano</i> , <b>2018</b> , 12, 6228-6235	16.7	57
92	Smart Design of Rapid Crystallizing and Nonleaching Antibacterial Poly(lactide) Nanocomposites by Sustainable Aminolysis Grafting and in Situ Interfacial Stereocomplexation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 13367-13377	8.3	14
91	Core/Shell Starch Nanoparticles and Their Toughening of Polylactide. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 13048-13054	3.9	15
90	Building block nanoparticles engineering induces multi-element perovskite hollow nanofibers structure evolution to trigger enhanced oxygen evolution. <i>Electrochimica Acta</i> , <b>2018</b> , 279, 301-310	6.7	13
89	Nitrogen anion-decorated cobalt tungsten disulfides solid solutions on the carbon nanofibers for water splitting. <i>Nanotechnology</i> , <b>2018</b> , 29, 385602	3.4	8
88	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> , <b>2018</b> , 30, 1870191	24	
87	Design and fabrication of size-controlled Pt/Au bimetallic alloy nanostructure in carbon nanofibers: a bifunctional material for biosensors and the hydrogen evolution reaction. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 8207-8218	4.3	23
86	The marriage and integration of nanostructures with different dimensions for synergistic electrocatalysis. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 321-330	35.4	85
85	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> , <b>2017</b> , 13, 1700468	11	43
84	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 &amp; Interfaces</i> , <b>2017</b> , 9, 19756-19765	9.5	46
83	Carbon nanofiber-supported PdNi alloy nanoparticles as highly efficient bifunctional catalysts for hydrogen and oxygen evolution reactions. <i>Electrochimica Acta</i> , <b>2017</b> , 246, 17-26	6.7	47
82	Designed Synthesis of Size-Controlled Pt/Cu Alloy Nanoparticles Encapsulated in Carbon Nanofibers and Their High Efficient Electrocatalytic Activity Toward Hydrogen Evolution Reaction. <i>Advanced Materials Interfaces</i> , <b>2017</b> , 4, 1700005	4.6	21
81	Facile Construction of MoS <sub>2</sub> /CNFs Hybrid Structure for a Hydrogen Evolution Reaction. <i>International Journal of Electrochemical Science</i> , <b>2017</b> , 4563-4573	2.2	4
80	Free-Standing and Eco-Friendly Polyaniline Thin Films for Multifunctional Sensing of Physical and Chemical Stimuli. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1703147	15.6	32
79	Electrocatalysis: Morphology and Structure Engineering in Nanofiber Reactor: Tubular Hierarchical Integrated Networks Composed of Dual Phase Octahedral CoMn <sub>2</sub> O <sub>4</sub> /Carbon Nanofibers for Water Oxidation (Small 26/2017). <i>Small</i> , <b>2017</b> , 13,	11	1
78	A Facile Strategy to Synthesize Cobalt-Based Self-Supported Material for Electrocatalytic Water Splitting. <i>Particle and Particle Systems Characterization</i> , <b>2017</b> , 34, 1700189	3.1	13
77	A self-supported electrochemical sensor for simultaneous sensitive detection of trace heavy metal ions based on PtAu alloy/carbon nanofibers. <i>Analytical Methods</i> , <b>2017</b> , 9, 6801-6807	3.2	10

76	Synthesis of a MoS <sub>2</sub> (1-x)Se <sub>2x</sub> ternary alloy on carbon nanofibers as the high efficient water splitting electrocatalyst. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 1912-1918	6.7	25
75	Functional materials from nature: honeycomb-like carbon nanosheets derived from silk cocoon as excellent electrocatalysts for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2016</b> , 215, 223-230	6.7	49
74	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> , <b>2016</b> , 41, 21870-21882	6.7	33
73	WO <sub>3-x</sub> Nanoplates Grown on Carbon Nanofibers for an Efficient Electrocatalytic Hydrogen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 18132-9	9.5	97
72	Highly efficient and durable PtCo alloy nanoparticles encapsulated in carbon nanofibers for electrochemical hydrogen generation. <i>Chemical Communications</i> , <b>2016</b> , 52, 990-3	5.8	76
