

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
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281
all docs

281
docs citations

281
times ranked

10850
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Performance Reversible Aqueous Zn-Ion Battery Based on Porous MnO _x Nanorods Coated by MOF-Derived N-Doped Carbon. <i>Advanced Energy Materials</i> , 2018, 8, 1801445.	19.5	430
2	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
3	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
4	Rational Design of Nanostructured Electrode Materials toward Multifunctional Supercapacitors. <i>Advanced Functional Materials</i> , 2020, 30, 1902564.	14.9	252
5	Electrically and Sunlight-Driven Actuator with Versatile Biomimetic Motions Based on Rolled Carbon Nanotube Bilayer Composite. <i>Advanced Functional Materials</i> , 2017, 27, 1704388.	14.9	211
6	NiS and MoS ₂ nanosheet co-modified graphitic C ₃ N ₄ ternary heterostructure for high efficient visible light photodegradation of antibiotic. <i>Journal of Hazardous Materials</i> , 2018, 341, 10-19.	12.4	179
7	Ultrafast, Self-Driven, and Air-Stable Photodetectors Based on Multilayer PtSe ₂ /Perovskite Heterojunctions. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1185-1194.	4.6	159
8	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
9	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
10	Self-Doping Surface Oxygen Vacancy-Induced Lattice Strains for Enhancing Visible Light-Driven Photocatalytic H ₂ Evolution over Black TiO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18758-18771.	8.0	127
11	Oxygen vacancy self-doped black TiO ₂ nanotube arrays by aluminothermic reduction for photocatalytic CO ₂ reduction under visible light illumination. <i>Journal of CO₂ Utilization</i> , 2020, 35, 205-215.	6.8	116
12	A facile synthesis of mesoporous Co ₃ O ₄ /CeO ₂ hybrid nanowire arrays for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10425-10431.	10.3	108
13	Self-Loomotive Soft Actuator Based on Asymmetric Microstructural Ti ₃ C ₂ T _x MXene Film Driven by Natural Sunlight Fluctuation. <i>ACS Nano</i> , 2021, 15, 5294-5306.	14.6	103
14	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
15	An Autonomous Soft Actuator with Light-Driven Self-Sustained Wavelike Oscillation for Phototactic Self-Loemotion and Power Generation. <i>Advanced Functional Materials</i> , 2020, 30, 1908842.	14.9	100
16	A solvent-assisted ligand exchange approach enables metal-organic frameworks with diverse and complex architectures. <i>Nature Communications</i> , 2020, 11, 927.	12.8	93
17	Cryo-mediated exfoliation and fracturing of layered materials into 2D quantum dots. <i>Science Advances</i> , 2017, 3, e1701500.	10.3	91
18	Electronic Structure Tuning of 2D Metal (Hydr)oxides Nanosheets for Electrocatalysis. <i>Small</i> , 2021, 17, e2002240.	10.0	90

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19	CeO ₂ /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
20	Ultrathin Li ₄ Ti ₅ O ₁₂ Nanosheets as Anode Materials for Lithium and Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16718-16726.	8.0	87
21	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
22	Z-scheme carbon-bridged Bi ₂ O ₃ /TiO ₂ nanotube arrays to boost photoelectrochemical detection performance. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 255-263.	20.2	85
23	Mechanical properties and microstructural change of W-Y ₂ O ₃ alloy under helium irradiation. <i>Scientific Reports</i> , 2015, 5, 12755.	3.3	83
24	Light-Driven Self-Oscillating Actuators with Phototactic Locomotion Based on Black Phosphorus Heterostructure. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20511-20517.	13.8	82
25	3D Coral-Like Ni ₃ S ₂ on Ni Foam as a Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31330-31339.	8.0	80
26	Designed nitrogen doping of few-layer graphene functionalized by selective oxygenic groups. <i>Nanoscale Research Letters</i> , 2014, 9, 646.	5.7	76
27	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
28	Designed growth of WO ₃ /PEDOT core/shell hybrid nanorod arrays with modulated electrochromic properties. <i>Chemical Engineering Journal</i> , 2019, 355, 942-951.	12.7	72
29	A C@TiO ₂ shell heterostructure for synchronous photothermal photocatalytic degradation of organic pollutants. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1025-1040.	5.5	71
30	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
31	Graphitic carbon nitride nanosheets obtained by liquid stripping as efficient photocatalysts under visible light. <i>RSC Advances</i> , 2017, 7, 37185-37193.	3.6	68
32	Clean and reproducible SERS substrates for high sensitive detection by solid phase synthesis and fabrication of Ag-coated Fe ₃ O ₄ microspheres. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 848-856.	2.5	65
33	Sulfur-deficient MoS _{2-x} promoted lithium polysulfides conversion in lithium-sulfur battery: A first-principles study. <i>Applied Surface Science</i> , 2019, 487, 452-463.	6.1	58
34	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
35	Silicon/Perovskite Core-Shell Heterojunctions with Light-Trapping Effect for Sensitive Self-Driven Near-Infrared Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27850-27857.	8.0	55
36	High-performance fuel electrodes based on NbTi _{0.5} Mo _{0.5} O ₄ (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

