

# Junze Chen

## List of Publications by Year in descending order

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44  
papers

10,415  
citations

109137

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docs citations

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times ranked

15837  
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	High phase-purity 1T <sup>-2</sup> -MoS <sub>2</sub> - and 1T <sup>-2</sup> -MoSe <sub>2</sub> -layered crystals. <i>Nature Chemistry</i> , 2018, 10, 638-643.	6.6	757
3	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
4	Bioinspired Design of Ultrathin 2D Bimetallic Metal-Organic Framework Nanosheets Used as Biomimetic Enzymes. <i>Advanced Materials</i> , 2016, 28, 4149-4155.	11.1	440
5	Growth of Au Nanoparticles on 2D Metalloporphyrinic Metal-Organic Framework Nanosheets Used as Biomimetic Catalysts for Cascade Reactions. <i>Advanced Materials</i> , 2017, 29, 1700102.	11.1	384
6	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> , 2016, 28, 7640-7645.	11.1	355
7	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> , 2016, 28, 8712-8717.	11.1	336
8	Single-Layer Transition Metal Dichalcogenide Nanosheet-Based Nanosensors for Rapid, Sensitive, and Multiplexed Detection of DNA. <i>Advanced Materials</i> , 2015, 27, 935-939.	11.1	322
9	Epitaxial growth of hybrid nanostructures. <i>Nature Reviews Materials</i> , 2018, 3, .	23.3	318
10	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
11	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> , 2015, 137, 10430-10436.	6.6	214
12	Synthesis of Ultrathin PdCu Alloy Nanosheets Used as a Highly Efficient Electrocatalyst for Formic Acid Oxidation. <i>Advanced Materials</i> , 2017, 29, 1700769.	11.1	207
13	Ag@MoS <sub>2</sub> Core-Shell Heterostructure as SERS Platform to Reveal the Hydrogen Evolution Active Sites of Single-Layer MoS <sub>2</sub> . <i>Journal of the American Chemical Society</i> , 2020, 142, 7161-7167.	6.6	185
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	Coating Two-Dimensional Nanomaterials with Metal-Organic Frameworks. <i>ACS Nano</i> , 2014, 8, 8695-8701.	7.3	168
16	Preparation of Single-Layer MoS <sub>2</sub> and Se <sub>2</sub> (1-x)S <sub>x</sub> and Mo <sub>1-x</sub> W <sub>x</sub> S <sub>2</sub> Nanosheets with High-Concentration Metallic 1T Phase. <i>Small</i> , 2016, 12, 1866-1874.	5.2	126
17	Edge Epitaxy of Two-Dimensional MoSe <sub>2</sub> and MoS <sub>2</sub> Nanosheets on One-Dimensional Nanowires. <i>Journal of the American Chemical Society</i> , 2017, 139, 8653-8660.	6.6	118
18	Preparation of Superhydrophilic and Underwater Superoleophobic Nanofiber-Based Meshes from Waste Glass for Multifunctional Oil/Water Separation. <i>Small</i> , 2017, 13, 1700391.	5.2	111