71	Facile and green fabrication of size-controlled AuNPs/CNFs hybrids for the highly sensitive simultaneous detection of heavy metal ions. <i>Electrochimica Acta</i> , <b>2016</b> , 196, 422-430	6.7	75
70	Facile Fabrication of ZnO/TiO <sub>2</sub> Heterogeneous Nanofibres and Their Photocatalytic Behaviour and Mechanism towards Rhodamine B. <i>Nanomaterials and Nanotechnology</i> , <b>2016</b> , 6, 9	2.9	25
69	Silk-derived graphene-like carbon with high electrocatalytic activity for oxygen reduction reaction. <i>RSC Advances</i> , <b>2016</b> , 6, 34219-34224	3.7	21
68	Nitrogen and gold nanoparticles co-doped carbon nanofiber hierarchical structures for efficient hydrogen evolution reactions. <i>Electrochimica Acta</i> , <b>2016</b> , 208, 1-9	6.7	22
67	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> , <b>2016</b> , 109, 162-170	8.1	23
66	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> , <b>2016</b> , 41, 18044-18049	6.7	38
65	Synthesis of MoSe <sub>2</sub> /Carbon Nanofibers Hybrid and Its Hydrogen Evolution Reaction Performance. <i>Chemistry Letters</i> , <b>2016</b> , 45, 69-71	1.7	7
64	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> , <b>2015</b> , 286, 533-44	12.8	143
63	Controlled morphology evolution of electrospun carbon nanofiber templated tungsten disulfide nanostructures. <i>Electrochimica Acta</i> , <b>2015</b> , 176, 255-264	6.7	17
62	WSe <sub>2</sub> and W(SexS <sub>1-x</sub> ) <sub>2</sub> nanoflakes grown on carbon nanofibers for the electrocatalytic hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 18090-18097	13	92
61	Immobilization of Pt Nanoparticles in Carbon Nanofibers: Bifunctional Catalyst for Hydrogen Evolution and Electrochemical Sensor. <i>Electrochimica Acta</i> , <b>2015</b> , 167, 48-54	6.7	55
60	A 3D dendritic WSe <sub>2</sub> catalyst grown on carbon nanofiber mats for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 12149-12153	13	67
59	Synthesis and deposition of ultrafine noble metallic nanoparticles on amino-functionalized halloysite nanotubes and their catalytic application. <i>Materials Research Bulletin</i> , <b>2015</b> , 61, 375-382	5.1	35

58	Synthesis and Immobilization of Pt Nanoparticles on Amino-Functionalized Halloysite Nanotubes toward Highly Active Catalysts. <i>Nanomaterials and Nanotechnology</i> , <b>2015</b> , 5, 4	2.9	27
57	When cubic cobalt sulfide meets layered molybdenum disulfide: a core-shell system toward synergetic electrocatalytic water splitting. <i>Advanced Materials</i> , <b>2015</b> , 27, 4752-9	24	575
56	Facile Fabrication of Au Nanoparticles Immobilized on Polyaniline Nanofibers: High Sensitive Nonenzymatic Hydrogen Peroxide Sensor. <i>Nanoscience and Nanotechnology Letters</i> , <b>2015</b> , 7, 127-133	0.8	9
55	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> , <b>2014</b> , 54, 91-101	11.8	41
54	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> , <b>2014</b> , 2, 11728-11741	13	22
53	S-rich single-layered MoS <sub>2</sub> nanoplates embedded in N-doped carbon nanofibers: efficient co-electrocatalysts for the hydrogen evolution reaction. <i>Chemical Communications</i> , <b>2014</b> , 50, 15435-8	5.8	109
52	Fabrication of Gold Nanoparticles Modified Carbon Nanofibers/Polyaniline Electrode for H <sub>2</sub> O <sub>2</sub> Determination. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, H816-H821	3.9	7
51	The design and construction of 3D rose-petal-shaped MoS <sub>2</sub> hierarchical nanostructures with structure-sensitive properties. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 7680	13	67
50	In situ growth of Rh nanoparticles with controlled sizes and dispersions on the cross-linked PVABEI nanofibers and their electrocatalytic properties towards H <sub>2</sub> O <sub>2</sub> . <i>RSC Advances</i> , <b>2014</b> , 4, 794-804	3.7	18
