

# Yu-Cheng Wu

## List of Publications by Year in descending order

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280  
papers

8,406  
citations

50276

46  
h-index

71685

76  
g-index

281  
all docs

281  
docs citations

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times ranked

10850  
citing authors

#	ARTICLE	IF	CITATIONS
1	Switching CO <sub>2</sub> Electroreduction Selectivity Between C <sub>1</sub> and C <sub>2</sub> Hydrocarbons on Cu Gas-Diffusion Electrodes. Energy and Environmental Materials, 2023, 6, .	12.8	7
2	Recent advances in gum metal: Synthesis, performance and application. Critical Reviews in Solid State and Materials Sciences, 2023, 48, 257-288.	12.3	2
3	Tailoring strength and ductility of high-entropy CrMnFeCoNi alloy by adding Al. Rare Metals, 2022, 41, 1015-1021.	7.1	27
4	Microstructure and compression properties of a dual-phase FeCoCrMn high-entropy alloy. Advanced Composites and Hybrid Materials, 2022, 5, 1508-1515.	21.1	10
5	Experimental investigation on filtration characteristic with different filter material of bag dust collector for dust removal. International Journal of Coal Preparation and Utilization, 2022, 42, 3554-3569.	2.1	7
6	Highly efficient solar-driven photocatalytic hydrogen evolution with FeMoS <sub>x</sub> /mpg-C <sub>3</sub> N <sub>4</sub> heterostructure. Chemical Engineering Journal, 2022, 427, 131507.	12.7	4
7	Nanoporous carbon nanowires derived from one-dimensional metal-organic framework core-shell hybrids for enhanced electrochemical energy storage. Applied Surface Science, 2022, 576, 151800.	6.1	9
8	ZIF-8 derived TiO <sub>2</sub> /ZnO heterostructure decorated with AgNPs as SERS sensor for sensitive identification of trace pesticides. Journal of Alloys and Compounds, 2022, 901, 163675.	5.5	19
9	Pseudocapacitive TiNb <sub>2</sub> O <sub>7</sub> /reduced graphene oxide nanocomposite for high-rate lithium ion hybrid capacitors. Journal of Colloid and Interface Science, 2022, 610, 385-394.	9.4	11
10	New insights into the key bifunctional role of sulfur in Fe-N-C single-atom catalysts for ORR/OER. Nanoscale, 2022, 14, 3212-3223.	5.6	32
11	Al doped Ni-Co layered double hydroxides with surface-sulphuration for highly stable flexible supercapacitors. Journal of Colloid and Interface Science, 2022, 615, 173-183.	9.4	19
12	Nitrogen-doped porous carbon derived from bimetallic zeolitic imidazolate frameworks for electrochemical Li <sup>+</sup> /Na <sup>+</sup> storage. Journal of Solid State Electrochemistry, 2022, 26, 683-693.	2.5	1
13	Irradiation damage of reduced activation ferritic/martensitic steel CLAM exposed to low-energy high-flux D <sup>+</sup> -He mixture plasma. Fusion Engineering and Design, 2022, 176, 113015.	1.9	5
14	High-yielding preparation of hierarchically branched carbon nanotubes derived from zeolitic imidazolate frameworks for enhanced electrochemical K <sup>+</sup> storage. Dalton Transactions, 2022, 51, 5441-5447.	3.3	4
15	Platinum Nanoparticle-Electrodeposited Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene as a Binder-Free Electrocatalyst for Improved Hydrogen Evolution. ACS Applied Energy Materials, 2022, 5, 3092-3099.	5.1	12
16	Efficient degradation of ciprofloxacin by Co <sub>3</sub> O <sub>4</sub> /Si nanoarrays heterojunction activated peroxydisulfate under simulated sunlight: Performance and mechanism. Journal of Environmental Chemical Engineering, 2022, 10, 107397.	6.7	17
17	Layer-by-Layer Assembly of CeO <sub>2</sub> @C-rGO Nanocomposites and CNTs as a Multifunctional Separator Coating for Highly Stable Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2022, 14, 18634-18645.	8.0	24
18	Surface Damage and Microstructure Evolution of Yttria Particle-Reinforced Tungsten Plate during Transient Laser Thermal Shock. Metals, 2022, 12, 686.	2.3	2

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19	Corrosion resistance of niobium-added slag-free self-shielded flux-cored welding overlay in neutral solution. <i>Materials Science and Technology</i> , 2022, 38, 1185-1194.	1.6	0
20	Electron coupled FeS <sub>2</sub> /MoS <sub>2</sub> heterostructure for efficient electrocatalytic ammonia synthesis under ambient conditions. <i>Dalton Transactions</i> , 2022, 51, 9720-9727.	3.3	6
21	Entropy versus enthalpy in hexagonal-close-packed high-entropy alloys. <i>Rare Metals</i> , 2022, 41, 2906-2920.	7.1	4
22	Grain Boundary-Derived Cu <sup>+</sup> /Cu <sup>0</sup> Interfaces in CuO Nanosheets for Low Overpotential Carbon Dioxide Electroreduction to Ethylene. <i>Advanced Science</i> , 2022, 9, .	11.2	51
23	Electron-Coupled PBDIT/CdS Heterostructure Enables Hole Extraction for Efficient Photocatalytic Hydrogen Production. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 25278-25287.	8.0	8
24	In situ W/O Co-doped hollow carbon nitride tubular structures with enhanced visible-light-driven photocatalytic performance for hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 234-246.	7.1	19
25	Effects of different alloying elements M (M = Fe, Ni, Mn, Si, Mo, Cu, Y) on Cr <sub>2</sub> O <sub>3</sub> with Cl: a first-principles study. <i>Journal of Iron and Steel Research International</i> , 2021, 28, 613-620.	2.8	2
26	Construction of CdSe polymorphic junctions with coherent interface for enhanced photoelectrocatalytic hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119552.	20.2	69
27	Effect of Ti on the corrosion behaviour of as-cast Fe-17Cr ferritic stainless steel. <i>Corrosion Engineering Science and Technology</i> , 2021, 56, 244-253.	1.4	4
28	Theoretical understanding for anchoring effect of MOFs for lithium-sulfur batteries. <i>Computational and Theoretical Chemistry</i> , 2021, 1196, 113110.	2.5	4
29	The influences of graphene oxide (GO) and plasmonic Ag nanoparticles modification on the SERS sensing performance of TiO <sub>2</sub> nanosheet arrays. <i>Journal of Alloys and Compounds</i> , 2021, 864, 158189.	5.5	22
30	Li <sub>2</sub> O-2B <sub>2</sub> O <sub>3</sub> coating decorated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> anode for enhanced rate capability and cycling stability in lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 574-582.	9.4	17
31	Electronic Structure Tuning of 2D Metal (Hydr)oxides Nanosheets for Electrocatalysis. <i>Small</i> , 2021, 17, e2002240.	10.0	90
32	Study on the Corrosion Resistance of (Nd,Dy)-Fe-B Magnets Obtained by Grain Boundary Diffusion Method. <i>IEEE Transactions on Magnetics</i> , 2021, 57, 1-6.	2.1	2
33	Controlled growth of porous oxygen-deficient NiCo <sub>2</sub> O <sub>4</sub> nanobelts as high-efficiency electrocatalysts for oxygen evolution reaction. <i>Catalysis Science and Technology</i> , 2021, 11, 264-271.	4.1	11
34	A MoSe <sub>2</sub> quantum dot modified hole extraction layer enables binary organic solar cells with improved efficiency and stability. <i>Journal of Materials Chemistry A</i> , 2021, 9, 16500-16509.	10.3	16
35	Microstructure and mechanical properties of SiCp/AZ91 composite processed with extrusion and EPT. <i>Materials Science and Technology</i> , 2021, 37, 269-279.	1.6	8
36	Self-Loomotive Soft Actuator Based on Asymmetric Microstructural Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Film Driven by Natural Sunlight Fluctuation. <i>ACS Nano</i> , 2021, 15, 5294-5306.	14.6	103

