Yucheng Wu

List of Publications by Year in descending order

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155 papers	6,944 citations	38742 50 h-index	76900 74 g-index
155 all docs	155 docs citations	155 times ranked	9385 citing authors

#	Article	IF	Citations
1	Rational Design of Nanostructured Electrode Materials toward Multifunctional Supercapacitors. Advanced Functional Materials, 2020, 30, 1902564.	14.9	252
2	Electrically and Sunlightâ€Driven Actuator with Versatile Biomimetic Motions Based on Rolled Carbon Nanotube Bilayer Composite. Advanced Functional Materials, 2017, 27, 1704388.	14.9	211
3	Hydrothermal synthesis of layered molybdenum sulfide/N-doped graphene hybrid with enhanced supercapacitor performance. Carbon, 2016, 99, 35-42.	10.3	183
4	NiS and MoS2 nanosheet co-modified graphitic C3N4 ternary heterostructure for high efficient visible light photodegradation of antibiotic. Journal of Hazardous Materials, 2018, 341, 10-19.	12.4	179
5	pH is the primary determinant of the bacterial community structure in agricultural soils impacted by polycyclic aromatic hydrocarbon pollution. Scientific Reports, 2017, 7, 40093.	3.3	144
6	Remarkable chemical adsorption of manganese-doped titanate for direct carbon dioxide electrolysis. Journal of Materials Chemistry A, 2014, 2, 6904-6915.	10.3	137
7	Coordination derived stable Niâ€“Co MOFs for foldable all-solid-state supercapacitors with high specific energy. Journal of Materials Chemistry A, 2019, 7, 4998-5008.	10.3	133
8	Longâ€Term Field Fertilization Significantly Alters Community Structure of Ammoniaâ€Oxidizing Bacteria rather than Archaea in a Paddy Soil. Soil Science Society of America Journal, 2011, 75, 1431-1439.	2.2	121
9	Potential role of polycyclic aromatic hydrocarbons (PAHs) oxidation by fungal laccase in the remediation of an aged contaminated soil. Soil Biology and Biochemistry, 2008, 40, 789-796.	8.8	116
10	A facile synthesis of mesoporous Co₃O₄/CeO₂ hybrid nanowire arrays for high performance supercapacitors. Journal of Materials Chemistry A, 2015, 3, 10425-10431.	10.3	108
11	Controllable synthesis of graphitic C₃N₄/ultrathin MoS₂ nanosheet hybrid nanostructures with enhanced photocatalytic performance. Dalton Transactions, 2016, 45, 15406-15414.	3.3	104
12	Self-Locomotive Soft Actuator Based on Asymmetric Microstructural Ti₃C₂T_x MXene Film Driven by Natural Sunlight Fluctuation. ACS Nano, 2021, 15, 5294-5306.	14.6	103
13	MOF-74 derived porous hybrid metal oxide hollow nanowires for high-performance electrochemical energy storage. Journal of Materials Chemistry A, 2018, 6, 8396-8404.	10.3	101
14	An Autonomous Soft Actuator with Lightâ€Driven Selfâ€Sustained Wavelike Oscillation for Phototactic Selfâ€Locomotion and Power Generation. Advanced Functional Materials, 2020, 30, 1908842.	14.9	100
15	Precipitation and its strengthening of Cu-rich phase in CrMnFeCoNiCux high-entropy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 713, 134-140.	5.6	99
16	Bioremediation of polycyclic aromatic hydrocarbons contaminated soil with Monilinia sp.: degradation and microbial community analysis. Biodegradation, 2008, 19, 247-257.	3.0	92
17	One-step signal amplified lateral flow strip biosensor for ultrasensitive and on-site detection of bisphenol A (BPA) in aqueous samples. Biosensors and Bioelectronics, 2013, 49, 457-461.	10.1	92
