Junze Chen

List of Publications by Year in Descending Order

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	Synthesis of Pd Sn and PdCuSn Nanorods with L1 Phase for Highly Efficient Electrocatalytic Ethanol Oxidation. *Advanced Materials*, **2021**, e2106115	24	17
46	Preparation of CdS Se -MoS Heterostructures via Cation Exchange of Pre-Epitaxially Synthesized Cu S Se -MoS for Photocatalytic Hydrogen Evolution. *Small*, **2021**, 17, e2006135	11	2
45	Ag@MoS Core-Shell Heterostructure as SERS Platform to Reveal the Hydrogen Evolution Active Sites of Single-Layer MoS. *Journal of the American Chemical Society*, **2020**, 142, 7161-7167	16.4	88
44	Transition metal dichalcogenide/multi-walled carbon nanotube-based fibers as flexible electrodes for electrocatalytic hydrogen evolution. *Chemical Communications*, **2020**, 56, 5131-5134	5.8	23
43	Synthesis of Palladium-Based Crystalline@Amorphous Core-Shell Nanoplates for Highly Efficient Ethanol Oxidation. *Advanced Materials*, **2020**, 32, e2000482	24	53
42	Selective Epitaxial Growth of Oriented Hierarchical Metal-Organic Framework Heterostructures. *Journal of the American Chemical Society*, **2020**, 142, 8953-8961	16.4	40
41	In-Plane Anisotropic Properties of 1TRMoS Layers. *Advanced Materials*, **2019**, 31, e1807764	24	36
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	7.1	15
39	Wet-Chemical Synthesis and Applications of Semiconductor Nanomaterial-Based Epitaxial Heterostructures. *Nano-Micro Letters*, **2019**, 11, 86	19.5	20
38	A General Method for the Synthesis of Hybrid Nanostructures Using MoSe Nanosheet-Assembled Nanospheres as Templates. *Research*, **2019**, 2019, 6439734	7.8	4
37	Synthesis of MoX2 (X = Se or S) monolayers with high-concentration 1T? phase on 4H/fcc-Au nanorods for hydrogen evolution. *Nano Research*, **2019**, 12, 1301-1305	10	28
36	Epitaxial growth of hybrid nanostructures. *Nature Reviews Materials*, **2018**, 3,	73.3	201
35	High phase-purity 1TRMoS- and 1TRMoSe-layered crystals. *Nature Chemistry*, **2018**, 10, 638-643	17.6	510
34	Crystal phase-based epitaxial growth of hybrid noble metal nanostructures on 4H/fcc Au nanowires. *Nature Chemistry*, **2018**, 10, 456-461	17.6	160
33	Electrostatic Force-Driven Oxide Heteroepitaxy for Interface Control. *Advanced Materials*, **2018**, 30, e1707017	24	13
32	Realization of vertical metal semiconductor heterostructures via solution phase epitaxy. *Nature Communications*, **2018**, 9, 3611	17.4	39
31	Anodized Aluminum Oxide Templated Synthesis of Metal-Organic Frameworks Used as Membrane Reactors. *Angewandte Chemie - International Edition*, **2017**, 56, 578-581	16.4	42

