Junze Chen

List of Publications by Year
in descending order

44 papers	10,415 citations	109321 35 h-index	206112 48 g-index
48 all docs	48 docs citations	48 times ranked	15837 citing authors

#	Article	IF	Citations
1	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. Chemical Reviews, 2017, 117, 6225-6331.	47.7	3,940
2	High phase-purity 1Tâ€²-MoS2- and 1Tâ€²-MoSe2-layered crystals. Nature Chemistry, 2018, 10, 638-643.	13.6	757
3	Oneâ€pot Synthesis of CdS Nanocrystals Hybridized with Singleâ€Layer Transitionâ€Metal Dichalcogenide Nanosheets for Efficient Photocatalytic Hydrogen Evolution. Angewandte Chemie - International Edition, 2015, 54, 1210-1214.	13.8	584
4	Bioinspired Design of Ultrathin 2D Bimetallic Metalâ€“Organicâ€Framework Nanosheets Used as Biomimetic Enzymes. Advanced Materials, 2016, 28, 4149-4155.	21.0	440
5	Growth of Au Nanoparticles on 2D Metalloporphyrinic Metalâ€Organic Framework Nanosheets Used as Biomimetic Catalysts for Cascade Reactions. Advanced Materials, 2017, 29, 1700102.	21.0	384
6	Selfâ€Assembly of Singleâ€Layer CoAlâ€Layered Double Hydroxide Nanosheets on 3D Graphene Network Used as Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. Advanced Materials, 2016, 28, 7640-7645.	21.0	355
7	Oneâ€Pot Synthesis of Highly Anisotropic Fiveâ€Foldâ€Twinned PtCu Nanoframes Used as a Bifunctional Electrocatalyst for Oxygen Reduction and Methanol Oxidation. Advanced Materials, 2016, 28, 8712-8717.	21.0	336
8	Singleâ€Layer Transition Metal Dichalcogenide Nanosheetâ€Based Nanosensors for Rapid, Sensitive, and Multiplexed Detection of DNA. Advanced Materials, 2015, 27, 935-939.	21.0	322
9	Epitaxial growth of hybrid nanostructures. Nature Reviews Materials, 2018, 3, .	48.7	318
10	Crystal phase-based epitaxial growth of hybrid noble metal nanostructures on 4H/fcc Au nanowires. Nature Chemistry, 2018, 10, 456-461.	13.6	220
11	High-Yield Exfoliation of Ultrathin Two-Dimensional Ternary Chalcogenide Nanosheets for Highly Sensitive and Selective Fluorescence DNA Sensors. Journal of the American Chemical Society, 2015, 137, 10430-10436.	13.7	214
12	Synthesis of Ultrathin PdCu Alloy Nanosheets Used as a Highly Efficient Electrocatalyst for Formic Acid Oxidation. Advanced Materials, 2017, 29, 1700769.	21.0	207
13	Ag@MoS₂ Coreâ€“Shell Heterostructure as SERS Platform to Reveal the Hydrogen Evolution Active Sites of Single-Layer MoS₂. Journal of the American Chemical Society, 2020, 142, 7161-7167.	13.7	185
14	Controlled growth of high-density CdS and CdSe nanorod arrays on selective facets of two-dimensional semiconductor nanoplates. Nature Chemistry, 2016, 8, 470-475.	13.6	177
15	Coating Two-Dimensional Nanomaterials with Metalâ€“Organic Frameworks. ACS Nano, 2014, 8, 8695-8701.	14.6	168
16	Preparation of Singleâ€Layer MoS₂_xSe_{2(1â€‹}_x₎ and Mo_xW_{1â€‹}_xS₂ Nanosheets with Highâ€Concentration Metallic 1T Phase. Small, 2016, 12, 1866-1874.	10.0	126
17	Edge Epitaxy of Two-Dimensional MoSe₂ and MoS₂ Nanosheets on One-Dimensional Nanowires. Journal of the American Chemical Society, 2017, 139, 8653-8660.	13.7	118
18	Preparation of Superhydrophilic and Underwater Superoleophobic Nanofiberâ€Based Meshes from Waste Glass for Multifunctional Oil/Water Separation. Small, 2017, 13, 1700391.	10.0	111