18	Cryo-mediated exfoliation and fracturing of layered materials into 2D quantum dots. Science Advances, 2017, 3, e1701500.	10.3	91

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19	CeO_{2â^'x}/C/rGO nanocomposites derived from Ce-MOF and graphene oxide as a robust platform for highly sensitive uric acid detection. Nanoscale, 2018, 10, 1939-1945.	5.6	88
20	Self-recovery in Li-metal hybrid lithium-ion batteries via WO₃ reduction. Nanoscale, 2018, 10, 15956-15966.	5.6	87
21	Z-scheme carbon-bridged Bi2O3/TiO2 nanotube arrays to boost photoelectrochemical detection performance. Applied Catalysis B: Environmental, 2019, 248, 255-263.	20.2	85
22	Nitrogen doped TiO2 nanotube arrays with high photoelectrochemical activity for photocatalytic applications. Applied Surface Science, 2013, 280, 523-529.	6.1	82
23	Lightâ€Driven Selfâ€Oscillating Actuators with Phototactic Locomotion Based on Black Phosphorus Heterostructure. Angewandte Chemie - International Edition, 2021, 60, 20511-20517.	13.8	82
24	Profiling bacterial diversity in a limestone cave of the western Loess Plateau of China. Frontiers in Microbiology, 2015, 6, 244.	3.5	80
25	3D Coral-Like Ni₃S₂ on Ni Foam as a Bifunctional Electrocatalyst for Overall Water Splitting. ACS Applied Materials & Interfaces, 2018, 10, 31330-31339.	8.0	80
26	Heterogeneity of archaeal and bacterial ammoniaâ€oxidizing communities in Lake Taihu, China. Environmental Microbiology Reports, 2010, 2, 569-576.	2.4	77
27	Photocatalytic properties of Bi/BiOCl heterojunctions synthesized using an in situ reduction method. New Journal of Chemistry, 2014, 38, 4913-4921.	2.8	74
28	Oxidation of polycyclic aromatic hydrocarbons using Bacillus subtilis CotA with high laccase activity and copper independence. Chemosphere, 2016, 148, 1-7.	8.2	74
29	N, S co-doped-TiO2/fly ash beads composite material and visible light photocatalytic activity. Applied Surface Science, 2013, 284, 229-234.	6.1	73
30	Autotrophic Growth of Bacterial and Archaeal Ammonia Oxidizers in Freshwater Sediment Microcosms Incubated at Different Temperatures. Applied and Environmental Microbiology, 2013, 79, 3076-3084.	3.1	73
31	Degradation of Polycyclic Aromatic Hydrocarbons by Crude Extracts from Spent Mushroom Substrate and its Possible Mechanisms. Current Microbiology, 2010, 60, 336-342.	2.2	69
32	Porous HKUST-1 derived CuO/Cu2O shell wrapped Cu(OH)2 derived CuO/Cu2O core nanowire arrays for electrochemical nonenzymatic glucose sensors with ultrahigh sensitivity. Applied Surface Science, 2018, 439, 11-17.	6.1	69
33	High rate capability electrode constructed by anchoring CuCo2S4 on graphene aerogel skeleton toward quasi-solid-state supercapacitor. Electrochimica Acta, 2019, 298, 321-329.	5.2	68
34	Clean and reproducible SERS substrates for high sensitive detection by solid phase synthesis and fabrication of Agâ€coated Fe₃O₄ microspheres. Journal of Raman Spectroscopy, 2012, 43, 848-856.	2.5	65
35	Ultrasensitive detection of mercury with a novel one-step signal amplified lateral flow strip based on gold nanoparticle-labeled ssDNA recognition and enhancement probes. Biosensors and Bioelectronics, 2014, 61, 14-20.	10.1	65
36	Pressureless infiltration of liquid aluminum alloy into SiC preforms to form near-net-shape SiC/Al composites. Journal of Alloys and Compounds, 2008, 465, 239-243.	5.5	62