49	Facile fabrication of polyaniline nanotubes/gold hybrid nanostructures as substrate materials for biosensors. <i>Chemical Engineering Journal</i> , <b>2014</b> , 258, 281-289	14.7	29
48	Synthesis and Catalytic Properties of Polyaniline/Au Hybrid Nanostructure. <i>Soft Materials</i> , <b>2014</b> , 12, 179-184	1.84	9
47	SYNTHESIS AND CHARACTERIZATION OF Au NANOPARTICLES/REDUCED GRAPHENE OXIDE NANOCOMPOSITE: A FACILE AND ECO-FRIENDLY APPROACH. <i>Nano</i> , <b>2014</b> , 09, 1450031	1.1	
46	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> , <b>2014</b> , 12, 387-395	1.7	9
45	Design of two-dimensional, ultrathin MoS <sub>2</sub> nanoplates fabricated within one-dimensional carbon nanofibers with thermosensitive morphology: high-performance electrocatalysts for the hydrogen evolution reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 22126-37	9.5	93
44	Facile fabrication of AuNPs/PANI/HNTs nanostructures for high-performance electrochemical sensors towards hydrogen peroxide. <i>Chemical Engineering Journal</i> , <b>2014</b> , 248, 307-314	14.7	29
43	The preparation of tubular heterostructures based on titanium dioxide and silica nanotubes and their photocatalytic activity. <i>Dalton Transactions</i> , <b>2014</b> , 43, 1846-53	4.3	11
42	AgNPs/PVA and AgNPs/(PVA/PEI) hybrids: preparation, morphology and antibacterial activity. <i>Journal Physics D: Applied Physics</i> , <b>2013</b> , 46, 345303	3	10
41	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> , <b>2013</b> , 185, 608-619	8.5	28

40	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> , <b>2013</b> , 76, 8-13	8.6	40
39	Facile fabrication of AgNPs/(PVA/PEI) nanofibers: high electrochemical efficiency and durability for biosensors. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 49, 210-5	11.8	53
38	A new strategy for the surface-free-energy-distribution induced selective growth and controlled formation of Cu <sub>2</sub> O/Au hierarchical heterostructures with a series of morphological evolutions. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 919-929	13	75
37	Synthesis of silver nanoparticles in electrospun polyacrylonitrile nanofibers using tea polyphenols as the reductant. <i>Polymer Engineering and Science</i> , <b>2013</b> , 53, 1099-1108	2.3	28
36	Use of TX100-dangled epoxy as a reactive noncovalent dispersant of vapor-grown carbon nanofibers in an aqueous solution. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 391, 8-15	9.3	13
35	Organic-inorganic hybrid network constructed in polypropylene matrix and its reinforcing effects on polypropylene composites. <i>Journal of Reinforced Plastics and Composites</i> , <b>2013</b> , 32, 174-182	2.9	6
34	TEMPLATE STRATEGY FOR THE SYNTHESIS OF Cu <sub>2</sub> O@t HIERARCHICAL HETEROSTRUCTURES FOR THE DEGRADATION OF METHYLENE BLUE. <i>Nano</i> , <b>2013</b> , 08, 1350062	1.1	3
33	Selective growth of Au nanograins on specific positions (tips, edges and facets) of Cu <sub>2</sub> O octahedrons to form Cu <sub>2</sub> O-Au hierarchical heterostructures. <i>Dalton Transactions</i> , <b>2012</b> , 41, 13795-9	4.3	29
32	Effects of Magnesium Borate Whiskers on the Antiwear and Mechanical Performance of Natural Rubber. <i>Tribology Transactions</i> , <b>2012</b> , 55, 822-828	1.8	
31	Green synthesis of halloysite nanotubes supported Ag nanoparticles for photocatalytic decomposition of methylene blue. <i>Journal Physics D: Applied Physics</i> , <b>2012</b> , 45, 325302	3	45
30	Effects of Plant Polyphenols on the Interface and Mechanical Properties of Rubber/Silica Composites. <i>Polymers and Polymer Composites</i> , <b>2012</b> , 20, 853-860	0.8	1
29	Synthesis of Transparent Densely Crosslinked Polysiloxane with High Refractive Index. <i>Journal of Macromolecular Science - Physics</i> , <b>2012</b> , 51, 2462-2472	1.4	10
28	Green synthesis of Au nanoparticles immobilized on halloysite nanotubes for surface-enhanced Raman scattering substrates. <i>Dalton Transactions</i> , <b>2012</b> , 41, 10465-71	4.3	127