30	Growth of Au Nanoparticles on 2D Metalloporphyrinic Metal-Organic Framework Nanosheets Used as Biomimetic Catalysts for Cascade Reactions. *Advanced Materials*, **2017**, 29, 1700102	24	283
29	Preparation of Superhydrophilic and Underwater Superoleophobic Nanofiber-Based Meshes from Waste Glass for Multifunctional Oil/Water Separation. *Small*, **2017**, 13, 1700391	11	95
28	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. *Chemical Reviews*, **2017**, 117, 6225-6331	68.1	2919
27	Anodized Aluminum Oxide Templated Synthesis of Metal Organic Frameworks Used as Membrane Reactors. *Angewandte Chemie*, **2017**, 129, 593-596	3.6	15
26	Synthesis of WOn-WX2 (n=2.7, 2.9; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. *Angewandte Chemie*, **2017**, 129, 10622-10626	3.6	7
25	Synthesis of WO -WX (n=2.7, 2.9; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. *Angewandte Chemie - International Edition*, **2017**, 56, 10486-10490	16.4	20
24	Synthesis of Ultrathin PdCu Alloy Nanosheets Used as a Highly Efficient Electrocatalyst for Formic Acid Oxidation. *Advanced Materials*, **2017**, 29, 1700769	24	154
23	Edge Epitaxy of Two-Dimensional MoSe and MoS Nanosheets on One-Dimensional Nanowires. *Journal of the American Chemical Society*, **2017**, 139, 8653-8660	16.4	90
22	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. *Small*, **2016**, 12, 4669-74	11	88
21	Self-Assembly of Single-Layer CoAl-Layered Double Hydroxide Nanosheets on 3D Graphene Network Used as Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. *Advanced Materials*, **2016**, 28, 7640-5	24	296
20	Controlled growth of high-density CdS and CdSe nanorod arrays on selective facets of two-dimensional semiconductor nanoplates. *Nature Chemistry*, **2016**, 8, 470-5	17.6	142
19	Preparation of Single-Layer MoS(2x)Se2(1-x) and Mo(x)W(1-x)S2 Nanosheets with High-Concentration Metallic 1T Phase. *Small*, **2016**, 12, 1866-74	11	91
18	Surface Rutilization of Anatase TiO2 Nanorods for Creation of Synergistically Bridging and Fencing Electron Highways. *Advanced Functional Materials*, **2016**, 26, 456-465	15.6	42
17	Bioinspired Design of Ultrathin 2D Bimetallic Metal-Organic-Framework Nanosheets Used as Biomimetic Enzymes. *Advanced Materials*, **2016**, 28, 4149-55	24	320
16	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	11	61
15	One-Pot Synthesis of Highly Anisotropic Five-Fold-Twinned PtCu Nanoframes Used as a Bifunctional Electrocatalyst for Oxygen Reduction and Methanol Oxidation. *Advanced Materials*, **2016**, 28, 8712-8717	24	275
14	AuAg nanosheets assembled from ultrathin AuAg nanowires. *Journal of the American Chemical Society*, **2015**, 137, 1444-7	16.4	61
13	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, 10430-6	16.4	187

12	Controllable galvanic synthesis of triangular Ag-Pd alloy nanoframes for efficient electrocatalytic methanol oxidation. *Chemistry - A European Journal*, **2015**, 21, 8691-5	4.8	44
11	Liquid-phase epitaxial growth of two-dimensional semiconductor hetero-nanostructures. *Angewandte Chemie - International Edition*, **2015**, 54, 1841-5	16.4	79
10	Single-layer transition metal dichalcogenide nanosheet-based nanosensors for rapid, sensitive, and multiplexed detection of DNA. *Advanced Materials*, **2015**, 27, 935-9	24	275
9	One-pot synthesis of CdS nanocrystals hybridized with single-layer transition-metal dichalcogenide nanosheets for efficient photocatalytic hydrogen evolution. *Angewandte Chemie - International Edition*, **2015**, 54, 1210-4	16.4	519
8	Synthesis, properties and applications of one- and two-dimensional gold nanostructures. *Nano Research*, **2015**, 8, 40-55	10	84
7	One-pot Synthesis of CdS Nanocrystals Hybridized with Single-Layer Transition-Metal Dichalcogenide Nanosheets for Efficient Photocatalytic Hydrogen Evolution. *Angewandte Chemie*, **2015**, 127, 1226-1230	3.6	129
6	Liquid-Phase Epitaxial Growth of Two-Dimensional Semiconductor Hetero-nanostructures. *Angewandte Chemie*, **2015**, 127, 1861-1865	3.6	22
5	Preparation of MoS2–MoO3 Hybrid Nanomaterials for Light-Emitting Diodes. *Angewandte Chemie*, **2014**, 126, 12768-12773	3.6	30
4	Coating two-dimensional nanomaterials with metal-organic frameworks. *ACS Nano*, **2014**, 8, 8695-701	16.7	141
3	A universal method for preparation of noble metal nanoparticle-decorated transition metal dichalcogenide nanobelts. *Advanced Materials*, **2014**, 26, 6250-4	24	58
2	Water Splitting: Au Nanoparticle-Modified MoS2 Nanosheet-Based Photoelectrochemical Cells for Water Splitting (Small 17/2014). *Small*, **2014**, 10, 3536-3536	11	2
1	Periodic AuAg-Ag2S heterostructured nanowires. *Small*, **2014**, 10, 479-82	11	17