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37	Single-Crystalline Anatase TiO₂ Dous Assembled Micro-Sphere and Their Photocatalytic Activity. Crystal Growth and Design, 2009, 9, 2324-2328.	3.0	61
38	A high-entropy V 35 Ti 35 Fe 15 Cr 10 Zr 5 alloy with excellent high-temperature strength. Materials and Design, 2017, 121, 229-236.	7.0	61
39	Dissipation of polycyclic aromatic hydrocarbons (PAHs) in soil microcosms amended with mushroom cultivation substrate. Soil Biology and Biochemistry, 2012, 47, 191-197.	8.8	59
40	Enhanced thermal conductive 3D-SiC/Al-Si-Mg interpenetrating composites fabricated by pressureless infiltration. Ceramics International, 2017, 43, 1755-1761.	4.8	59
41	Synthesis of clay/carbon adsorbent through hydrothermal carbonization of cellulose on palygorskite. Applied Clay Science, 2014, 95, 60-66.	5.2	58
42	Systematic study on hybrid supercapacitor of Ni-Co layered double hydroxide//activated carbons. Electrochimica Acta, 2019, 305, 403-415.	5.2	58
43	Activated carbon coated palygorskite as adsorbent by activation and its adsorption for methylene blue. Journal of Environmental Sciences, 2015, 33, 97-105.	6.1	56
44	High-performance fuel electrodes based on NbTi0.5M0.5O4 (M = Ni, Cu) with reversible exsolution of the nano-catalyst for steam electrolysis. Journal of Materials Chemistry A, 2013, 1, 8984.	10.3	54
45	Chromate cathode decorated with in-situ growth of copper nanocatalyst for high temperature carbon dioxide electrolysis. International Journal of Hydrogen Energy, 2014, 39, 20888-20897.	7.1	54
46	Composite cathode based on Fe-loaded LSCM for steam electrolysis in an oxide-ion-conducting solid oxide electrolyser. Journal of Power Sources, 2013, 239, 332-340.	7.8	53
47	Controlled deposition and enhanced visible light photocatalytic performance of Pt-modified TiO2 nanotube arrays. Applied Surface Science, 2015, 351, 225-231.	6.1	53
48	Synthesis and adsorption properties of halloysite/carbon nanocomposites and halloysite-derived carbon nanotubes. Applied Clay Science, 2016, 119, 284-293.	5.2	53
49	Ni(OH)₂/CNTs hierarchical spheres for a foldable all-solid-state supercapacitor with high specific energy. Nanoscale, 2018, 10, 7377-7381.	5.6	52
50	A composite cathode based on scandium-doped chromate for direct high-temperature steam electrolysis in a symmetric solid oxide electrolyzer. Journal of Power Sources, 2015, 274, 718-729.	7.8	51
51	Water-Soluble Defect-Rich MoS₂ Ultrathin Nanosheets for Enhanced Hydrogen Evolution. Journal of Physical Chemistry Letters, 2019, 10, 3282-3289.	4.6	50
52	Perovskite Chromates Cathode with Exsolved Iron Nanoparticles for Direct High-Temperature Steam Electrolysis. ACS Applied Materials & Interfaces, 2013, 5, 8553-8562.	8.0	49
53	In situ SERS monitoring of photocatalytic organic decomposition using recyclable TiO2-coated Ag nanowire arrays. Applied Surface Science, 2014, 301, 351-357.	6.1	49
54	Construction of CuO/Cu2O@CoO core shell nanowire arrays for high-performance supercapacitors. Surface and Coatings Technology, 2016, 299, 15-21.	4.8	49

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55	Assembling of Bi atoms on TiO₂ nanorods boosts photoelectrochemical water splitting of semiconductors. Nanoscale, 2020, 12, 4302-4308.	5.6	49
56	Preparation of nickel-coated tungsten carbide powders by room temperature ultrasonic-assisted electroless plating. Surface and Coatings Technology, 2011, 206, 1091-1095.	4.8	48