27	Facile and green synthesis of well-dispersed Au nanoparticles in PAN nanofibers by tea polyphenols. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 9301		67
26	Investigation on Structures and Properties of Shape Memory Polyurethane/Silica Nanocomposites. <i>Chinese Journal of Chemistry</i> , <b>2011</b> , 29, 703-710	4.9	13
25	Fabrication and Properties of Shape Memory Polyurethane Surface Modified Vapor Grown Carbon Nanofiber Composites. <i>Advanced Materials Research</i> , <b>2011</b> , 239-242, 855-859	0.5	
24	Effects of halloysite nanotubes on kinetics and activation energy of non-isothermal crystallization of polypropylene. <i>Journal of Polymer Research</i> , <b>2010</b> , 17, 109-118	2.7	61
23	Reinforcing thermoplastics with hydrogen bonding bridged inorganics. <i>Physica B: Condensed Matter</i> , <b>2010</b> , 405, 655-662	2.8	30



22	Newly emerging applications of halloysite nanotubes: a review. <i>Polymer International</i> , <b>2010</b> , 59, 574-582	3.3	523
21	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> , <b>2009</b> , 42, 075306	3	5
20	MORPHOLOGY, INTERFACIAL INTERACTION AND PROPERTIES OF STYRENE-BUTADIENE RUBBER/MODIFIED HALLOYSITE NANOTUBE NANOCOMPOSITES. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2009</b> , 27, 857	3.5	29
19	Crystallization behavior of polyamide 6/halloysite nanotubes nanocomposites. <i>Thermochimica Acta</i> , <b>2009</b> , 484, 48-56	2.9	114
18	Halloysite nanotubes as a novel nucleating agent for isotactic polypropylene. <i>Polymer</i> , <b>2009</b> , 50, 3022-3030	3.0	188
17	Benzothiazole sulfide compatibilized polypropylene/halloysite nanotubes composites. <i>Applied Surface Science</i> , <b>2009</b> , 255, 4961-4969	6.7	40
16	Reinforcing and Flame-Retardant Effects of Halloysite Nanotubes on LLDPE. <i>Polymer-Plastics Technology and Engineering</i> , <b>2009</b> , 48, 607-613		102
15	Interactions between halloysite nanotubes and 2,5-bis(2-benzoxazolyl) thiophene and their effects on reinforcement of polypropylene/halloysite nanocomposites. <i>Nanotechnology</i> , <b>2008</b> , 19, 205709	3.4	100
14	Morphology and properties of halloysite nanotubes reinforced polypropylene nanocomposites. <i>E-Polymers</i> , <b>2008</b> , 8,	2.7	7
13	Carboxylated butadiene-styrene rubber/halloysite nanotube nanocomposites: Interfacial interaction and performance. <i>Polymer</i> , <b>2008</b> , 49, 4871-4876	3.9	189
12	Natural inorganic nanotubes reinforced epoxy resin nanocomposites. <i>Journal of Polymer Research</i> , <b>2008</b> , 15, 205-212	2.7	121
11	Styrene-butadiene rubber/halloysite nanotubes nanocomposites modified by methacrylic acid. <i>Applied Surface Science</i> , <b>2008</b> , 255, 2715-2722	6.7	84
10	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> , <b>2008</b> , 40, 1087-1093	2.7	29
9	Thermal Decomposition and Oxidation Ageing Behaviour of Polypropylene/Halloysite Nanotube Nanocomposites. <i>Polymers and Polymer Composites</i> , <b>2007</b> , 15, 321-328	0.8	26
8	Formation of Reinforcing Inorganic Network in Polymer via Hydrogen Bonding Self-Assembly Process. <i>Polymer Journal</i> , <b>2007</b> , 39, 208-212	2.7	41
7	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> , <b>2007</b> , 88, 391-395	2.6	120
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5	Thermal stability and flame retardant effects of halloysite nanotubes on poly(propylene). <i>European Polymer Journal</i> , <b>2006</b> , 42, 1362-1369	5.2	381

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3	Effects of Thermal and UV-induced Grafting of Bismaleimide on Mechanical Performance of Reclaimed Rubber/Natural Rubber Blends. <i>Journal of Polymer Research</i> , <b>2005</b> , 12, 473-482	2.7	21
2	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
1	Interatomic Electronegativity Offset Dictates Selectivity When Catalyzing the CO <sub>2</sub> Reduction Reaction. <i>Advanced Energy Materials</i> , 2200579	21.8	7