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37	Stability of Perovskite Light Sources: Status and Challenges. <i>Advanced Optical Materials</i> , 2020, 8, 1902012.	7.3	54
38	Local nanostructures enhanced the thermoelectric performance of n-type PbTe. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18458-18467.	10.3	53
39	Ni(OH) ₂ /CNTs hierarchical spheres for a foldable all-solid-state supercapacitor with high specific energy. <i>Nanoscale</i> , 2018, 10, 7377-7381.	5.6	52
40	Grain Boundary-Derived Cu ⁺ /Cu ⁰ Interfaces in CuO Nanosheets for Low Overpotential Carbon Dioxide Electroreduction to Ethylene. <i>Advanced Science</i> , 2022, 9, .	11.2	51
41	Inorganic CsBi ₃ I ₁₀ 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
42	Water-Soluble Defect-Rich MoS ₂ Ultrathin Nanosheets for Enhanced Hydrogen Evolution. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3282-3289.	4.6	50
43	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
44	Perovskite Chromates Cathode with Exsolved Iron Nanoparticles for Direct High-Temperature Steam Electrolysis. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 8553-8562.	8.0	49
45	Assembling of Bi atoms on TiO ₂ nanorods boosts photoelectrochemical water splitting of semiconductors. <i>Nanoscale</i> , 2020, 12, 4302-4308.	5.6	49
46	Enhanced photocatalytic performances of ultrafine g-C ₃ N ₄ nanosheets obtained by gaseous stripping with wet nitrogen. <i>Applied Surface Science</i> , 2018, 427, 730-738.	6.1	47
47	Formation and photocatalytic properties of bismuth ferrite submicrocrystals with tunable morphologies. <i>New Journal of Chemistry</i> , 2011, 35, 937.	2.8	46
48	Rational Design of Oxygen Deficiency-Controlled Tungsten Oxide Electrochromic Films with an Exceptional Memory Effect. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32658-32665.	8.0	46
49	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
50	Adsorption and photocatalysis removal of fulvic acid by TiO ₂ -graphene composites. <i>Journal of Materials Science</i> , 2014, 49, 1066-1075.	3.7	45
51	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
52	In situ Growth of Ni _x Cu _{1-x} Alloy Nanocatalysts on Redox-reversible Rutile (Nb,Ti)O ₄ Towards High-Temperature Carbon Dioxide Electrolysis. <i>Scientific Reports</i> , 2014, 4, 5156.	3.3	44
53	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
54	Anti-site defect effect on the electronic structure of a Bi ₂ Te ₃ topological insulator. <i>RSC Advances</i> , 2018, 8, 423-428.	3.6	42

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55	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
56	Synthesis of porous NiO/CeO ₂ hybrid nanoflake arrays as a platform for electrochemical biosensing. <i>Nanoscale</i> , 2016, 8, 770-774.	5.6	41
57	<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
58	Ionic Electroactive Polymers Used in Bionic Robots: A Review. <i>Journal of Bionic Engineering</i> , 2018, 15, 765-782.	5.0	41
59	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
60	Recent advances in black phosphorus/carbon hybrid composites: from improved stability to applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4647-4676.	10.3	39
61	Assembling reduced graphene oxide with sulfur/nitrogen- α for electrochemical determination of Hg(II). <i>Analytica Chimica Acta</i> , 2020, 1100, 31-39.	5.4	38
62	MoS ₂ 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
63	Maximizing surface-enhanced Raman scattering sensitivity of surfactant-free Ag-Fe ₃ O ₄ nanocomposites through optimization of silver nanoparticle density and magnetic self-assembly. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	37
64	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
65	Organic Semiconductor g-C ₃ N ₄ Modified TiO ₂ Nanotube Arrays for Enhanced Photoelectrochemical Performance in Wastewater Treatment. <i>Energy Technology</i> , 2015, 3, 982-988.	3.8	37
66	3D carbon coated NiCo ₂ S ₄ 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
67	Multifunctional Soft Actuators Based on Anisotropic Paper/Polymer Bilayer Toward Bioinspired Applications. <i>Advanced Materials Technologies</i> , 2019, 4, 1800674.	5.8	37
68	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 & Interfaces</i> , 2018, 10, 9398-9406.	8.0	36
69	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
70	PGM-Free Fe/N/C and Ultralow Loading Pt/C Hybrid Cathode Catalysts with Enhanced Stability and Activity in PEM Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13739-13749.	8.0	36
71	Glucose biosensors based on Ag nanoparticles modified TiO ₂ nanotube arrays. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 163-171.	2.5	35
72	Size-Controlled TiO ₂ 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