57	Reversibly in-situ anchoring copper nanocatalyst inÂperovskite titanate cathode for direct high-temperature steam electrolysis. International Journal of Hydrogen Energy, 2014, 39, 5485-5496.	7.1	48
58	Enhanced visible-light photoelectrochemical behaviour of heterojunction composite with Cu₂O nanoparticles-decorated TiO₂nanotube arrays. New Journal of Chemistry, 2014, 38, 4975-4984.	2.8	47
59	Fabrication of carbon-modified TiO2 nanotube arrays and their photocatalytic activity. Materials Letters, 2008, 62, 4579-4581.	2.6	46
60	Composite cathode La0.4Sr0.4TiO3â^'Î´â€“Ce0.8Sm0.2O2â^'Î´ impregnated with Ni for high-temperature steam electrolysis. Journal of Power Sources, 2014, 245, 245-255.	7.8	46
61	Electrochemical conversion of H2O/CO2 to fuel in a proton-conducting solid oxide electrolyser. Journal of Power Sources, 2013, 232, 187-192.	7.8	45
62	Composite cathode based on Ni-loaded La0.75Sr0.25Cr0.5Mn0.5O3â^'Î´ for direct steam electrolysis in an oxide-ion-conducting solid oxide electrolyzer. International Journal of Hydrogen Energy, 2013, 38, 10196-10207.	7.1	44
63	Quantitative SERS detection of low-concentration aromatic polychlorinated biphenyl-77 and 2,4,6-trinitrotoluene. Journal of Hazardous Materials, 2014, 280, 706-712.	12.4	44
64	In situ Growth of NixCu1-x Alloy Nanocatalysts on Redox-reversible Rutile (Nb,Ti)O4 Towards High-Temperature Carbon Dioxide Electrolysis. Scientific Reports, 2014, 4, 5156.	3.3	44
65	Efficient Carbon Dioxide Electrolysis Based on Perovskite Cathode Enhanced with Nickel Nanocatalyst. Electrochimica Acta, 2015, 153, 325-333.	5.2	44
66	Rapid anodic oxidation of highly ordered TiO2 nanotube arrays. Journal of Alloys and Compounds, 2011, 509, L157-L160.	5.5	42
67	A bioinspired multi-functional wearable sensor with an integrated light-induced actuator based on an asymmetric graphene composite film. Journal of Materials Chemistry C, 2019, 7, 6879-6888.	5.5	42
68	Photoelectrochemical Performances and Potential Applications of TiO2 Nanotube Arrays Modified with Ag and Pt Nanoparticles. Electrochimica Acta, 2014, 121, 194-202.	5.2	41
69	Synthesis of porous NiO/CeO₂ hybrid nanoflake arrays as a platform for electrochemical biosensing. Nanoscale, 2016, 8, 770-774.	5.6	41
70	The anodization synthesis of copper oxide nanosheet arrays and their photoelectrochemical properties. Applied Surface Science, 2017, 412, 505-516.	6.1	41
71	Contributions of ryegrass, lignin and rhamnolipid to polycyclic aromatic hydrocarbon dissipation in an arable soil. Soil Biology and Biochemistry, 2018, 118, 27-34.	8.8	39
72	Photocatalytic property of a Bi₂O₃ nanoparticle modified BiOCl composite with a nanolayered hierarchical structure synthesized by in situ reactions. Dalton Transactions, 2015, 44, 5386-5395.	3.3	38

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73	MoS2 quantum dots decorated ultrathin NiO nanosheets for overall water splitting. Journal of Colloid and Interface Science, 2020, 566, 411-418.	9.4	38
74	Maximizing surface-enhanced Raman scattering sensitivity of surfactant-free Ag-Fe3O4 nanocomposites through optimization of silver nanoparticle density and magnetic self-assembly. Journal of Applied Physics, 2013, 114, .	2.5	37
75	Integration of a highly ordered gold nanowires array with glucose oxidase for ultra-sensitive glucose detection. Analytica Chimica Acta, 2014, 809, 134-140.	5.4	37
