

Xue-Jun Wu

List of Publications by Citations

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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 | Recent Advances in Ultrathin Two-Dimensional Nanomaterials. <i>Chemical Reviews</i> , 2017 , 117, 6225-6331 | 68.1 | 2919 |
| 41 | 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 |
| 40 | 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 |
| 39 | High phase-purity 1TSMoS- and 1TSMoSe-layered crystals. <i>Nature Chemistry</i> , 2018 , 10, 638-643 | 17.6 | 510 |
| 38 | A general method for the large-scale synthesis of uniform ultrathin metal sulphide nanocrystals. <i>Nature Communications</i> , 2012 , 3, 1177 | 17.4 | 334 |
| 37 | MoS ₂ nanoflower-decorated reduced graphene oxide paper for high-performance hydrogen evolution reaction. <i>Nanoscale</i> , 2014 , 6, 5624-9 | 7.7 | 281 |
| 36 | Preparation of High-Percentage 1T-Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2018 , 30, 1705509 | 24 | 234 |
| 35 | Epitaxial growth of hybrid nanostructures. <i>Nature Reviews Materials</i> , 2018 , 3, | 73.3 | 201 |
| 34 | Soft template synthesis of yolk/silica shell particles. <i>Advanced Materials</i> , 2010 , 22, 1516-20 | 24 | 186 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | 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 |
| 29 | 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 |
| 28 | 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 |
| 27 | 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 |
| 26 | 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 |

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| 25 | 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 |
| 24 | In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. <i>Small</i> , 2016 , 12, 4669-74 | 11 | 88 |
| 23 | Liquid-phase epitaxial growth of two-dimensional semiconductor hetero-nanostructures. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1841-5 | 16.4 | 79 |
| 22 | AuAg nanosheets assembled from ultrathin AuAg nanowires. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1444-7 | 16.4 | 61 |
| 21 | Electrochemical synthesis and applications of oriented and hierarchically quasi-1D semiconducting nanostructures. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 1135-1150 | 23.2 | 57 |
| 20 | Synthesis of Palladium-Based Crystalline@Amorphous Core-Shell Nanoplates for Highly Efficient Ethanol Oxidation. <i>Advanced Materials</i> , 2020 , 32, e2000482 | 24 | 53 |
| 19 | 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 |
| 18 | Facile synthesis of gold nanoflowers with high surface-enhanced Raman scattering activity. <i>Nanotechnology</i> , 2011 , 22, 385601 | 3.4 | 48 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | Copper-Based Ternary and Quaternary Semiconductor Nanoplates: Templated Synthesis, Characterization, and Photoelectrochemical Properties. <i>Angewandte Chemie</i> , 2014 , 126, 9075-9079 | 3.6 | 26 |
| 13 | Liquid-Phase Epitaxial Growth of Two-Dimensional Semiconductor Hetero-nanostructures. <i>Angewandte Chemie</i> , 2015 , 127, 1861-1865 | 3.6 | 22 |
| 12 | 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 |
| 11 | Two-dimensional tessellation by molecular tiles constructed from halogen-halogen and halogen-metal networks. <i>Nature Communications</i> , 2018 , 9, 4871 | 17.4 | 22 |
| 10 | 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 |
| 9 | Wet-Chemical Synthesis and Applications of Semiconductor Nanomaterial-Based Epitaxial Heterostructures. <i>Nano-Micro Letters</i> , 2019 , 11, 86 | 19.5 | 20 |
| 8 | 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 |

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| 7 | Unusual 4H-phase twinned noble metal nanokites. <i>Nature Communications</i> , 2019 , 10, 2881 | 17.4 | 15 |
| 6 | 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 |
| 5 | Rational Synthesis of 1D Hyperbranched Heterostructures with Enhanced Optoelectronic Performance. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3475-3480 | 16.4 | 4 |
| 4 | Preparation of CdS/Se-MoS Heterostructures via Cation Exchange of Pre-Epitaxially Synthesized CuS/Se-MoS for Photocatalytic Hydrogen Evolution. <i>Small</i> , 2021 , 17, e2006135 | 11 | 2 |
| 3 | Simple Synthesis of Red Iridium(III) Complexes with Sulfur-Contained Four-Membered Ancillary Ligands for OLEDs. <i>Molecules</i> , 2021 , 26, | 4.8 | 1 |
| 2 | Rational Synthesis of 1D Hyperbranched Heterostructures with Enhanced Optoelectronic Performance. <i>Angewandte Chemie</i> , 2021 , 133, 3517-3522 | 3.6 | |
| 1 | Nonblinking Colloidal Quantum Dots via Efficient Multiexciton Emission.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2371-2378 | 6.4 | |