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19	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metalâ€Organic Framework Nanosheets. Small, 2016, 12, 4669-4674.	10.0	101
20	Selective Epitaxial Growth of Oriented Hierarchical Metalâ€“Organic Framework Heterostructures. Journal of the American Chemical Society, 2020, 142, 8953-8961.	13.7	100
21	Synthesis of Palladiumâ€Based Crystalline@Amorphous Coreâ€“Shell Nanoplates for Highly Efficient Ethanol Oxidation. Advanced Materials, 2020, 32, e2000482.	21.0	98
22	Synthesis, properties and applications of one- and two-dimensional gold nanostructures. Nano Research, 2015, 8, 40-55.	10.4	97
23	Liquidâ€Phase Epitaxial Growth of Twoâ€Dimensional Semiconductor Heteroâ€nanostructures. Angewandte Chemie - International Edition, 2015, 54, 1841-1845.	13.8	88
24	A Universal Method for Preparation of Noble Metal Nanoparticleâ€Decorated Transition Metal Dichalcogenide Nanobelts. Advanced Materials, 2014, 26, 6250-6254.	21.0	71
25	AuAg Nanosheets Assembled from Ultrathin AuAg Nanowires. Journal of the American Chemical Society, 2015, 137, 1444-1447.	13.7	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. Small, 2016, 12, 5920-5926.	10.0	65
27	Synthesis of Pd₃Sn and PdCuSn Nanorods with L1₂ Phase for Highly Efficient Electrocatalytic Ethanol Oxidation. Advanced Materials, 2022, 34, e2106115.	21.0	65
28	Anodized Aluminum Oxide Templated Synthesis of Metalâ€“Organic Frameworks Used as Membrane Reactors. Angewandte Chemie - International Edition, 2017, 56, 578-581.	13.8	57
29	Inâ€Plane Anisotropic Properties of 1Tâ€²â€MoS₂ Layers. Advanced Materials, 2019, 31, e1807764.	21.0	55
30	Surface Rutilization of Anatase TiO₂ Nanorods for Creation of Synergistically Bridging and Fencing Electron Highways. Advanced Functional Materials, 2016, 26, 456-465.	14.9	52
31	Realization of vertical metal semiconductor heterostructures via solution phase epitaxy. Nature Communications, 2018, 9, 3611.	12.8	49
32	Controllable Galvanic Synthesis of Triangular Agâ€“Pd Alloy Nanoframes for Efficient Electrocatalytic Methanol Oxidation. Chemistry - A European Journal, 2015, 21, 8691-8695.	3.3	48
33	Synthesis of MoX2 (X = Se or S) monolayers with high-concentration 1Tâ€² phase on 4H/fcc-Au nanorods for hydrogen evolution. Nano Research, 2019, 12, 1301-1305.	10.4	44
34	Wet-Chemical Synthesis and Applications of Semiconductor Nanomaterial-Based Epitaxial Heterostructures. Nano-Micro Letters, 2019, 11, 86.	27.0	37
35	Transition metal dichalcogenide/multi-walled carbon nanotube-based fibers as flexible electrodes for electrocatalytic hydrogen evolution. Chemical Communications, 2020, 56, 5131-5134.	4.1	28
36	Electrostatic Forceâ€“Driven Oxide Heteroepitaxy for Interface Control. Advanced Materials, 2018, 30, e1707017.	21.0	23

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37	Synthesis of WO_nâ€WX₂ (n=2.7, 2.9; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Lightâ€Emitting Diodes. Angewandte Chemie - International Edition, 2017, 56, 10486-10490.	13.8	21
38	Periodic AuAgâ€Ag₂S Heterostructured Nanowires. Small, 2014, 10, 479-482.	10.0	20
39	Anodized Aluminum Oxide Templated Synthesis of Metalâ€“Organic Frameworks Used as Membrane Reactors. Angewandte Chemie, 2017, 129, 593-596.	2.0	18
40	A simple electrochemical method for conversion of Pt wires to Pt concave icosahedra and nanocubes on carbon paper for electrocatalytic hydrogen evolution. Science China Materials, 2019, 62, 115-121.	6.3	16
41	Preparation of CdS_ySe_{1â^'}_yâ€MoS₂ Heterostructures via Cation Exchange of Preâ€Epitaxially Synthesized Cu_{2â^'}_{Ï‡}S_ySe_{1â^'}_yâ€MoS₂ for Photocatalytic Hydrogen Evolution. Small, 2021, 17, e2006135.	10.9	11
42	Synthesis of WO_nâ€WX₂ (n=2.7, 2.9; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Lightâ€Emitting Diodes. Angewandte Chemie, 2017, 129, 10622-10626.	2.0	7
43	A General Method for the Synthesis of Hybrid Nanostructures Using MoSe ₂ Nanosheet-Assembled Nanospheres as Templates. Research, 2019, 2019, 6439734.	5.7	7
44	Water Splitting: Au Nanoparticle-Modified MoS2Nanosheet-Based Photoelectrochemical Cells for Water Splitting (Small 17/2014). Small, 2014, 10, 3536-3536.	10.0	2