76	A composite cathode based on scandium doped titanate with enhanced electrocatalytic activity towards direct carbon dioxide electrolysis. Physical Chemistry Chemical Physics, 2014, 16, 21417-21428.	2.8	37
77	Multifunctional Soft Actuators Based on Anisotropic Paper/Polymer Bilayer Toward Bioinspired Applications. Advanced Materials Technologies, 2019, 4, 1800674.	5.8	37
78	Nitrification activity and putative ammonia-oxidizing archaea in acidic red soils. Journal of Soils and Sediments, 2012, 12, 420-428.	3.0	36
79	Enhanced High-Temperature Cyclic Stability of Al-Doped Manganese Dioxide and Morphology Evolution Study Through in situ NMR under High Magnetic Field. ACS Applied Materials & Interfaces, 2018, 10, 9398-9406.	8.0	36
80	Efficient carbon dioxide electrolysis in a symmetric solid oxide electrolyzer based on nanocatalyst-loaded chromate electrodes. International Journal of Hydrogen Energy, 2014, 39, 10338-10348.	7.1	35
81	Long Cyclic Life in Manganese Oxide-Based Electrodes. ACS Applied Materials & Interfaces, 2016, 8, 18078-18088.	8.0	35
82	Construction of NiO/MnO2/CeO2 hybrid nanoflake arrays as platform for electrochemical energy storage. Journal of Power Sources, 2017, 361, 310-317.	7.8	35
83	Perovskite titanate cathode decorated by grown iron nanocatalyst with enhanced electrocatalytic activity for high-temperature steam electrolysis. Electrochimica Acta, 2014, 127, 215-227.	5.2	34
84	Electrochemical Biosensor based on Pt/Au Alloy Nanowire Arrays for Phosphate Detection. Journal of the Electrochemical Society, 2015, 162, B62-B67.	2.9	34
85	Flexible Supercapacitors Based on Solid Ion Conducting Polymer with High Mechanical Strength. Journal of the Electrochemical Society, 2017, 164, A1952-A1957.	2.9	34
86	Redox-reversible niobium-doped strontium titanate decorated with in situ grown nickel nanocatalyst for high-temperature direct steam electrolysis. Dalton Transactions, 2014, 43, 14147.	3.3	33
87	g-C₃N₄/g-C₃N₄ isotype heterojunction as an efficient platform for direct photodegradation of antibiotic. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 210-217.	2.1	32
88	Perovskite chromates cathode with resolved and anchored nickel nano-particles for direct high-temperature steam electrolysis. Journal of Power Sources, 2014, 246, 346-355.	7.8	30
89	Photoelectrochemical properties of TiO2 Nanotube Arrays Modified with BiOCl nanosheets. Electrochimica Acta, 2014, 130, 213-221.	5.2	28
90	Niâ€“Co coordination hollow spheres for high performance flexible all-solid-state supercapacitor. Electrochimica Acta, 2020, 337, 135828.	5.2	27

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91	Single-phase nickel-doped ceria cathode with in situ grown nickel nanocatalyst for direct high-temperature carbon dioxide electrolysis. RSC Advances, 2014, 4, 40494-40504.	3.6	26
92	Composite manganate oxygen electrode enhanced with iron oxide nanocatalyst for high temperature steam electrolysis in a proton-conducting solid oxide electrolyzer. International Journal of Hydrogen Energy, 2015, 40, 7920-7931.	7.1	26
93	Interface design in 3D-SiC/Al-Si-Mg interpenetrating composite fabricated by pressureless infiltration. Ceramics International, 2018, 44, 11956-11965.	4.8	25
94	Self-healing polyaniline-graphene oxides based electrodes with enhanced cycling stability. Electrochimica Acta, 2018, 282, 835-844.	5.2	25