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73	A multifunctional separator based on scandium oxide nanocrystal decorated carbon nanotubes for high performance lithium-sulfur batteries. <i>Nanoscale</i> , 2020, 12, 6832-6843.	5.6	34
74	Highly Efficient Photoelectrochemical Synthesis of Ammonia Using Plasmon-Enhanced Black Silicon under Ambient Conditions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20376-20382.	8.0	34
75	Single-crystalline lead halide perovskite wafers for high performance photodetectors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8357-8363.	5.5	33
76	Ni ₂ 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
77	In situ formation of oxygen vacancy in perovskite Sr _{0.95} Ti _{0.8} Nb _{0.1} M _{0.1} O ₃ (M = Mn, Cr) toward efficient carbon dioxide electrolysis. <i>Scientific Reports</i> , 2014, 4, 7082.	3.3	32
78	g-C ₃ N ₄ /g-C ₃ N ₄ 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
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	PoisonRec: An Adaptive Data Poisoning Framework for Attacking Black-box Recommender Systems. , 2020, , .		32
81	New insights into the key bifunctional role of sulfur in Fe-N-C single-atom catalysts for ORR/OER. <i>Nanoscale</i> , 2022, 14, 3212-3223.	5.6	32
82	Preparation of V ₂ O ₅ dot-decorated WO ₃ nanorod arrays for high performance multi-color electrochromic devices. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12206-12216.	5.5	31
83	Hierarchical NiCo ₂ O ₄ /MnO ₂ core-shell nanosheets arrays for flexible asymmetric supercapacitor. <i>Journal of Materials Science</i> , 2020, 55, 688-700.	3.7	31
84	Intrinsic Peroxidase Catalytic Activity of Fe ₇ S ₈ Nanowires Templated from [Fe ₁₆ S ₂₀]/Diethylenetriamine Hybrid Nanowires. <i>ChemPlusChem</i> , 2013, 78, 723-727.	2.8	30
85	Adsorption of low-concentration methylene blue onto a palygorskite/carbon composite. <i>New Carbon Materials</i> , 2015, 30, 71-78.	6.1	29
86	Repair behavior of He ⁺ -irradiated W-Y ₂ O ₃ composites after different temperature-isochronal annealing experiments. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018, 415, 82-88.	1.4	29
87	In situ growth of a 2D/3D mixed perovskite interface layer by seed-mediated and solvent-assisted Ostwald ripening for stable and efficient photovoltaics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2425-2435.	5.5	29
88	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
89	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
90	Theoretical Insights into the Favorable Functionalized Ti ₂ C-Based MXenes for Lithium-Sulfur Batteries. <i>ACS Omega</i> , 2020, 5, 29272-29283.	3.5	28

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91	Graphene nanocluster decorated niobium oxide nanofibers for visible light photocatalytic applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8190.	10.3	27
92	Tailoring strength and ductility of high-entropy CrMnFeCoNi alloy by adding Al. <i>Rare Metals</i> , 2022, 41, 1015-1021.	7.1	27
93	Mechanistic Insights into the Chemo- and Regio-Selective B(C ₆ F ₅) ₃ Catalyzed C-H Functionalization of Phenols with Diazoesters. <i>Journal of Organic Chemistry</i> , 2019, 84, 14508-14519.	3.2	27
94	Ni-Co coordination hollow spheres for high performance flexible all-solid-state supercapacitor. <i>Electrochimica Acta</i> , 2020, 337, 135828.	5.2	27
95	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
96	Mesoporous g-C ₃ N ₄ /I ² -CD nanocomposites modified glassy carbon electrode for electrochemical determination of 2,4,6-trinitrotoluene. <i>Talanta</i> , 2020, 208, 120410.	5.5	26
97	Carbon-Coated Self-Assembled Ultrathin T-Nb ₂ O ₅ Nanosheets for High-Rate Lithium-Ion Storage with Superior Cycling Stability. <i>ACS Applied Energy Materials</i> , 2020, 3, 12037-12045.	5.1	26
98	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
99	Manufacturing of tungsten and tungsten composites for fusion application via different routes. <i>Tungsten</i> , 2019, 1, 80-90.	4.8	25
100	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
101	Broadband Plasmonic Enhancement of High-Efficiency Dye-Sensitized Solar Cells by Incorporating Au@Ag@SiO ₂ Core-Shell Nanocuboids. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 538-545.	8.0	24
102	Low-Strain Reticular Sodium Manganese Oxide as an Ultrastable Cathode for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 14174-14184.	8.0	24
103	Layer-by-Layer Assembly of CeO ₂ @C-rGO Nanocomposites and CNTs as a Multifunctional Separator Coating for Highly Stable Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18634-18645.	8.0	24
104	Composite titanate cathode decorated with heterogeneous electrocatalytic sites towards efficient carbon dioxide electrolysis. <i>RSC Advances</i> , 2014, 4, 22697-22709.	3.6	22
105	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
106	Microstructure and performance of rare earth element-strengthened plasma-facing tungsten material. <i>Scientific Reports</i> , 2016, 6, 32701.	3.3	22
107	Study on preparation and properties of CeO ₂ /epoxy resin composite coating on sintered NdFeB magnet. <i>Journal of Rare Earths</i> , 2018, 36, 544-551.	4.8	22
108	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