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37	Designed Construction of SrTiO <sub>3</sub> /SrSO <sub>4</sub> /Pt Heterojunctions with Boosted Photocatalytic H <sub>2</sub> Evolution Activity. Chemistry - A European Journal, 2021, 27, 7300-7306.	3.3	12
38	Self-passivating smart tungsten alloys for DEMO: a progress in joining and upscale for a first wall mockup. Tungsten, 2021, 3, 101-115.	4.8	6
39	Self-Doping Surface Oxygen Vacancy-Induced Lattice Strains for Enhancing Visible Light-Driven Photocatalytic H <sub>2</sub> Evolution over Black TiO <sub>2</sub> . ACS Applied Materials & Interfaces, 2021, 13, 18758-18771.	8.0	127
40	Microstructure and mechanical properties of spark plasma diffusion-bonded 5A06Al joints with Al <sub>20</sub> Cu <sub>5</sub> Si <sub>2</sub> Ni interlayer. International Journal of Advanced Manufacturing Technology, 2021, 114, 3627-3643.	3.0	0
41	Characteristics of Microstructure Evolution during FAST Joining of the Tungsten Foil Laminate. Metals, 2021, 11, 886.	2.3	4
42	Successive strain hardening mechanisms induced by transformation induced plasticity in Fe <sub>60</sub> Mn <sub>20</sub> Co <sub>10</sub> Cr <sub>10</sub> high entropy alloys. Journal of Applied Physics, 2021, 129, .	2.5	18
43	±-MnO <sub>2</sub> Nanowires and Amino-Modified Reduced Graphene Oxide Hybrid Films for Constructing the Flexible High-Performance Symmetrical Supercapacitors. Nano, 2021, 16, 2150080.	1.0	0
44	Zn <sub>2</sub> S Flower-Like SnO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> Composite with Sn <sup>2+</sup> Active Center for Enhanced Visible-Light Photocatalytic Activity. Advanced Sustainable Systems, 2021, 5, 2100087.	5.3	20
45	Advances in engineering perovskite oxides for photochemical and photoelectrochemical water splitting. Applied Physics Reviews, 2021, 8, .	11.3	19
46	Carbon Nanolayer-Wrapped Mesoporous TiO <sub>2</sub> -B/Anatase for Li <sup>+</sup> Storage. ACS Applied Nano Materials, 2021, 4, 7832-7839.	5.0	8
47	Light-Driven Self-Oscillating Actuators with Phototactic Locomotion Based on Black Phosphorus Heterostructure. Angewandte Chemie, 2021, 133, 20674-20680.	2.0	3
48	Light-Driven Self-Oscillating Actuators with Phototactic Locomotion Based on Black Phosphorus Heterostructure. Angewandte Chemie - International Edition, 2021, 60, 20511-20517.	13.8	82
49	3D Tungsten Disulfide/Carbon Nanotube Networks as Separator Coatings and Cathode Additives for Stable and Fast Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2021, 13, 45547-45557.	8.0	17
50	New insights into synergistic effects of La <sub>2</sub> O <sub>3</sub> and nitrogen doped carbon for improved redox kinetics in lithium-sulfur batteries: A computational study. Applied Surface Science, 2021, 563, 150172.	6.1	10
51	Ag Nanoparticle-Decorated Mesoporous Silica as a Dual-Mode Raman Sensing Platform for Detection of Volatile Organic Compounds. ACS Applied Nano Materials, 2021, 4, 1019-1028.	5.0	13
52	Improved hydrogen evolution with SnS <sub>2</sub> quantum dot-incorporated black Si photocathode. Dalton Transactions, 2021, 50, 13329-13336.	3.3	3
53	Designing core-shell metal-organic framework hybrids: toward high-efficiency electrochemical potassium storage. Journal of Materials Chemistry A, 2021, 9, 26181-26188.	10.3	10
54	Tunable Synthesis of 3D Niobium Oxynitride Nanosheets for Lithium-Ion Hybrid Capacitors with High Energy/Power Density. ACS Sustainable Chemistry and Engineering, 2021, 9, 14569-14578.	6.7	7

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55	Progress of low-frequency sound absorption research utilizing intelligent materials and acoustic metamaterials. RSC Advances, 2021, 11, 37784-37800.	3.6	20
56	3D Hierarchical Urchin-Like Ni <sub>0.3</sub> Co <sub>0.6</sub> Cu <sub>0.1</sub> (CO <sub>3</sub> ) <sub>0.5</sub> (OH) Microspheres for Supercapacitors with High Specific Capacitance. Energy & Fuels, 2021, 35, 20358-20366.	5.1	11
57	Oxygen vacancy self-doped black TiO <sub>2</sub> nanotube arrays by aluminothermic reduction for photocatalytic CO <sub>2</sub> reduction under visible light illumination. Journal of CO <sub>2</sub> Utilization, 2020, 35, 205-215.	6.8	116
58	Zn-Co Sulfide Microflowers Anchored on Three-Dimensional Graphene: A High Capacitance and Long Cycle-Life Electrode for Asymmetric Supercapacitors. Chemistry - A European Journal, 2020, 26, 650-658.	3.3	21
59	Mesoporous g-C <sub>3</sub> N <sub>4</sub> /CD nanocomposites modified glassy carbon electrode for electrochemical determination of 2,4,6-trinitrotoluene. Talanta, 2020, 208, 120410.	5.5	26
60	Structures and photoelectrochemical performances of reduced TiO <sub>2</sub> NTAs obtained by hydrogen thermal and electrochemical reduction methods. Journal of Solid State Electrochemistry, 2020, 24, 365-374.	2.5	0
61	Rational Design of Nanostructured Electrode Materials toward Multifunctional Supercapacitors. Advanced Functional Materials, 2020, 30, 1902564.	14.9	252
62	Hierarchical NiCo <sub>2</sub> O <sub>4</sub> /MnO <sub>2</sub> core-shell nanosheets arrays for flexible asymmetric supercapacitor. Journal of Materials Science, 2020, 55, 688-700.	3.7	31
63	Synthesis of Ni <sup>2+</sup> /MoS <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> for Photocatalytic Hydrogen Evolution under Visible Light. ChemCatChem, 2020, 12, 911-916.	3.7	18
64	Multifunctional Supercapacitors: Rational Design of Nanostructured Electrode Materials toward Multifunctional Supercapacitors (Adv. Funct. Mater. 2/2020). Advanced Functional Materials, 2020, 30, 2070008.	14.9	7
65	A surface precleaning strategy intensifies the interface coupling of the Bi <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> heterostructure for enhanced photoelectrochemical detection properties. Materials Chemistry Frontiers, 2020, 4, 638-644.	5.9	9
66	In situ growth of a 2D/3D mixed perovskite interface layer by seed-mediated and solvent-assisted Ostwald ripening for stable and efficient photovoltaics. Journal of Materials Chemistry C, 2020, 8, 2425-2435.	5.5	29
67	A C@TiO <sub>2</sub> yolk-shell heterostructure for synchronous photothermal photocatalytic degradation of organic pollutants. Journal of Materials Chemistry C, 2020, 8, 1025-1040.	5.5	71
68	Broadband Plasmonic Enhancement of High-Efficiency Dye-Sensitized Solar Cells by Incorporating Au@Ag@SiO <sub>2</sub> Core-Shell Nanocuboids. ACS Applied Materials & Interfaces, 2020, 12, 538-545.	8.0	24
69	Microstructure Stability and Its Influence on the Mechanical Properties of CrMnFeCoNiAl <sub>0.25</sub> High Entropy Alloy. Metals and Materials International, 2020, 26, 1192-1199.	3.4	22
70	Plasmonic nanoprism enhanced quasi-2D Ruddlesden-Popper layered perovskite photodetectors. Journal of Materials Chemistry C, 2020, 8, 1110-1117.	5.5	19
71	Assembling reduced graphene oxide with sulfur/nitrogen- for electrochemical determination of Hg(II). Analytica Chimica Acta, 2020, 1100, 31-39.	5.4	38
72	Probing Interface Manipulation of Metal-Graphene Composites via Doping and Vacancy Engineering towards Excellent Mechanical Strengths. ChemistrySelect, 2020, 5, 61-68.	1.5	3

