

Junze Chen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis of Pd ₃ Sn and PdCuSn Nanorods with L1 ₂ Phase for Highly Efficient Electrocatalytic Ethanol Oxidation. <i>Advanced Materials</i> , 2022, 34, e2106115.	21.0	65
2	Preparation of CdS _y Se _{1-y} Core-Shell Heterostructures via Cation Exchange of Pre-Epitaxially Synthesized Cu ₂ S _z I _{1-z} Nanorods for Photocatalytic Hydrogen Evolution. <i>Small</i> , 2021, 17, e2006135.	10.9	11
3	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.	13.7	185
4	Transition metal dichalcogenide/multi-walled carbon nanotube-based fibers as flexible electrodes for electrocatalytic hydrogen evolution. <i>Chemical Communications</i> , 2020, 56, 5131-5134.	4.1	28
5	Synthesis of Palladium-Based Crystalline@Amorphous Core-Shell Nanoplates for Highly Efficient Ethanol Oxidation. <i>Advanced Materials</i> , 2020, 32, e2000482.	21.0	98
6	Selective Epitaxial Growth of Oriented Hierarchical Metal-Organic Framework Heterostructures. <i>Journal of the American Chemical Society</i> , 2020, 142, 8953-8961.	13.7	100
7	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.	6.3	16
8	Wet-Chemical Synthesis and Applications of Semiconductor Nanomaterial-Based Epitaxial Heterostructures. <i>Nano-Micro Letters</i> , 2019, 11, 86.	27.0	37
9	In-Plane Anisotropic Properties of 1T ⁻² -MoS ₂ Layers. <i>Advanced Materials</i> , 2019, 31, e1807764.	21.0	55
10	Synthesis of MoX ₂ (X = Se or S) monolayers with high-concentration 1T ⁻² phase on 4H/fcc-Au nanorods for hydrogen evolution. <i>Nano Research</i> , 2019, 12, 1301-1305.	10.4	44
11	A General Method for the Synthesis of Hybrid Nanostructures Using MoSe ₂ Nanosheet-Assembled Nanospheres as Templates. <i>Research</i> , 2019, 2019, 6439734.	5.7	7
12	Epitaxial growth of hybrid nanostructures. <i>Nature Reviews Materials</i> , 2018, 3, .	48.7	318
13	High phase-purity 1T ⁻² -MoS ₂ - and 1T ⁻² -MoSe ₂ -layered crystals. <i>Nature Chemistry</i> , 2018, 10, 638-643.	13.6	757
14	Crystal phase-based epitaxial growth of hybrid noble metal nanostructures on 4H/fcc Au nanowires. <i>Nature Chemistry</i> , 2018, 10, 456-461.	13.6	220
15	Realization of vertical metal semiconductor heterostructures via solution phase epitaxy. <i>Nature Communications</i> , 2018, 9, 3611.	12.8	49
16	Electrostatic Force-Driven Oxide Heteroepitaxy for Interface Control. <i>Advanced Materials</i> , 2018, 30, e1707017.	21.0	23
17	Anodized Aluminum Oxide Templated Synthesis of Metal-Organic Frameworks Used as Membrane Reactors. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 578-581.	13.8	57
18	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.	21.0	384

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19	Preparation of Superhydrophilic and Underwater Superoleophobic Nanofiber-Based Meshes from Waste Glass for Multifunctional Oil/Water Separation. <i>Small</i> , 2017, 13, 1700391.	10.0	111
20	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. <i>Chemical Reviews</i> , 2017, 117, 6225-6331.	47.7	3,940
21	Anodized Aluminum Oxide Templated Synthesis of Metal-Organic Frameworks Used as Membrane Reactors. <i>Angewandte Chemie</i> , 2017, 129, 593-596.	2.0	18
22	Synthesis of WO_3-x ($x=2.7, 2.9$; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. <i>Angewandte Chemie</i> , 2017, 129, 10622-10626.	2.0	7
23	Synthesis of WO_3-x ($x=2.7, 2.9$; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10486-10490.	13.8	21
24	Synthesis of Ultrathin PdCu Alloy Nanosheets Used as a Highly Efficient Electrocatalyst for Formic Acid Oxidation. <i>Advanced Materials</i> , 2017, 29, 1700769.	21.0	207
25	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.	13.7	118
26	Preparation of Single-Layer MoS_2 and $MoSe_2$ ($1-x$) and $Mo_xW_{1-x}S_2$ Nanosheets with High-Concentration Metallic 1T Phase. <i>Small</i> , 2016, 12, 1866-1874.	10.0	126
27	Surface Rutilization of Anatase TiO_2 Nanorods for Creation of Synergistically Bridging and Fencing Electron Highways. <i>Advanced Functional Materials</i> , 2016, 26, 456-465.	14.9	52
28	Bioinspired Design of Ultrathin 2D Bimetallic Metal-Organic Framework Nanosheets Used as Biomimetic Enzymes. <i>Advanced Materials</i> , 2016, 28, 4149-4155.	21.0	440
29	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.	10.0	65
30	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.	21.0	336
31	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. <i>Small</i> , 2016, 12, 4669-4674.	10.0	101
32	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.	21.0	355
33	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.	13.6	177
34	AuAg Nanosheets Assembled from Ultrathin AuAg Nanowires. <i>Journal of the American Chemical Society</i> , 2015, 137, 1444-1447.	13.7	68
35	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.	13.7	214
36	Controllable Galvanic Synthesis of Triangular $Ag-Pd$ Alloy Nanoframes for Efficient Electrocatalytic Methanol Oxidation. <i>Chemistry - A European Journal</i> , 2015, 21, 8691-8695.	3.3	48

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37	Liquid-Phase Epitaxial Growth of Two-Dimensional Semiconductor Heterostructures. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1841-1845.	13.8	88
38	Single-Layer Transition Metal Dichalcogenide Nanosheet-Based Nanosensors for Rapid, Sensitive, and Multiplexed Detection of DNA. <i>Advanced Materials</i> , 2015, 27, 935-939.	21.0	322
39	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.	13.8	584
40	Synthesis, properties and applications of one- and two-dimensional gold nanostructures. <i>Nano Research</i> , 2015, 8, 40-55.	10.4	97
41	Periodic AuAg ₂ S Heterostructured Nanowires. <i>Small</i> , 2014, 10, 479-482.	10.0	20
42	Coating Two-Dimensional Nanomaterials with Metal-Organic Frameworks. <i>ACS Nano</i> , 2014, 8, 8695-8701.	14.6	168
43	A Universal Method for Preparation of Noble Metal Nanoparticle-Decorated Transition Metal Dichalcogenide Nanobelts. <i>Advanced Materials</i> , 2014, 26, 6250-6254.	21.0	71
44	Water Splitting: Au Nanoparticle-Modified MoS ₂ Nanosheet-Based Photoelectrochemical Cells for Water Splitting (<i>Small</i> 17/2014). <i>Small</i> , 2014, 10, 3536-3536.	10.0	2