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109	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
110	Microstructure Stability and Its Influence on the Mechanical Properties of CrMnFeCoNiAl _{0.25} High Entropy Alloy. <i>Metals and Materials International</i> , 2020, 26, 1192-1199.	3.4	22
111	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
112	Theoretical prediction of B/Al-doped black phosphorus as potential cathode material in lithium-sulfur batteries. <i>Applied Surface Science</i> , 2020, 512, 145639.	6.1	22
113	The influences of graphene oxide (GO) and plasmonic Ag nanoparticles modification on the SERS sensing performance of TiO ₂ nanosheet arrays. <i>Journal of Alloys and Compounds</i> , 2021, 864, 158189.	5.5	22
114	Zn-Co Sulfide Microflowers Anchored on Three-Dimensional Graphene: A High-Capacitance and Long-Cycle-Life Electrode for Asymmetric Supercapacitors. <i>Chemistry - A European Journal</i> , 2020, 26, 650-658.	3.3	21
115	An amorphous MoS _x modified g-C ₃ N ₄ composite for efficient photocatalytic hydrogen evolution under visible light. <i>RSC Advances</i> , 2019, 9, 15900-15909.	3.6	20
116	Three-Dimensional TiO ₂ /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
117	Z-scheme Flower-Like SnO ₂ /g-C ₃ N ₄ Composite with Sn ²⁺ Active Center for Enhanced Visible-Light Photocatalytic Activity. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100087.	5.3	20
118	Progress of low-frequency sound absorption research utilizing intelligent materials and acoustic metamaterials. <i>RSC Advances</i> , 2021, 11, 37784-37800.	3.6	20
119	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
120	Plasmonic nanoprism enhanced quasi-2D Ruddlesden-Popper layered perovskite photodetectors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1110-1117.	5.5	19
121	Strengthening of an Al _{0.45} CoCrFeNi high-entropy alloy via in situ fabricated duplex-structured composites. <i>Journal of Materials Science</i> , 2020, 55, 7894-7909.	3.7	19
122	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
123	Advances in engineering perovskite oxides for photochemical and photoelectrochemical water splitting. <i>Applied Physics Reviews</i> , 2021, 8, .	11.3	19
124	ZIF-8 derived TiO ₂ /ZnO heterostructure decorated with AgNPs as SERS sensor for sensitive identification of trace pesticides. <i>Journal of Alloys and Compounds</i> , 2022, 901, 163675.	5.5	19
125	Al doped Ni-Co layered double hydroxides with surface-sulphuration for highly stable flexible supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2022, 615, 173-183.	9.4	19
126	Integration of mesoporous nickel cobalt oxide nanosheets with ultrathin layer carbon wrapped TiO ₂ nanotube arrays for high-performance supercapacitors. <i>New Journal of Chemistry</i> , 2016, 40, 6881-6889.	2.8	18

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127	Synthesis of Ni _x MoS ₃ N ₄ for Photocatalytic Hydrogen Evolution under Visible Light. <i>ChemCatChem</i> , 2020, 12, 911-916.	3.7	18
128	Confinement of Intermediates in Blue TiO ₂ Nanotube Arrays Boosts Reaction Rate of Nitrogen Electrocatalysis. <i>ChemCatChem</i> , 2020, 12, 2760-2767.	3.7	18
129	Successive strain hardening mechanisms induced by transformation induced plasticity in Fe ₆₀ Mn ₂₀ Co ₁₀ Cr ₁₀ high entropy alloys. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	18
130	All solid supercapacitors based on an anion conducting polymer electrolyte. <i>RSC Advances</i> , 2016, 6, 19826-19832.	3.6	17
131	Supercapacitive performance of homogeneous Co ₃ O ₄ /TiO ₂ nanotube arrays enhanced by carbon layer and oxygen vacancies. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1069-1078.	2.5	17
132	MoS _x 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
133	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
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271	In-situ construction of NiCo ₂ O ₄ nanoarrays on La _{0.8} Sr _{0.2} MnO _{3-δ} electrodes for intermediate temperature solid oxide fuel cells. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2367-2374.	2.5	0
272	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
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274	Preface to the special issue: applications of tungsten materials. <i>Tungsten</i> , 2019, 1, 185-186.	4.8	0
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280	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