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73	The influence of different isochronal annealing temperature on helium ion irradiation damage of W-Nb composites. <i>Fusion Engineering and Design</i> , 2020, 159, 111857.	1.9	6
74	Preparation technologies and performance studies of tritium permeation barriers for future nuclear fusion reactors. <i>Surface and Coatings Technology</i> , 2020, 403, 126301.	4.8	22
75	RESEARCH STATUS OF DRY FRICTION BEHAVIOR OF METALLIC MATERIALS: A BRIEF REVIEW. <i>Surface Review and Letters</i> , 2020, 27, 2030003.	1.1	2
76	CoO Quantum Dots Anchored on Reduced Graphene Oxide Aerogels for Lithium-Ion Storage. <i>ACS Applied Nano Materials</i> , 2020, 3, 10369-10379.	5.0	16
77	Tuning Morphology and Electronic Structure of Amorphous NiFeB Nanosheets for Enhanced Electrocatalytic N <sub>2</sub> Reduction. <i>ACS Applied Energy Materials</i> , 2020, 3, 9516-9522.	5.1	16
78	Phosphating passivation of vacuum evaporated Al/NdFeB magnets boosting high anti-corrosion performances. <i>Surface and Coatings Technology</i> , 2020, 399, 126115.	4.8	17
79	High-Value Utilization of Lignin To Prepare Functional Carbons toward Advanced Lithium-Ion Capacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11522-11531.	6.7	32
80	Synthesis of SrTiO <sub>3</sub> submicron cubes with simultaneous and competitive photocatalytic activity for H <sub>2</sub> O splitting and CO <sub>2</sub> reduction. <i>RSC Advances</i> , 2020, 10, 42619-42627.	3.6	10
81	Construction of three-dimensional hierarchical Pt/TiO <sub>2</sub> @C nanowires with enhanced methanol oxidation properties. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 33440-33447.	7.1	12
82	Theoretical Insights into the Favorable Functionalized Ti <sub>2</sub> C-Based MXenes for Lithium-Sulfur Batteries. <i>ACS Omega</i> , 2020, 5, 29272-29283.	3.5	28
83	Rational Regulation of Surface Free Radicals on TiO <sub>2</sub> Nanotube Arrays via Ag <sub>2</sub> O@AgBiO <sub>3</sub> towards Enhanced Selective Photoelectrochemical Detection. <i>Nanomaterials</i> , 2020, 10, 2002.	4.1	1
84	Directly Exfoliated Ultrathin Silicon Nanosheets for Enhanced Photocatalytic Hydrogen Production. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8668-8674.	4.6	14
85	An Air Pollutant Emission Reduction Path of China's Power Industry. <i>Atmosphere</i> , 2020, 11, 852.	2.3	2
86	Carbon-Coated Self-Assembled Ultrathin T-Nb <sub>2</sub> O <sub>5</sub> Nanosheets for High-Rate Lithium-Ion Storage with Superior Cycling Stability. <i>ACS Applied Energy Materials</i> , 2020, 3, 12037-12045.	5.1	26
87	Enhancing Interfacial Properties of Mg <sub>2</sub> Si-Based Thermoelectric Joint with Mg <sub>2</sub> SiNi <sub>3</sub> Compound as Electrodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1901035.	1.8	7
88	A composite nanosensing array with two response channels for trinitrobenzoic acid optical test. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 238, 118449.	3.9	0
89	Microstructure and mechanical properties of W/steel joints diffusion bonded with Nb and Nb/Ni interlayers by spark plasma sintering. <i>Journal of Adhesion Science and Technology</i> , 2020, 34, 2638-2651.	2.6	10
90	High-performance p-type elemental Te thermoelectric materials enabled by the synergy of carrier tuning and phonon engineering. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12156-12168.	10.3	12

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91	PoisonRec: An Adaptive Data Poisoning Framework for Attacking Black-box Recommender Systems. , 2020, , .		32
92	Enhanced Energy Storage Performance of 3D Hybrid Metal Sulfides via Synergistic Engineering of Architecture and Composition. ACS Sustainable Chemistry and Engineering, 2020, 8, 11491-11500.	6.7	5
93	Study on microstructure and properties of resistance spot welding of Mg/Ti dissimilar materials. Science and Technology of Welding and Joining, 2020, 25, 581-588.	3.1	7
94	Strengthening of an Al <sub>0.45</sub> CoCrFeNi high-entropy alloy via in situ fabricated duplex-structured composites. Journal of Materials Science, 2020, 55, 7894-7909.	3.7	19
95	A powder metallurgy route to fabricate CNT-reinforced molybdenum-hafnium-carbon composites. Materials and Design, 2020, 191, 108635.	7.0	16
96	Enhanced Efficiency and Stability of Inverted Planar Perovskite Solar Cells With Piperazine as an Efficient Dopant Into PCBM. IEEE Journal of Photovoltaics, 2020, 10, 811-817.	2.5	7
97	PGM-Free Fe/N/C and Ultralow Loading Pt/C Hybrid Cathode Catalysts with Enhanced Stability and Activity in PEM Fuel Cells. ACS Applied Materials & Interfaces, 2020, 12, 13739-13749.	8.0	36
98	Charge compensation weakening ionized impurity scattering and assessing the minority carrier contribution to the Seebeck coefficient in Pb-doped Mg <sub>3</sub> Sb <sub>2</sub> compounds. Physical Chemistry Chemical Physics, 2020, 22, 7012-7020.	2.8	10
99	Confinement of Intermediates in Blue TiO <sub>2</sub> Nanotube Arrays Boosts Reaction Rate of Nitrogen Electrocatalysis. ChemCatChem, 2020, 12, 2760-2767.	3.7	18
100	Fiber Volume Fraction Influence on Randomly Distributed Short Fiber Tungsten Fiber-Reinforced Tungsten Composites. Advanced Engineering Materials, 2020, 22, 1901242.	3.5	11
101	Microstructure and Tensile Properties of SiC Particles Reinforced AZ31 Magnesium Alloys Prepared by Multi-pass Friction Stir Processing. Transactions of the Indian Institute of Metals, 2020, 73, 1093-1099.	1.5	3
102	A multifunctional separator based on scandium oxide nanocrystal decorated carbon nanotubes for high performance lithium-sulfur batteries. Nanoscale, 2020, 12, 6832-6843.	5.6	34
103	Rational Design of Oxygen Deficiency-Controlled Tungsten Oxide Electrochromic Films with an Exceptional Memory Effect. ACS Applied Materials & Interfaces, 2020, 12, 32658-32665.	8.0	46
104	Experimental study on corrosion-erosion behavior of ITER blanket structure materials in flowing Pb-17Li. Fusion Engineering and Design, 2020, 156, 111596.	1.9	4
105	Theoretical prediction of B/Al-doped black phosphorus as potential cathode material in lithium-sulfur batteries. Applied Surface Science, 2020, 512, 145639.	6.1	22
106	Recent advances in black phosphorus/carbon hybrid composites: from improved stability to applications. Journal of Materials Chemistry A, 2020, 8, 4647-4676.	10.3	39
107	Low-Strain Reticular Sodium Manganese Oxide as an Ultrastable Cathode for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 14174-14184.	8.0	24
108	A solvent-assisted ligand exchange approach enables metal-organic frameworks with diverse and complex architectures. Nature Communications, 2020, 11, 927.	12.8	93

