

Xue-Jun Wu

List of Publications by Year in Descending Order

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

42
papers

7,863
citations

28
h-index

47
g-index

47
ext. papers

9,106
ext. citations

15.5
avg, IF

5.92
L-index

#	Paper	IF	Citations
42	Nonblinking Colloidal Quantum Dots via Efficient Multiexciton Emission.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2371-2378	6.4	
41	Simple Synthesis of Red Iridium(III) Complexes with Sulfur-Contained Four-Membered Ancillary Ligands for OLEDs. <i>Molecules</i> , 2021 , 26,	4.8	1
40	Rational Synthesis of 1D Hyperbranched Heterostructures with Enhanced Optoelectronic Performance. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3475-3480	16.4	4
39	Rational Synthesis of 1D Hyperbranched Heterostructures with Enhanced Optoelectronic Performance. <i>Angewandte Chemie</i> , 2021 , 133, 3517-3522	3.6	
38	Preparation of CdS Se -MoS Heterostructures via Cation Exchange of Pre-Epitaxially Synthesized Cu S Se -MoS for Photocatalytic Hydrogen Evolution. <i>Small</i> , 2021 , 17, e2006135	11	2
37	Ag@MoS Core-Shell Heterostructure as SERS Platform to Reveal the Hydrogen Evolution Active Sites of Single-Layer MoS. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7161-7167	16.4	88
36	Synthesis of Palladium-Based Crystalline@Amorphous Core-Shell Nanoplates for Highly Efficient Ethanol Oxidation. <i>Advanced Materials</i> , 2020 , 32, e2000482	24	53
35	Selective Epitaxial Growth of Oriented Hierarchical Metal-Organic Framework Heterostructures. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8953-8961	16.4	40
34	Unusual 4H-phase twinned noble metal nanokites. <i>Nature Communications</i> , 2019 , 10, 2881	17.4	15
33	Wet-Chemical Synthesis and Applications of Semiconductor Nanomaterial-Based Epitaxial Heterostructures. <i>Nano-Micro Letters</i> , 2019 , 11, 86	19.5	20
32	Synthesis of MoX ₂ (X = Se or S) monolayers with high-concentration 1T' phase on 4H/fcc-Au nanorods for hydrogen evolution. <i>Nano Research</i> , 2019 , 12, 1301-1305	10	28
31	Epitaxial growth of hybrid nanostructures. <i>Nature Reviews Materials</i> , 2018 , 3,	73.3	201
30	Preparation of High-Percentage 1T-Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2018 , 30, 1705509	24	234
29	High phase-purity 1TSMoS- and 1TSMoSe-layered crystals. <i>Nature Chemistry</i> , 2018 , 10, 638-643	17.6	510
28	Crystal phase-based epitaxial growth of hybrid noble metal nanostructures on 4H/fcc Au nanowires. <i>Nature Chemistry</i> , 2018 , 10, 456-461	17.6	160
27	Two-dimensional tessellation by molecular tiles constructed from halogen-halogen and halogen-metal networks. <i>Nature Communications</i> , 2018 , 9, 4871	17.4	22
26	Preparation of Ultrathin Two-Dimensional Ti Ta S O Nanosheets as Highly Efficient Photothermal Agents. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7842-7846	16.4	50

25	Preparation of Ultrathin Two-Dimensional $Ti_xTa_{1-x}SyO_z$ Nanosheets as Highly Efficient Photothermal Agents. <i>Angewandte Chemie</i> , 2017 , 129, 7950-7954	3.6	10
24	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. <i>Chemical Reviews</i> , 2017 , 117, 6225-6331	68.1	2919
23	Edge Epitaxy of Two-Dimensional MoSe and MoS Nanosheets on One-Dimensional Nanowires. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8653-8660	16.4	90
22	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. <i>Small</i> , 2016 , 12, 4669-74	11	88
21	Controlled growth of high-density CdS and CdSe nanorod arrays on selective facets of two-dimensional semiconductor nanoplates. <i>Nature Chemistry</i> , 2016 , 8, 470-5	17.6	142
20	AuAg nanosheets assembled from ultrathin AuAg nanowires. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1444-7	16.4	61
19	Synthesis of high-quality lanthanide oxybromides nanocrystals with single-source precursor for promising applications in cancer cells imaging. <i>Applied Materials Today</i> , 2015 , 1, 20-26	6.6	18
18	Synthesis of 4H/fcc-Au@Metal Sulfide Core-Shell Nanoribbons. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10910-3	16.4	35
17	Liquid-phase epitaxial growth of two-dimensional semiconductor hetero-nanostructures. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1841-5	16.4	79
16	One-pot synthesis of CdS nanocrystals hybridized with single-layer transition-metal dichalcogenide nanosheets for efficient photocatalytic hydrogen evolution. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1210-4	16.4	519
15	One-pot Synthesis of CdS Nanocrystals Hybridized with Single-Layer Transition-Metal Dichalcogenide Nanosheets for Efficient Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie</i> , 2015 , 127, 1226-1230	3.6	129
14	Liquid-Phase Epitaxial Growth of Two-Dimensional Semiconductor Hetero-nanostructures. <i>Angewandte Chemie</i> , 2015 , 127, 1861-1865	3.6	22
13	MoS ₂ nanoflower-decorated reduced graphene oxide paper for high-performance hydrogen evolution reaction. <i>Nanoscale</i> , 2014 , 6, 5624-9	7.7	281
12	Two-dimensional CuSe nanosheets with microscale lateral size: synthesis and template-assisted phase transformation. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5083-7	16.4	93
11	Copper-Based Ternary and Quaternary Semiconductor Nanoplates: Templated Synthesis, Characterization, and Photoelectrochemical Properties. <i>Angewandte Chemie</i> , 2014 , 126, 9075-9079	3.6	26
10	Copper-based ternary and quaternary semiconductor nanoplates: templated synthesis, characterization, and photoelectrochemical properties. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8929-33	16.4	102
9	Two-Dimensional CuSe Nanosheets with Microscale Lateral Size: Synthesis and Template-Assisted Phase Transformation. <i>Angewandte Chemie</i> , 2014 , 126, 5183-5187	3.6	22
8	Ni ₃ S ₂ nanorods/Ni foam composite electrode with low overpotential for electrocatalytic oxygen evolution. <i>Energy and Environmental Science</i> , 2013 , 6, 2921	35.4	814

7	A facile, relative green, and inexpensive synthetic approach toward large-scale production of SnS ₂ nanoplates for high-performance lithium-ion batteries. <i>Nanoscale</i> , 2013 , 5, 1456-9	7.7	158
6	A general method for the large-scale synthesis of uniform ultrathin metal sulphide nanocrystals. <i>Nature Communications</i> , 2012 , 3, 1177	17.4	334
5	A Unique Transformation Route for Synthesis of Rodlike Hollow Mesoporous Silica Particles. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 11342-11347	3.8	21
4	Facile synthesis of gold nanoflowers with high surface-enhanced Raman scattering activity. <i>Nanotechnology</i> , 2011 , 22, 385601	3.4	48
3	Soft template synthesis of yolk/silica shell particles. <i>Advanced Materials</i> , 2010 , 22, 1516-20	24	186
2	Electrochemical synthesis and applications of oriented and hierarchically quasi-1D semiconducting nanostructures. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 1135-1150	23.2	57
1	Formation of Yolk/SiO ₂ shell structures using surfactant mixtures as template. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2774-5	16.4	180