

Xue-Jun Wu

List of Publications by Year in descending order

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42
papers

10,232
citations

159358

30
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223531

46
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all docs

47
docs citations

47
times ranked

15904
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. <i>Chemical Reviews</i> , 2017, 117, 6225-6331.	23.0	3,940
2	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.	15.6	939
3	High phase-purity 1T [±] -MoS ₂ - and 1T [±] -MoSe ₂ -layered crystals. <i>Nature Chemistry</i> , 2018, 10, 638-643.	6.6	757
4	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, 1210-1214.	7.2	584
5	A general method for the large-scale synthesis of uniform ultrathin metal sulphide nanocrystals. <i>Nature Communications</i> , 2012, 3, 1177.	5.8	368
6	Preparation of High-Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2018, 30, 1705509.	11.1	341
7	MoS ₂ nanoflower-decorated reduced graphene oxide paper for high-performance hydrogen evolution reaction. <i>Nanoscale</i> , 2014, 6, 5624.	2.8	320
8	Epitaxial growth of hybrid nanostructures. <i>Nature Reviews Materials</i> , 2018, 3, .	23.3	318
9	Crystal phase-based epitaxial growth of hybrid noble metal nanostructures on 4H/fcc Au nanowires. <i>Nature Chemistry</i> , 2018, 10, 456-461.	6.6	220
10	Soft Template Synthesis of Yolk/Silica Shell particles. <i>Advanced Materials</i> , 2010, 22, 1516-1520.	11.1	200
11	Formation of Yolk/SiO ₂ Shell Structures Using Surfactant Mixtures as Template. <i>Journal of the American Chemical Society</i> , 2009, 131, 2774-2775.	6.6	195
12	Ag@MoS ₂ Core-Shell Heterostructure as SERS Platform to Reveal the Hydrogen Evolution Active Sites of Single-Layer MoS ₂ . <i>Journal of the American Chemical Society</i> , 2020, 142, 7161-7167.	6.6	185
13	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.	2.8	177
14	Controlled growth of high-density CdS and CdSe nanorod arrays on selective facets of two-dimensional semiconductor nanoplates. <i>Nature Chemistry</i> , 2016, 8, 470-475.	6.6	177
15	Copper-Based Ternary and Quaternary Semiconductor Nanoplates: Templated Synthesis, Characterization, and Photoelectrochemical Properties. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8929-8933.	7.2	118
16	Edge Epitaxy of Two-Dimensional MoSe ₂ and MoS ₂ Nanosheets on One-Dimensional Nanowires. <i>Journal of the American Chemical Society</i> , 2017, 139, 8653-8660.	6.6	118
17	Two-Dimensional CuSe Nanosheets with Microscale Lateral Size: Synthesis and Template-Assisted Phase Transformation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5083-5087.	7.2	115
18	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. <i>Small</i> , 2016, 12, 4669-4674.	5.2	101

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19	Selective Epitaxial Growth of Oriented Hierarchical Metal-Organic Framework Heterostructures. <i>Journal of the American Chemical Society</i> , 2020, 142, 8953-8961.	6.6	100
20	Synthesis of Palladium-Based Crystalline@Amorphous Core-Shell Nanoplates for Highly Efficient Ethanol Oxidation. <i>Advanced Materials</i> , 2020, 32, e2000482.	11.1	98
21	Liquid-Phase Epitaxial Growth of Two-Dimensional Semiconductor Heterostructures. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1841-1845.	7.2	88
22	AuAg Nanosheets Assembled from Ultrathin AuAg Nanowires. <i>Journal of the American Chemical Society</i> , 2015, 137, 1444-1447.	6.6	68
23	Electrochemical synthesis and applications of oriented and hierarchically quasi-1D semiconducting nanostructures. <i>Coordination Chemistry Reviews</i> , 2010, 254, 1135-1150.	9.5	66
24	Preparation of Ultrathin Two-Dimensional $Ti_xTa_{1-x}S_yO_z$ Nanosheets as Highly Efficient Photothermal Agents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7842-7846.	7.2	59
25	Facile synthesis of gold nanoflowers with high surface-enhanced Raman scattering activity. <i>Nanotechnology</i> , 2011, 22, 385601.	1.3	51
26	Synthesis of 4H/fcc-Au@Metal Sulfide Core-Shell Nanoribbons. <i>Journal of the American Chemical Society</i> , 2015, 137, 10910-10913.	6.6	44
27	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.	5.8	44
28	Two-dimensional tessellation by molecular tiles constructed from halogen-halogen and halogen-metal networks. <i>Nature Communications</i> , 2018, 9, 4871.	5.8	38
29	Wet-Chemical Synthesis and Applications of Semiconductor Nanomaterial-Based Epitaxial Heterostructures. <i>Nano-Micro Letters</i> , 2019, 11, 86.	14.4	37
30	Unusual 4H-phase twinned noble metal nanokites. <i>Nature Communications</i> , 2019, 10, 2881.	5.8	25
31	A Unique Transformation Route for Synthesis of Rodlike Hollow Mesoporous Silica Particles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 11342-11347.	1.5	21
32	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.	2.3	20
33	Rational Synthesis of 1D Hyperbranched Heterostructures with Enhanced Optoelectronic Performance. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3475-3480.	7.2	12
34	Preparation of Ultrathin Two-Dimensional $Ti_xTa_{1-x}S_yO_z$ Nanosheets as Highly Efficient Photothermal Agents. <i>Angewandte Chemie</i> , 2017, 129, 7950-7954.	1.6	11
35	Preparation of CdS_xSe_{1-x} MoS_2 Heterostructures via Cation Exchange of Pre-Epitaxially Synthesized $Cu_2S_xI_1S_ySe_{1-x}$ MoS_2 for Photocatalytic Hydrogen Evolution. <i>Small</i> , 2021, 17, e2006135.	5.2	11
36	Templated Synthesis of Ultrathin Indium-Based Ternary Metal Sulfide (MIn_2S_4), <i>TJ ETQq0 0 0 rgBT /Overlock 1</i> 2022, 5, 4877-4884.	2.5	9

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37	Direct synthesis of Au@Ag nanoframes by galvanic replacement <i>via</i> a continuous concaving process. <i>Nanoscale</i> , 2022, 14, 8825-8832.	2.8	9
38	Generalized Colloidal Approach for Preparing Epitaxial 1D/2D Heterostructures. <i>Chemistry of Materials</i> , 2022, 34, 4577-4586.	3.2	7
39	Simple Synthesis of Red Iridium(III) Complexes with Sulfur-Contained Four-Membered Ancillary Ligands for OLEDs. <i>Molecules</i> , 2021, 26, 2599.	1.7	5
40	Ultrasensitive detection of local acoustic vibrations at room temperature by plasmon-enhanced single-molecule fluorescence. <i>Nature Communications</i> , 2022, 13, .	5.8	4
41	Nonblinking Colloidal Quantum Dots via Efficient Multiexciton Emission. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2371-2378.	2.1	3
42	Rational Synthesis of 1D Hyperbranched Heterostructures with Enhanced Optoelectronic Performance. <i>Angewandte Chemie</i> , 2021, 133, 3517-3522.	1.6	1