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109	Stability of Perovskite Light Sources: Status and Challenges. <i>Advanced Optical Materials</i> , 2020, 8, 1902012.	7.3	54
110	Effect of Nb addition on the microstructure and corrosion resistance of ferritic stainless steel. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	13
111	Recent Advances in Non-Precious Transition Metal/Nitrogen-doped Carbon for Oxygen Reduction Electrocatalysts in PEMFCs. <i>Catalysts</i> , 2020, 10, 141.	3.5	46
112	Role of Gas Coal in Directional Regulation of Sulfur during Coal-Blending Coking of High Organic-Sulfur Coking Coal. <i>Energy &amp; Fuels</i> , 2020, 34, 2757-2764.	5.1	15
113	Assembling of Bi atoms on TiO <sub>2</sub> nanorods boosts photoelectrochemical water splitting of semiconductors. <i>Nanoscale</i> , 2020, 12, 4302-4308.	5.6	49
114	Ni-Co coordination hollow spheres for high performance flexible all-solid-state supercapacitor. <i>Electrochimica Acta</i> , 2020, 337, 135828.	5.2	27
115	An Autonomous Soft Actuator with Light-Driven Self-Sustained Wavelike Oscillation for Phototactic Self-Locomotion and Power Generation. <i>Advanced Functional Materials</i> , 2020, 30, 1908842.	14.9	100
116	Synergetic effect of interface barrier and doping on the thermoelectric transport properties of tellurium. <i>Journal of Materials Science</i> , 2020, 55, 8642-8650.	3.7	3
117	Transport parameters and permeation behavior of hydrogen isotopes in the first wall materials of future fusion reactors. <i>Fusion Engineering and Design</i> , 2020, 155, 111563.	1.9	5
118	Highly Efficient Photoelectrochemical Synthesis of Ammonia Using Plasmon-Enhanced Black Silicon under Ambient Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 20376-20382.	8.0	34
119	Self-trapping effect on the excitonic and polaronic properties of a single-layer 2D metal-halide perovskite. <i>2D Materials</i> , 2020, 7, 035020.	4.4	6
120	Autonomous Soft Actuators: An Autonomous Soft Actuator with Light-Driven Self-Sustained Wavelike Oscillation for Phototactic Self-Locomotion and Power Generation (Adv. Funct. Mater. 15/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070095.	14.9	1
121	MoS <sub>2</sub> quantum dots decorated ultrathin NiO nanosheets for overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 411-418.	9.4	38
122	In situ electrochemical oxidation of electrodeposited Ni-based nanostructure promotes alkaline hydrogen production. <i>Nanotechnology</i> , 2019, 30, 474001.	2.6	5
123	Plasmon-coupled 3D porous hotspot architecture for super-sensitive quantitative SERS sensing of toxic substances on real sample surfaces. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 19288-19297.	2.8	12
124	Tandem white organic light-emitting diodes stacked with two symmetrical emitting units simultaneously achieving superior efficiency/CRI/color stability. <i>Nanophotonics</i> , 2019, 8, 1783-1794.	6.0	22
125	Local nanostructures enhanced the thermoelectric performance of n-type PbTe. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18458-18467.	10.3	53
126	One-step template carbonization-activation synthesis of nitrogen-doped hierarchical porous carbon for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2355-2366.	2.5	6



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127	Two-Step Nitriding Behavior of Pure Iron with a Nanostructured Surface Layer. <i>Advanced Engineering Materials</i> , 2019, 21, 1900359.	3.5	5
128	Mechanistic Insights into the Chemo- and Regio-Selective B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> Catalyzed C-H Functionalization of Phenols with Diazoesters. <i>Journal of Organic Chemistry</i> , 2019, 84, 14508-14519.	3.2	27
129	Construction of WO <sub>3</sub> /Ti-doped WO <sub>3</sub> bi-layer nanopore arrays with superior electrochromic and capacitive performances. <i>Tungsten</i> , 2019, 1, 236-244.	4.8	7
130	Preface to the special issue: applications of tungsten materials. <i>Tungsten</i> , 2019, 1, 185-186.	4.8	0
131	Microstructure evolutions of the W-TiC composite conducted by dual-effects from thermal shock and He-ion irradiation. <i>Tungsten</i> , 2019, 1, 213-219.	4.8	2
132	Ultrathin porous g-CN nanosheets fabricated by direct calcination of pre-treated melamine for enhanced photocatalytic performance. <i>Journal of Materials Research</i> , 2019, 34, 3462-3473.	2.6	9
133	Hierarchical Hybrid of Few-Layer Graphene upon Tungsten Monocarbide Nanowires: Controlled Synthesis and Electrocatalytic Performance for Methanol Oxidation. <i>ACS Applied Energy Materials</i> , 2019, 2, 328-337.	5.1	3
134	Novel blue fluorescent emitters structured by linking triphenylamine and anthracene derivatives for organic light-emitting devices with EQE exceeding 5%. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10810-10817.	5.5	25
135	3D carbon coated NiCo <sub>2</sub> S <sub>4</sub> nanowires doped with nitrogen for electrochemical energy storage and conversion. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 449-457.	9.4	37
136	MoS <sub>2</sub> Quantum Dot-Modified Black Silicon for Highly Efficient Photoelectrochemical Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17598-17605.	6.7	17
137	Graphene-Based Bimorph Actuators with Dual-Response and Large Deformation by a Simple Method. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800688.	3.6	22
138	Regulation of dithiafulvene-based molecular shape and aggregation on TiO <sub>2</sub> for high efficiency dye-sensitized solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1974-1981.	5.5	15
139	Multifunctional Soft Actuators Based on Anisotropic Paper/Polymer Bilayer Toward Bioinspired Applications. <i>Advanced Materials Technologies</i> , 2019, 4, 1800674.	5.8	37
140	Coordination derived stable Ni-Co MOFs for foldable all-solid-state supercapacitors with high specific energy. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4998-5008.	10.3	133
141	Effect of Cu Interlayer on the Microstructure and Strength for Brazing of Tungsten/316L Steel. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 1745-1752.	2.5	12
142	Inorganic CsBi <sub>3</sub> I <sub>10</sub> perovskite/silicon heterojunctions for sensitive, self-driven and air-stable NIR photodetectors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 863-870.	5.5	50
143	A bioinspired multi-functional wearable sensor with an integrated light-induced actuator based on an asymmetric graphene composite film. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6879-6888.	5.5	42
144	Water-Soluble Defect-Rich MoS <sub>2</sub> Ultrathin Nanosheets for Enhanced Hydrogen Evolution. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3282-3289.	4.6	50

