

# Junze Chen

## List of Publications by Citations

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47  
papers

7,838  
citations

32  
h-index

48  
g-index

48  
ext. papers

9,163  
ext. citations

17  
avg, IF

5.83  
L-index

#	Paper	IF	Citations
47	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. <i>Chemical Reviews</i> , <b>2017</b> , 117, 6225-6331	68.1	2919
46	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> , <b>2015</b> , 54, 1210-4	16.4	519
45	High phase-purity 1TRMoS- and 1TRMoSe-layered crystals. <i>Nature Chemistry</i> , <b>2018</b> , 10, 638-643	17.6	510
44	Bioinspired Design of Ultrathin 2D Bimetallic Metal-Organic-Framework Nanosheets Used as Biomimetic Enzymes. <i>Advanced Materials</i> , <b>2016</b> , 28, 4149-55	24	320
43	Self-Assembly of Single-Layer CoAl-Layered Double Hydroxide Nanosheets on 3D Graphene Network Used as Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. <i>Advanced Materials</i> , <b>2016</b> , 28, 7640-5	24	296
42	Growth of Au Nanoparticles on 2D Metalloporphyrinic Metal-Organic Framework Nanosheets Used as Biomimetic Catalysts for Cascade Reactions. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700102	24	283
41	Single-layer transition metal dichalcogenide nanosheet-based nanosensors for rapid, sensitive, and multiplexed detection of DNA. <i>Advanced Materials</i> , <b>2015</b> , 27, 935-9	24	275
40	One-Pot Synthesis of Highly Anisotropic Five-Fold-Twinned PtCu Nanoframes Used as a Bifunctional Electrocatalyst for Oxygen Reduction and Methanol Oxidation. <i>Advanced Materials</i> , <b>2016</b> , 28, 8712-8717	24	275
39	Epitaxial growth of hybrid nanostructures. <i>Nature Reviews Materials</i> , <b>2018</b> , 3,	73.3	201
38	High-Yield Exfoliation of Ultrathin Two-Dimensional Ternary Chalcogenide Nanosheets for Highly Sensitive and Selective Fluorescence DNA Sensors. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 10430-6	16.4	187
37	Crystal phase-based epitaxial growth of hybrid noble metal nanostructures on 4H/fcc Au nanowires. <i>Nature Chemistry</i> , <b>2018</b> , 10, 456-461	17.6	160
36	Synthesis of Ultrathin PdCu Alloy Nanosheets Used as a Highly Efficient Electrocatalyst for Formic Acid Oxidation. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700769	24	154
35	Controlled growth of high-density CdS and CdSe nanorod arrays on selective facets of two-dimensional semiconductor nanoplates. <i>Nature Chemistry</i> , <b>2016</b> , 8, 470-5	17.6	142
34	Coating two-dimensional nanomaterials with metal-organic frameworks. <i>ACS Nano</i> , <b>2014</b> , 8, 8695-701	16.7	141
33	One-pot Synthesis of CdS Nanocrystals Hybridized with Single-Layer Transition-Metal Dichalcogenide Nanosheets for Efficient Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 1226-1230	3.6	129
32	Preparation of Superhydrophilic and Underwater Superoleophobic Nanofiber-Based Meshes from Waste Glass for Multifunctional Oil/Water Separation. <i>Small</i> , <b>2017</b> , 13, 1700391	11	95
31	Preparation of Single-Layer MoS(2x)Se2(1-x) and Mo(x)W(1-x)S2 Nanosheets with High-Concentration Metallic 1T Phase. <i>Small</i> , <b>2016</b> , 12, 1866-74	11	91