95	Layer-by-Layer Assembly of CeO_{2â€“x}@C-rGO Nanocomposites and CNTs as a Multifunctional Separator Coating for Highly Stable Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2022, 14, 18634-18645.	8.0	24
96	Composite titanate cathode decorated with heterogeneous electrocatalytic sites towards efficient carbon dioxide electrolysis. RSC Advances, 2014, 4, 22697-22709.	3.6	22
97	Multimodal particle distribution in 3D-SiC/Al-Si-Mg interpenetrating composite fabricated by pressureless infiltration. Ceramics International, 2018, 44, 19851-19858.	4.8	22
98	Grapheneâ€Based Bimorph Actuators with Dualâ€Response and Largeâ€Deformation by a Simple Method. Macromolecular Materials and Engineering, 2019, 304, 1800688.	3.6	22
99	Znâ€“Co Sulfide Microflowers Anchored on Threeâ€Dimensional Graphene: A Highâ€Capacitance and Longâ€Cycleâ€Life Electrode for Asymmetric Supercapacitors. Chemistry - A European Journal, 2020, 26, 650-658.	3.3	21
100	Synergy between fungi and bacteria promotes polycyclic aromatic hydrocarbon cometabolism in lignin-amended soil. Journal of Hazardous Materials, 2022, 425, 127958.	12.4	21
101	Optimization of Laccase-mediated Benzo[a]pyrene Oxidation and the Bioremedial Application in Aged Polycyclic Aromatic Hydrocarbons-contaminated Soil. Journal of Health Science, 2010, 56, 534-540.	0.9	20
102	Composite cathode based on doped vanadate enhanced with loaded metal nanoparticles for steam electrolysis. Journal of Power Sources, 2014, 253, 349-359.	7.8	20
103	Enhanced visible light photocatalytic activity of TiO2 nanotube arrays modified with CdSe nanoparticles by electrodeposition method. Surface and Coatings Technology, 2014, 242, 20-28.	4.8	20
104	Progress of low-frequency sound absorption research utilizing intelligent materials and acoustic metamaterials. RSC Advances, 2021, 11, 37784-37800.	3.6	20
105	Molecular Detection of Novel Anammox Bacterial Clusters in the Sediments of the Shallow Freshwater Lake Taihu. Geomicrobiology Journal, 2012, 29, 852-859.	2.0	19
106	Flow-through TiO2 nanotube arrays: a modified support with homogeneous distribution of Ag nanoparticles and their photocatalytic activities. New Journal of Chemistry, 2013, 37, 752.	2.8	19
107	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
108	Integration of mesoporous nickel cobalt oxide nanosheets with ultrathin layer carbon wrapped TiO₂ nanotube arrays for high-performance supercapacitors. New Journal of Chemistry, 2016, 40, 6881-6889.	2.8	18

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109	Synthesis of Niâ˜MoS_x/gâ€C₃N₄ for Photocatalytic Hydrogen Evolution under Visible Light. ChemCatChem, 2020, 12, 911-916.	3.7	18
110	Inhibition of Bacterial Ammonia Oxidation by Organohydrazines in Soil Microcosms. Frontiers in Microbiology, 2012, 3, 10.	3.5	17
111	A Flow-Injection Photoelectrochemical Sensor Based on TiO₂Nanotube Arrays for Organic Compound Detection. Journal of the Electrochemical Society, 2014, 161, H57-H61.	2.9	17
112	Ammonia oxidation-dependent growth of group I.1bThaumarchaeotain acidic red soil microcosms. FEMS Microbiology Ecology, 2014, 89, 127-134.	2.7	17
113	All solid supercapacitors based on an anion conducting polymer electrolyte. RSC Advances, 2016, 6, 19826-19832.	3.6	17
114	Supercapacitive performance of homogeneous Co3O4/TiO2 nanotube arrays enhanced by carbon layer and oxygen vacancies. Journal of Solid State Electrochemistry, 2017, 21, 1069-1078.	2.5	17