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145	Highly Efficient Photoinduced Enhanced Raman Spectroscopy (PIERS) from Plasmonic Nanoparticles Decorated 3D Semiconductor Arrays for Ultrasensitive, Portable, and Recyclable Detection of Organic Pollutants. <i>ACS Sensors</i> , 2019, 4, 1670-1681.	7.8	50
146	An amorphous MoS <sub>x</sub> modified g-C <sub>3</sub> N <sub>4</sub> composite for efficient photocatalytic hydrogen evolution under visible light. <i>RSC Advances</i> , 2019, 9, 15900-15909.	3.6	20
147	Single-crystalline lead halide perovskite wafers for high performance photodetectors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8357-8363.	5.5	33
148	Nitrogen, sulfur-codoped micro/mesoporous carbon derived from boat-fruited sterculia seed for robust lithium-sulfur batteries. <i>RSC Advances</i> , 2019, 9, 15715-15726.	3.6	24
149	Sulfur-deficient MoS <sub>2-x</sub> promoted lithium polysulfides conversion in lithium-sulfur battery: A first-principles study. <i>Applied Surface Science</i> , 2019, 487, 452-463.	6.1	58
150	Prediction of Strength and Ductility in Partially Recrystallized CoCrFeNiTi <sub>0.2</sub> High-Entropy Alloy. <i>Entropy</i> , 2019, 21, 389.	2.2	11
151	Dithiothreitol-assisted polysulfide reduction in the interlayer of lithium-sulfur batteries: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16435-16443.	2.8	7
152	Manufacturing of tungsten and tungsten composites for fusion application via different routes. <i>Tungsten</i> , 2019, 1, 80-90.	4.8	25
153	SERS-Based Pump-Free Microfluidic Chip for Highly Sensitive Immunoassay of Prostate-Specific Antigen Biomarkers. <i>ACS Sensors</i> , 2019, 4, 938-943.	7.8	86
154	Enhanced performance of perovskite solar cells by the incorporation of the luminescent small molecule DBP: perovskite absorption spectrum modification and interface engineering. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5686-5694.	5.5	28
155	Recent Progress in Solar-Blind Deep-Ultraviolet Photodetectors Based on Inorganic Ultrawide Bandgap Semiconductors. <i>Advanced Functional Materials</i> , 2019, 29, 1806006.	14.9	334
156	Z-scheme carbon-bridged Bi <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> nanotube arrays to boost photoelectrochemical detection performance. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 255-263.	20.2	85
157	Ultrawide-Bandgap Semiconductors: Recent Progress in Solar-Blind Deep-Ultraviolet Photodetectors Based on Inorganic Ultrawide Bandgap Semiconductors ( <i>Adv. Funct. Mater.</i> 9/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970057.	14.9	8
158	Direct imaging of the nitrogen-rich edge in monolayer hexagonal boron nitride and its band structure tuning. <i>Nanoscale</i> , 2019, 11, 20676-20684.	5.6	10
159	Hollow Au nanorattles for boosting the performance of organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26797-26803.	10.3	11
160	Carbon-Bridged g-C <sub>3</sub> N <sub>4</sub> Nanosheets for High Hydrogen Evolution Rate by a Two-Step Gaseous Treatment. <i>ChemistrySelect</i> , 2019, 4, 13064-13070.	1.5	6
161	SBA-15 Templated Mesoporous Graphitic C <sub>3</sub> N <sub>4</sub> for Remarkably Enhanced Photocatalytic Degradation of Organic Pollutants under Visible Light. <i>Nano</i> , 2019, 14, 1950136.	1.0	8
162	Enhanced Visible-Light Photocatalytic Degradation of Antibiotics by MoS <sub>2</sub> -Modified U-g-C <sub>3</sub> N <sub>4</sub> /T-g-C <sub>3</sub> N <sub>4</sub> Isotypic Heterojunction. <i>Nano</i> , 2019, 14, 1950111.	1.0	4

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163	Designed growth of WO <sub>3</sub> /PEDOT core/shell hybrid nanorod arrays with modulated electrochromic properties. <i>Chemical Engineering Journal</i> , 2019, 355, 942-951.	12.7	72
164	Three-Dimensional TiO <sub>2</sub> /Ag Nanopore Arrays for Powerful Photoinduced Enhanced Raman Spectroscopy (PIERS) and Versatile Detection of Toxic Organics. <i>ChemNanoMat</i> , 2019, 5, 55-60.	2.8	20
165	Selective bonding effect on microstructure and mechanical properties of (Al,N)-DLC composite films by ion beam-assisted cathode arc evaporation. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	9
166	Facile Construction of 3D Packing Porous Flower-Like NiCo <sub>2</sub> O <sub>4</sub> @NiMoO <sub>4</sub> /rGO Hybrids as High-Performance Supercapacitors with Large Areal Capacitance. <i>Energy Technology</i> , 2019, 7, 1800940.	3.8	12
167	Ni <sub>2</sub> P Nanoflake Array/Three Dimensional Graphene Architecture as Integrated Free-Standing Anode for Boosting the Sodiation Capability and Stability. <i>ChemElectroChem</i> , 2019, 6, 404-412.	3.4	33
168	Decorating Mn <sub>3</sub> O <sub>4</sub> nanoparticle on NiO nanoflake arrays for high-performance electrochemical biosensors. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 135-142.	2.5	7
169	Ultrafast, Self-Driven, and Air-Stable Photodetectors Based on Multilayer PtSe <sub>2</sub> /Perovskite Heterojunctions. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1185-1194.	4.6	159
170	Tunable Synthesis of Hierarchical Superparamagnetic Fe <sub>3</sub> O <sub>4</sub> Nanospheres by a Surfactant-Free Solvothermal Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 2959-2967.	1.8	3
171	Enhanced High-Temperature Cyclic Stability of Al-Doped Manganese Dioxide and Morphology Evolution Study Through in situ NMR under High Magnetic Field. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 9398-9406.	8.0	36
172	Study on preparation and properties of CeO <sub>2</sub> /epoxy resin composite coating on sintered NdFeB magnet. <i>Journal of Rare Earths</i> , 2018, 36, 544-551.	4.8	22
173	Anti-site defect effect on the electronic structure of a Bi <sub>2</sub> Te <sub>3</sub> topological insulator. <i>RSC Advances</i> , 2018, 8, 423-428.	3.6	42
174	Influence of Sc on microstructure and mechanical properties of Al-Si-Mg-Cu-Zr alloy. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	7
175	Synthesis of NiO/Fe <sub>2</sub> O <sub>3</sub> nanocomposites as substrate for the construction of electrochemical biosensors. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 1763-1770.	2.5	6
176	Thermal shock behavior of W-ZrC/Sc <sub>2</sub> O <sub>3</sub> composites under two different transient events by electron and laser irradiation. <i>Journal of Nuclear Materials</i> , 2018, 499, 248-255.	2.7	10
177	Repair behavior of He <sup>+</sup> -irradiated W-Y <sub>2</sub> O <sub>3</sub> composites after different temperature-isochronal annealing experiments. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2018, 415, 82-88.	1.4	29
178	Biomimetic synthesis of hierarchical 3D Ag butterfly wing scale arrays/graphene composites as ultrasensitive SERS substrates for efficient trace chemical detection. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1933-1943.	5.5	39
179	Synthesis of alloyed Zn <sub>1-x</sub> Mn <sub>x</sub> S nanowires with completely controlled compositions and tunable bandgaps. <i>RSC Advances</i> , 2018, 8, 374-379.	3.6	14
180	<i>in situ</i> growth of PEDOT/graphene oxide nanostructures with enhanced electrochromic performance. <i>RSC Advances</i> , 2018, 8, 13679-13685.	3.6	41