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19	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. <i>Small</i> , 2016, 12, 4669-4674.	5.2	101
20	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
21	Synthesis of Palladium-Based Crystalline@Amorphous Core-Shell Nanoplates for Highly Efficient Ethanol Oxidation. <i>Advanced Materials</i> , 2020, 32, e2000482.	11.1	98
22	Synthesis, properties and applications of one- and two-dimensional gold nanostructures. <i>Nano Research</i> , 2015, 8, 40-55.	5.8	97
23	Liquid-Phase Epitaxial Growth of Two-Dimensional Semiconductor Hetero-nanostructures. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1841-1845.	7.2	88
24	A Universal Method for Preparation of Noble Metal Nanoparticle-Decorated Transition Metal Dichalcogenide Nanobelts. <i>Advanced Materials</i> , 2014, 26, 6250-6254.	11.1	71
25	AuAg Nanosheets Assembled from Ultrathin AuAg Nanowires. <i>Journal of the American Chemical Society</i> , 2015, 137, 1444-1447.	6.6	68
26	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> , 2016, 12, 5920-5926.	5.2	65
27	Synthesis of Pd <sub>3</sub> Sn and PdCuSn Nanorods with L1 <sub>2</sub> Phase for Highly Efficient Electrocatalytic Ethanol Oxidation. <i>Advanced Materials</i> , 2022, 34, e2106115.	11.1	65
28	Anodized Aluminum Oxide Templated Synthesis of Metal-Organic Frameworks Used as Membrane Reactors. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 578-581.	7.2	57
29	In-Plane Anisotropic Properties of 1T-MoS <sub>2</sub> Layers. <i>Advanced Materials</i> , 2019, 31, e1807764.	11.1	55
30	Surface Rutilization of Anatase TiO <sub>2</sub> Nanorods for Creation of Synergistically Bridging and Fencing Electron Highways. <i>Advanced Functional Materials</i> , 2016, 26, 456-465.	7.8	52
31	Realization of vertical metal semiconductor heterostructures via solution phase epitaxy. <i>Nature Communications</i> , 2018, 9, 3611.	5.8	49
32	Controllable Galvanic Synthesis of Triangular Ag-Pd Alloy Nanoframes for Efficient Electrocatalytic Methanol Oxidation. <i>Chemistry - A European Journal</i> , 2015, 21, 8691-8695.	1.7	48
33	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> , 2019, 12, 1301-1305.	5.8	44
34	Wet-Chemical Synthesis and Applications of Semiconductor Nanomaterial-Based Epitaxial Heterostructures. <i>Nano-Micro Letters</i> , 2019, 11, 86.	14.4	37
35	Transition metal dichalcogenide/multi-walled carbon nanotube-based fibers as flexible electrodes for electrocatalytic hydrogen evolution. <i>Chemical Communications</i> , 2020, 56, 5131-5134.	2.2	28
36	Electrostatic Force-Driven Oxide Heteroepitaxy for Interface Control. <i>Advanced Materials</i> , 2018, 30, e1707017.	11.1	23

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37	Synthesis of $\text{WO}_3/\text{WX}_2$ ( $x=2.7, 2.9$ ; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10486-10490.	7.2	21
38	Periodic $\text{AuAg}_2\text{S}$ Heterostructured Nanowires. <i>Small</i> , 2014, 10, 479-482.	5.2	20
39	Anodized Aluminum Oxide Templated Synthesis of Metal-Organic Frameworks Used as Membrane Reactors. <i>Angewandte Chemie</i> , 2017, 129, 593-596.	1.6	18
40	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> , 2019, 62, 115-121.	3.5	16
41	Preparation of $\text{CdS}/\text{Se}^{\sim}/\text{MoS}_2$ Heterostructures via Cation Exchange of Pre-Epitaxially Synthesized $\text{Cu}_2\text{S}/\text{S}^{\sim}/\text{Se}^{\sim}/\text{MoS}_2$ for Photocatalytic Hydrogen Evolution. <i>Small</i> , 2021, 17, e2006135.	5.2	11
42	Synthesis of $\text{WO}_3/\text{WX}_2$ ( $x=2.7, 2.9$ ; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. <i>Angewandte Chemie</i> , 2017, 129, 10622-10626.	1.6	7
43	A General Method for the Synthesis of Hybrid Nanostructures Using $\text{MoSe}_2$ Nanosheet-Assembled Nanospheres as Templates. <i>Research</i> , 2019, 2019, 6439734.	2.8	7
44	Water Splitting: Au Nanoparticle-Modified $\text{MoS}_2$ Nanosheet-Based Photoelectrochemical Cells for Water Splitting ( <i>Small</i> 17/2014). <i>Small</i> , 2014, 10, 3536-3536.	5.2	2