115	One-step electrodeposition of Co 0Â·12 Ni 1Â·88 S 2 @Co 8 S 9 nanoparticles on highly conductive TiO 2 nanotube arrays for battery-type electrodes with enhanced energy storage performance. Journal of Power Sources, 2017, 364, 400-409.	7.8	17
116	Investigation of growth mechanism of nano-scaled cadmium sulfide within titanium dioxide nanotubes via solution deposition method. Applied Surface Science, 2010, 256, 6564-6568.	6.1	16
117	Effects of pH and polycyclic aromatic hydrocarbon pollution on thaumarchaeotal community in agricultural soils. Journal of Soils and Sediments, 2016, 16, 1960-1969.	3.0	16
118	CoO Quantum Dots Anchored on Reduced Graphene Oxide Aerogels for Lithium-Ion Storage. ACS Applied Nano Materials, 2020, 3, 10369-10379.	5.0	16
119	Uniformly Dispersed and Controllable Ligandâ€Free Silverâ€Nanoparticleâ€Decorated TiO₂ Nanotube Arrays with Enhanced Photoelectrochemical Behaviors. Chemistry - an Asian Journal, 2013, 8, 2746-2754.	3.3	15
120	A chromium oxide coated nickel/yttria stabilized zirconia electrode with a heterojunction interface for use in electrochemical methane reforming. RSC Advances, 2015, 5, 47599-47608.	3.6	14
121	Photoelectrochemical detection performance and mechanism discussion of Bi₂O₃ modified TiO₂ nanotube arrays. RSC Advances, 2016, 6, 61367-61377.	3.6	14
122	Supercapacitive performance of electrochemically doped TiO₂ nanotube arrays decorated with Cu₂O nanoparticles. RSC Advances, 2016, 6, 47669-47675.	3.6	14
123	Synthesis and supercapacitive performance of CuO/Cu2O nanosheet arrays modified by hydrothermal deposited NiOOH. Journal of Solid State Electrochemistry, 2017, 21, 1489-1497.	2.5	14
124	Synthesis of W2N nanorods-graphene hybrid structure with enhanced oxygen reduction reaction performance. International Journal of Hydrogen Energy, 2017, 42, 25924-25932.	7.1	14
125	Directly Exfoliated Ultrathin Silicon Nanosheets for Enhanced Photocatalytic Hydrogen Production. Journal of Physical Chemistry Letters, 2020, 11, 8668-8674.	4.6	14
126	Fabrication, microstructures and properties of 50â€…vol.-% SiCp/6061Al composites via a pressureless sintering technique. Powder Metallurgy, 2018, 61, 1-9.	1.7	12

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127	Demonstration of efficient electrochemical biogas reforming in a solid oxide electrolyser with titanate cathode. RSC Advances, 2014, 4, 38474-38483.	3.6	11
128	Fabrication and photocatalytic performances of BiOCl nanosheets modified with ultrafine Bi₂O₃ nanocrystals. RSC Advances, 2016, 6, 63241-63249.	3.6	11
129	Influence of organic amendments used for benz[a]anthracene remediation in a farmland soil: pollutant distribution and bacterial changes. Journal of Soils and Sediments, 2020, 20, 32-41.	3.0	11
130	Supercapacitive performance of single phase CuO nanosheet arrays with ultra-long cycling stability. Journal of Alloys and Compounds, 2018, 753, 731-739.	5.5	10
131	Synthesis of SrTiO₃ submicron cubes with simultaneous and competitive photocatalytic activity for H₂O splitting and CO₂ reduction. RSC Advances, 2020, 10, 42619-42627.	3.6	10
132	Microstructure and compression properties of a dual-phase FeCoCrMn high-entropy alloy. Advanced Composites and Hybrid Materials, 2022, 5, 1508-1515.	21.1	10