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181	In-situ construction of NiCo <sub>2</sub> O <sub>4</sub> nanoarrays on La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3-<math>\delta</math></sub> electrodes for intermediate temperature solid oxide fuel cells. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2367-2374.	2.5	0
182	Ni(OH) <sub>2</sub> /CNTs hierarchical spheres for a foldable all-solid-state supercapacitor with high specific energy. <i>Nanoscale</i> , 2018, 10, 7377-7381.	5.6	52
183	Effect of precipitates on properties of cold-rolled Al-Mg-Si-Ca-Zr alloy with higher temperature aging. <i>Materials Science and Technology</i> , 2018, 34, 1246-1251.	1.6	6
184	MOF-74 derived porous hybrid metal oxide hollow nanowires for high-performance electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8396-8404.	10.3	101
185	The effect of texture and grain size on improving the mechanical properties of Mg-Al-Zn alloys by friction stir processing. <i>Scientific Reports</i> , 2018, 8, 4196.	3.3	44
186	g-C <sub>3</sub> N <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> isotype heterojunction as an efficient platform for direct photodegradation of antibiotic. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 210-217.	2.1	32
187	Microstructure and mechanical properties of Al-Si-Mg-Cu-Ti alloy with trace amounts of scandium. <i>Materials Science and Technology</i> , 2018, 34, 1265-1274.	1.6	3
188	Study of elastic deformation on dimensional accuracy in ironing process of spur gear. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2018, 232, 513-524.	2.4	2
189	NiS and MoS <sub>2</sub> nanosheet co-modified graphitic C <sub>3</sub> N <sub>4</sub> ternary heterostructure for high efficient visible light photodegradation of antibiotic. <i>Journal of Hazardous Materials</i> , 2018, 341, 10-19.	12.4	179
190	Enhanced photocatalytic performances of ultrafine g-C <sub>3</sub> N <sub>4</sub> nanosheets obtained by gaseous stripping with wet nitrogen. <i>Applied Surface Science</i> , 2018, 427, 730-738.	6.1	47
191	CeO <sub>2</sub> /C/rGO nanocomposites derived from Ce-MOF and graphene oxide as a robust platform for highly sensitive uric acid detection. <i>Nanoscale</i> , 2018, 10, 1939-1945.	5.6	88
192	A novel spinning process for simultaneously producing two cone parts with big angle. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2018, 41, 547-556.	1.1	1
193	Effect of Silver Element on Microstructure and Properties of W-30Cu/TiC Composites. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018, 33, 1511-1515.	1.0	0
194	The influence of twinning on plastic constitutive description of a magnesium alloy. <i>International Journal of Materials Research</i> , 2018, 109, 1092-1098.	0.3	0
195	Preparation of V <sub>2</sub> O <sub>5</sub> dot-decorated WO <sub>3</sub> nanorod arrays for high performance multi-color electrochromic devices. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12206-12216.	5.5	31
196	Plasmonic 3D Semiconductor-Metal Nanopore Arrays for Reliable Surface-Enhanced Raman Scattering Detection and In-Site Catalytic Reaction Monitoring. <i>ACS Sensors</i> , 2018, 3, 2446-2454.	7.8	36
197	Ionic Electroactive Polymers Used in Bionic Robots: A Review. <i>Journal of Bionic Engineering</i> , 2018, 15, 765-782.	5.0	41
198	Controllable Synthesis of MoS <sub>2</sub> /h-CdS/c-CdS Nanocomposites with Enhanced Photocatalytic Hydrogen Evolution Under Visible Light Irradiation. <i>Catalysis Letters</i> , 2018, 148, 3445-3453.	2.6	7

#	ARTICLE	IF	CITATIONS
199	Mesoporous anodic $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> interferometer for organic vapor sensing application. RSC Advances, 2018, 8, 31121-31128.	3.6	10
200	Rationally Designed Graphene/Bilayer Silver/Cu Hybrid Structure with Improved Sensitivity and Stability for Highly Efficient SERS Sensing. ACS Omega, 2018, 3, 5761-5770.	3.5	11
201	Silicon/Perovskite Core-Shell Heterojunctions with Light-Trapping Effect for Sensitive Self-Driven Near-Infrared Photodetectors. ACS Applied Materials & Interfaces, 2018, 10, 27850-27857.	8.0	55
202	MOF-Derived Porous CeO <sub>2</sub> /C Nanorods and Their Applications in Uric Acid Biosensor. Nano, 2018, 13, 1850085.	1.0	13
203	In-situ synthesis of carbon-coated $\gamma$ -NiS nanocrystals for hydrogen evolution reaction in both acidic and alkaline solution. International Journal of Hydrogen Energy, 2018, 43, 16061-16067.	7.1	11
204	High-Performance Reversible Aqueous Zn-Ion Battery Based on Porous MnO <sub>x</sub> Nanorods Coated by MOF-Derived N-Doped Carbon. Advanced Energy Materials, 2018, 8, 1801445.	19.5	430
205	3D Coral-Like Ni <sub>3</sub> S <sub>2</sub> on Ni Foam as a Bifunctional Electrocatalyst for Overall Water Splitting. ACS Applied Materials & Interfaces, 2018, 10, 31330-31339.	8.0	80
206	Helium irradiation behavior of tungsten-niobium alloys under different ion energies. Fusion Engineering and Design, 2018, 132, 7-12.	1.9	7
207	Synthesis and supercapacitive performance of CuO/Cu <sub>2</sub> O nanosheet arrays modified by hydrothermal deposited NiOOH. Journal of Solid State Electrochemistry, 2017, 21, 1489-1497.	2.5	14
208	Effect of lattice matching degree and intermetallic compound on the properties of Mg/Al dissimilar material welded joints. Science and Technology of Welding and Joining, 2017, 22, 719-725.	3.1	11
209	Electrically and Sunlight-Driven Actuator with Versatile Biomimetic Motions Based on Rolled Carbon Nanotube Bilayer Composite. Advanced Functional Materials, 2017, 27, 1704388.	14.9	211
210	Cryo-mediated exfoliation and fracturing of layered materials into 2D quantum dots. Science Advances, 2017, 3, e1701500.	10.3	91
211	Growth of inter-metallic compound layers on CLAM steel by HDA and preparation of permeation barrier by oxidation. Fusion Engineering and Design, 2017, 125, 57-63.	1.9	11
212	Electrochemical hydrogenated TiO <sub>2</sub> nanotube arrays decorated with 3D cotton-like porous MnO <sub>2</sub> enables superior supercapacitive performance. RSC Advances, 2017, 7, 31512-31518.	3.6	6
213	TiO <sub>2</sub> nanotube arrays: a study on the surface electrochemical reactions during the photoelectrochemical process. Journal of Solid State Electrochemistry, 2017, 21, 987-993.	2.5	1
214	Supercapacitive performance of homogeneous Co <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> nanotube arrays enhanced by carbon layer and oxygen vacancies. Journal of Solid State Electrochemistry, 2017, 21, 1069-1078.	2.5	17
215	Graphitic carbon nitride nanosheets obtained by liquid stripping as efficient photocatalysts under visible light. RSC Advances, 2017, 7, 37185-37193.	3.6	68
216	Comparison of Hydrostatic Extrusion between Pressure-Load and Displacement-Load Models. Metals, 2017, 7, 78.	2.3	3