30	Edge Epitaxy of Two-Dimensional MoSe and MoS Nanosheets on One-Dimensional Nanowires. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 8653-8660	16.4	90
29	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> , <b>2020</b> , 142, 7161-7167	16.4	88
28	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. <i>Small</i> , <b>2016</b> , 12, 4669-74	11	88
27	Synthesis, properties and applications of one- and two-dimensional gold nanostructures. <i>Nano Research</i> , <b>2015</b> , 8, 40-55	10	84
26	Liquid-phase epitaxial growth of two-dimensional semiconductor hetero-nanostructures. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 1841-5	16.4	79
25	AuAg nanosheets assembled from ultrathin AuAg nanowires. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 1444-7	16.4	61
24	Preparation of Cobalt Sulfide Nanoparticle-Decorated Nitrogen and Sulfur Co-Doped Reduced Graphene Oxide Aerogel Used as a Highly Efficient Electrocatalyst for Oxygen Reduction Reaction. <i>Small</i> , <b>2016</b> , 12, 5920-5926	11	61
23	A universal method for preparation of noble metal nanoparticle-decorated transition metal dichalcogenide nanobelts. <i>Advanced Materials</i> , <b>2014</b> , 26, 6250-4	24	58
22	Synthesis of Palladium-Based Crystalline@Amorphous Core-Shell Nanoplates for Highly Efficient Ethanol Oxidation. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000482	24	53
21	Controllable galvanic synthesis of triangular Ag-Pd alloy nanoframes for efficient electrocatalytic methanol oxidation. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 8691-5	4.8	44
20	Anodized Aluminum Oxide Templated Synthesis of Metal-Organic Frameworks Used as Membrane Reactors. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 578-581	16.4	42
19	Surface Rutilization of Anatase TiO <sub>2</sub> Nanorods for Creation of Synergistically Bridging and Fencing Electron Highways. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 456-465	15.6	42
18	Selective Epitaxial Growth of Oriented Hierarchical Metal-Organic Framework Heterostructures. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 8953-8961	16.4	40
17	Realization of vertical metal semiconductor heterostructures via solution phase epitaxy. <i>Nature Communications</i> , <b>2018</b> , 9, 3611	17.4	39
16	In-Plane Anisotropic Properties of 1TRMoS Layers. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807764	24	36
15	Preparation of MoS <sub>2</sub> /MoO <sub>3</sub> Hybrid Nanomaterials for Light-Emitting Diodes. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 12768-12773	3.6	30
14	Synthesis of MoX <sub>2</sub> (X = Se or S) monolayers with high-concentration 1T' phase on 4H/fcc-Au nanorods for hydrogen evolution. <i>Nano Research</i> , <b>2019</b> , 12, 1301-1305	10	28
13	Transition metal dichalcogenide/multi-walled carbon nanotube-based fibers as flexible electrodes for electrocatalytic hydrogen evolution. <i>Chemical Communications</i> , <b>2020</b> , 56, 5131-5134	5.8	23

12	Liquid-Phase Epitaxial Growth of Two-Dimensional Semiconductor Hetero-nanostructures. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 1861-1865	3.6	22
11	Wet-Chemical Synthesis and Applications of Semiconductor Nanomaterial-Based Epitaxial Heterostructures. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 86	19.5	20
10	Synthesis of WO <sub>n</sub> -WX <sub>2</sub> (n=2.7, 2.9; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 10486-10490	16.4	20
9	Periodic AuAg-Ag <sub>3</sub> S heterostructured nanowires. <i>Small</i> , <b>2014</b> , 10, 479-82	11	17
8	Synthesis of Pd Sn and PdCuSn Nanorods with L1 Phase for Highly Efficient Electrocatalytic Ethanol Oxidation. <i>Advanced Materials</i> , <b>2021</b> , e2106115	24	17
7	Anodized Aluminum Oxide Templated Synthesis of Metal-Organic Frameworks Used as Membrane Reactors. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 593-596	3.6	15
6	A simple electrochemical method for conversion of Pt wires to Pt concave icosahedra and nanocubes on carbon paper for electrocatalytic hydrogen evolution. <i>Science China Materials</i> , <b>2019</b> , 62, 115-121	7.1	15
5	Electrostatic Force-Driven Oxide Heteroepitaxy for Interface Control. <i>Advanced Materials</i> , <b>2018</b> , 30, e1707017	10.7	13
4	Synthesis of WO <sub>n</sub> -WX <sub>2</sub> (n=2.7, 2.9; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10622-10626	3.6	7
3	A General Method for the Synthesis of Hybrid Nanostructures Using MoSe Nanosheet-Assembled Nanospheres as Templates. <i>Research</i> , <b>2019</b> , 2019, 6439734	7.8	4
2	Water Splitting: Au Nanoparticle-Modified MoS <sub>2</sub> Nanosheet-Based Photoelectrochemical Cells for Water Splitting (Small 17/2014). <i>Small</i> , <b>2014</b> , 10, 3536-3536	11	2
1	Preparation of CdS Se -MoS Heterostructures via Cation Exchange of Pre-Epitaxially Synthesized Cu S Se -MoS for Photocatalytic Hydrogen Evolution. <i>Small</i> , <b>2021</b> , 17, e2006135	11	2