133	Designing coreâ€“shell metalâ€“organic framework hybrids: toward high-efficiency electrochemical potassium storage. Journal of Materials Chemistry A, 2021, 9, 26181-26188.	10.3	10
134	A surface precleaning strategy intensifies the interface coupling of the Bi₂O₃/TiO₂ heterostructure for enhanced photoelectrochemical detection properties. Materials Chemistry Frontiers, 2020, 4, 638-644.	5.9	9
135	Effect of electroless plating Niâ€“Cuâ€“P layer on the wettability between cemented carbides and soldering tins. International Journal of Refractory Metals and Hard Materials, 2012, 31, 192-195.	3.8	8
136	SBA-15 Templated Mesoporous Graphitic C₃N₄for Remarkably Enhanced Photocatalytic Degradation of Organic Pollutants under Visible Light. Nano, 2019, 14, 1950136.	1.0	8
137	Carbon Nanolayer-Wrapped Mesoporous TiO₂â€“B/Anatase for Li⁺ Storage. ACS Applied Nano Materials, 2021, 4, 7832-7839.	5.0	8
138	In-situ constructing hybrid oxygen electrode of porous Co3O4 nanowire array on La0.8Sr0.2MnO3â^'Î´ for steam electrolysis. International Journal of Hydrogen Energy, 2016, 41, 5428-5436.	7.1	6
139	Microstructures and Properties of 40Cu/Ag(Invar) Composites Fabricated by Powder Metallurgy and Subsequent Thermo-Mechanical Treatment. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 1869-1878.	2.2	6
140	Enhanced Visible-Light Photocatalytic Remediation of Tetracycline Hydrochloride by Nanostructured BiOI Homojunctions. Nano, 2019, 14, 1950112.	1.0	6
141	Carbonâ€Bridged gâ€C₃N₄ Nanosheets for High Hydrogen Evolution Rate by a Twoâ€Step Gaseous Treatment. ChemistrySelect, 2019, 4, 13064-13070.	1.5	6
142	Moisture effects on the active prokaryotic communities in a saline soil unraveled by 18O-informed metagenomics. Journal of Soils and Sediments, 2021, 21, 430-440.	3.0	6
143	In situ electrochemical oxidation of electrodeposited Ni-based nanostructure promotes alkaline hydrogen production. Nanotechnology, 2019, 30, 474001.	2.6	5
144	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

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145	In-situ constructing NiO nanoplatelets network on La 0.75 Sr 0.25 Mn 0.5 Cr 0.5 O 3-Î´ electrode with enhanced steam electrolysis. International Journal of Hydrogen Energy, 2017, 42, 5657-5666.	7.1	4
146	Oxygenated derivative is more influential than unsubstituted polycyclic aromatic hydrocarbon on ammonia-oxidizing archaea in an acidic soil. Journal of Soils and Sediments, 2018, 18, 2573-2580.	3.0	4
147	Zinc doped Fe2O3 hierarchical particles for stable all-solid-state Ni-Co/Fe battery. Journal of Alloys and Compounds, 2021, 879, 160436.	5.5	4
148	Highly efficient solar-driven photocatalytic hydrogen evolution with FeMoSx/mpg-C3N4 heterostructure. Chemical Engineering Journal, 2022, 427, 131507.	12.7	4
149	Composite anode La_{0.8}Sr_{0.2}MnO₃impregnated with cobalt oxide for steam electrolysis. Proceedings of SPIE, 2013, , .	0.8	3
150	Lightâ€Driven Selfâ€Oscillating Actuators with Phototactic Locomotion Based on Black Phosphorus Heterostructure. Angewandte Chemie, 2021, 133, 20674-20680.	2.0	3
151	Structural Evolution and Property of Hot-pressed Palygorskite Clay. Transactions of the Indian Ceramic Society, 2015, 74, 169-176.	1.0	2
152	A facile route to accelerate the formation of TiO2nanotube arrays. Journal of Physics: Conference Series, 2011, 276, 012047.	0.4	1
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