#	ARTICLE	IF	CITATIONS
217	One-step electrodeposition of Co <sub>0.12</sub> Ni <sub>1.88</sub> S <sub>2</sub> @Co <sub>8</sub> S <sub>9</sub> nanoparticles on highly conductive TiO <sub>2</sub> nanotube arrays for battery-type electrodes with enhanced energy storage performance. <i>Journal of Power Sources</i> , 2017, 364, 400-409.	7.8	17
218	Chemical Synthesis and Oxide Dispersion Properties of Strengthened Tungsten via Spark Plasma Sintering. <i>Materials</i> , 2016, 9, 879.	2.9	9
219	Photoelectrochemical detection performance and mechanism discussion of Bi <sub>2</sub> O <sub>3</sub> modified TiO <sub>2</sub> nanotube arrays. <i>RSC Advances</i> , 2016, 6, 61367-61377.	3.6	14
220	Microstructure and performance of rare earth element-strengthened plasma-facing tungsten material. <i>Scientific Reports</i> , 2016, 6, 32701.	3.3	22
221	Size-Controlled TiO <sub>2</sub> nanocrystals with exposed {001} and {101} facets strongly linking to graphene oxide via p-Phenylenediamine for efficient photocatalytic degradation of fulvic acids. <i>Journal of Hazardous Materials</i> , 2016, 314, 41-50.	12.4	35
222	Supercapacitive performance of electrochemically doped TiO <sub>2</sub> nanotube arrays decorated with Cu <sub>2</sub> O nanoparticles. <i>RSC Advances</i> , 2016, 6, 47669-47675.	3.6	14
223	Facile Synthesis of Fe <sub>3</sub> O <sub>4</sub> @ZnS Core-Shell Bifunctional Nanospheres with Superior Magnetic-Fluorescent Properties. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 2367-2371.	1.8	4
224	Effects of zirconium element on the microstructure and deuterium retention of Wâ€“Zr/Sc <sub>2</sub> O <sub>3</sub> composites. <i>Scientific Reports</i> , 2016, 6, 32678.	3.3	12
225	Fabrication and photocatalytic performances of BiOCl nanosheets modified with ultrafine Bi <sub>2</sub> O <sub>3</sub> nanocrystals. <i>RSC Advances</i> , 2016, 6, 63241-63249.	3.6	11
226	Ultrathin Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Nanosheets as Anode Materials for Lithium and Sodium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 16718-16726.	8.0	87
227	Integration of mesoporous nickel cobalt oxide nanosheets with ultrathin layer carbon wrapped TiO <sub>2</sub> nanotube arrays for high-performance supercapacitors. <i>New Journal of Chemistry</i> , 2016, 40, 6881-6889.	2.8	18
228	Hierarchical three-dimensional MnO <sub>2</sub> /carbon@TiO <sub>2</sub> nanotube arrays for high-performance supercapacitors. <i>RSC Advances</i> , 2016, 6, 63642-63651.	3.6	5
229	All solid supercapacitors based on an anion conducting polymer electrolyte. <i>RSC Advances</i> , 2016, 6, 19826-19832.	3.6	17
230	Synthesis of porous NiO/CeO <sub>2</sub> hybrid nanoflake arrays as a platform for electrochemical biosensing. <i>Nanoscale</i> , 2016, 8, 770-774.	5.6	41
231	Mechanical properties and microstructural change of Wâ€“Y <sub>2</sub> O <sub>3</sub> alloy under helium irradiation. <i>Scientific Reports</i> , 2015, 5, 12755.	3.3	83
232	A chromium oxide coated nickellyttria stabilized zirconia electrode with a heterojunction interface for use in electrochemical methane reforming. <i>RSC Advances</i> , 2015, 5, 47599-47608.	3.6	14
233	Organic Semiconductor gâ€“C <sub>3</sub> N <sub>4</sub> Modified TiO <sub>2</sub> Nanotube Arrays for Enhanced Photoelectrochemical Performance in Wastewater Treatment. <i>Energy Technology</i> , 2015, 3, 982-988.	3.8	37
234	Adsorption of low-concentration methylene blue onto a palygorskite/carbon composite. <i>New Carbon Materials</i> , 2015, 30, 71-78.	6.1	29

#	ARTICLE	IF	CITATIONS
235	A novel ultrasensitive phosphate amperometric nanobiosensor based on the integration of pyruvate oxidase with highly ordered gold nanowires array. <i>Biosensors and Bioelectronics</i> , 2015, 71, 278-285.	10.1	19
236	Squared-like BiOCl nanosheets synthesized by ethylene glycol-assisted solvothermal method and their photocatalytic performance. <i>Optoelectronics Letters</i> , 2015, 11, 5-9.	0.8	3
237	Activated carbon coated palygorskite as adsorbent by activation and its adsorption for methylene blue. <i>Journal of Environmental Sciences</i> , 2015, 33, 97-105.	6.1	56
238	A facile synthesis of mesoporous Co <sub>3</sub> O <sub>4</sub> /CeO <sub>2</sub> hybrid nanowire arrays for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10425-10431.	10.3	108
239	Tunable p-type doping of Si nanostructures for near infrared light photodetector application. <i>RSC Advances</i> , 2015, 5, 19020-19026.	3.6	9
240	Photoelectrochemical activity and its mechanism of mesoporous TiO <sub>2</sub> nanotube arrays prepared with chemical etching method. <i>New Journal of Chemistry</i> , 2015, 39, 9019-9027.	2.8	5
241	Controllable synthesis and capacitive performance of nitrogen-doped porous carbon from carboxymethyl chitosan by template carbonization method. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 3087-3096.	2.5	11
242	Anticorrosive property of Al coatings on sintered NdFeB substrates via plasma assisted physical vapor deposition method. <i>Surface and Coatings Technology</i> , 2015, 282, 86-93.	4.8	28
243	Composite Cathode based on Mn-doped Perovskite Niobate-Titanate for Efficient Steam Electrolysis. <i>Chinese Journal of Chemical Physics</i> , 2014, 27, 457-464.	1.3	2
244	Designed nitrogen doping of few-layer graphene functionalized by selective oxygenic groups. <i>Nanoscale Research Letters</i> , 2014, 9, 646.	5.7	76
245	Efficient carbon dioxide electrolysis based on ceria cathode loaded with metal catalysts. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 3415-3425.	2.5	11
246	Integration of a highly ordered gold nanowires array with glucose oxidase for ultra-sensitive glucose detection. <i>Analytica Chimica Acta</i> , 2014, 809, 134-140.	5.4	37
247	Adsorption and photocatalysis removal of fulvic acid by TiO <sub>2</sub> @graphene composites. <i>Journal of Materials Science</i> , 2014, 49, 1066-1075.	3.7	45
248	Improved Visible Light Photocatalytic Activity of CdSe Modified TiO <sub>2</sub> Nanotube Arrays with Different Intertube Spaces. <i>Catalysis Letters</i> , 2014, 144, 553-560.	2.6	14
249	Graphene nanocluster decorated niobium oxide nanofibers for visible light photocatalytic applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8190.	10.3	27
250	Composite titanate cathode decorated with heterogeneous electrocatalytic sites towards efficient carbon dioxide electrolysis. <i>RSC Advances</i> , 2014, 4, 22697-22709.	3.6	22
251	Demonstration of efficient electrochemical biogas reforming in a solid oxide electrolyser with titanate cathode. <i>RSC Advances</i> , 2014, 4, 38474-38483.	3.6	11
252	Remarkable chemical adsorption of manganese-doped titanate for direct carbon dioxide electrolysis. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6904-6915.	10.3	137

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253	Facile and environment friendly synthesis of hierarchical BiOCl flowery microspheres with remarkable photocatalytic properties. <i>Science Bulletin</i> , 2014, 59, 802-809.	1.7	12
254	An effective amperometric biosensor based on graphene modified gold nanowire arrays for glucose detection. <i>Science Bulletin</i> , 2014, 59, 2012-2016.	1.7	2
255	Composite titanate cathode enhanced with in situ grown nickel nanocatalyst for direct steam electrolysis. <i>New Journal of Chemistry</i> , 2014, 38, 3434.	2.8	22
256	Single-phase nickel-doped ceria cathode with in situ grown nickel nanocatalyst for direct high-temperature carbon dioxide electrolysis. <i>RSC Advances</i> , 2014, 4, 40494-40504.	3.6	26
257	Photocatalytic properties of Bi/BiOCl heterojunctions synthesized using an in situ reduction method. <i>New Journal of Chemistry</i> , 2014, 38, 4913-4921.	2.8	74
258	Glucose biosensors based on Ag nanoparticles modified TiO <sub>2</sub> nanotube arrays. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 163-171.	2.5	35
259	Core-Shell Heterojunction of Silicon Nanowire Arrays and Carbon Quantum Dots for Photovoltaic Devices and Self-Driven Photodetectors. <i>ACS Nano</i> , 2014, 8, 4015-4022.	14.6	258
260	Microstructure and tribological properties of laser clad Ni-Ag/TiC composite coating. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014, 29, 242-245.	1.0	5
261	Quantitative SERS detection of low-concentration aromatic polychlorinated biphenyl-77 and 2,4,6-trinitrotoluene. <i>Journal of Hazardous Materials</i> , 2014, 280, 706-712.	12.4	44
262	In situ Growth of Ni <sub>x</sub> Cu <sub>1-x</sub> Alloy Nanocatalysts on Redox-reversible Rutile (Nb,Ti)O <sub>4</sub> Towards High-Temperature Carbon Dioxide Electrolysis. <i>Scientific Reports</i> , 2014, 4, 5156.	3.3	44
263	In situ formation of oxygen vacancy in perovskite Sr <sub>0.95</sub> Ti <sub>0.8</sub> Nb <sub>0.1</sub> M <sub>0.1</sub> O <sub>3</sub> (M = Mn, Cr) toward efficient carbon dioxide electrolysis. <i>Scientific Reports</i> , 2014, 4, 7082.	3.3	32
264	Pt nanoparticles modified Au nanowire array for amperometric and potentiometric detection of glucose. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2381-2389.	2.5	8
265	Maximizing surface-enhanced Raman scattering sensitivity of surfactant-free Ag-Fe <sub>3</sub> O <sub>4</sub> nanocomposites through optimization of silver nanoparticle density and magnetic self-assembly. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	37
266	MICROSTRUCTURE AND PROPERTIES OF SiC PARTICLES REINFORCED COPPER BASED ALLOY COMPOSITE. <i>Modern Physics Letters B</i> , 2013, 27, 1341025.	1.9	4
267	High-performance fuel electrodes based on NbTi <sub>0.5</sub> M <sub>0.5</sub> O <sub>4</sub> (M = Ni, Cu) with reversible exsolution of the nano-catalyst for steam electrolysis. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8984.	10.3	54
268	Intrinsic Peroxidase Catalytic Activity of Fe <sub>7</sub> S <sub>8</sub> Nanowires Templated from [Fe <sub>16</sub> S <sub>20</sub> ]/Diethylenetriamine Hybrid Nanowires. <i>ChemPlusChem</i> , 2013, 78, 723-727.	2.8	30
269	Perovskite Chromates Cathode with Exsolved Iron Nanoparticles for Direct High-Temperature Steam Electrolysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 8553-8562.	8.0	49
270	PREPARATION OF ULTRAFINE W-Cu COMPOSITE POWDER USING ULTRASONIC-ASSISTED ELECTROLESS PLATING. <i>Modern Physics Letters B</i> , 2013, 27, 1341004.	1.9	1



#	ARTICLE	IF	CITATIONS
271	STUDY ON FRICTION AND WEAR PROPERTIES OF SILVER MATRIX BRUSH MATERIAL WITH DIFFERENT ADDITIVES. <i>Modern Physics Letters B</i> , 2013, 27, 1341037.	1.9	0
272	Clean and reproducible SERS substrates for high sensitive detection by solid phase synthesis and fabrication of Ag-coated Fe <sub>3</sub> O <sub>4</sub> microspheres. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 848-856.	2.5	65
273	Formation and photocatalytic properties of bismuth ferrite submicrocrystals with tunable morphologies. <i>New Journal of Chemistry</i> , 2011, 35, 937.	2.8	46
274	Silver nanoparticles and silver molybdate nanowires complex for surface-enhanced Raman scattering substrate. <i>Frontiers of Optoelectronics in China</i> , 2011, 4, 166-170.	0.2	1
275	Application of Diaminium Iodides in Binary Ionic Liquid Electrolytes for Dye-Sensitized Solar Cells. <i>International Journal of Photoenergy</i> , 2011, 2011, 1-5.	2.5	2
276	Diameter-Controllable Magnetic Properties of Co Nanowire Arrays by Pulsed Electrodeposition. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-4.	2.7	7
277	RESEARCH STATUS OF SURFACE MODIFICATION OF TITANIUM-BASED ALLOYS BY PACK CEMENTATION. <i>Surface Review and Letters</i> , 0, , .	1.1	1
278	Preparation Method and Magnetic Properties of Large-Size Bulk (Nd, Dy)FeB Magnets Obtained via Dy Diffusion Treatment During Sintering Process. <i>Journal of Superconductivity and Novel Magnetism</i> , 0, , 1.	1.8	2
279	Effect of Titanium Addition on the Neutral Corrosion Resistance of Welding Overlay. <i>Journal of Materials Engineering and Performance</i> , 0, , 1.	2.5	0
280	Porous Copper Foam-based Plasmonic Nanocrystals Modified Three-dimensional Semiconductor Nanoflowers for Multifold, Recyclable and Portable Detection of Environmental Contaminant. <i>Particle and Particle Systems Characterization</i> , 0, , 2200072.	2.3	1