Qipeng Lu

List of Publications by Year in Descending Order

66 papers	6,674 citations	33 h-index	72 g-index
72 ext. papers	7,937 ext. citations	11.6 avg, IF	6.11 L-index

#	Paper	IF	Citations
66	Boosting Photocatalytic Hydrogen Production via Interfacial Engineering on 2D Ultrathin Z-Scheme ZnIn 2 S 4 /g-C 3 N 4 Heterojunction. *Advanced Functional Materials*, **2022**, 32, 2111740	15.6	11
65	Selective Epitaxial Growth of Rh Nanorods on 2H/ Heterophase Au Nanosheets to Form 1D/2D Rh-Au Heterostructures for Highly Efficient Hydrogen Evolution. *Journal of the American Chemical Society*, **2021**, 143, 4387-4396	16.4	24
64	Halloysite nanotube-based superhydrophobic foam for highly efficient oil/water separation. *Journal of the American Ceramic Society*, **2021**, 104, 5529-5536	3.8	4
63	Graded interface engineering of 3D/2D halide perovskite solar cells through ultrathin (PEA)2PbI4 nanosheets. *Chinese Chemical Letters*, **2021**, 32, 2259-2262	8.1	6
62	Quasi-Epitaxial Growth of Magnetic Nanostructures on 4H-Au Nanoribbons. *Advanced Materials*, **2021**, 33, e2007140	24	8
61	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
60	Pd-based intermetallic nanocrystals: From precise synthesis to electrocatalytic applications in fuel cells. *Coordination Chemistry Reviews*, **2021**, 445, 214085	23.2	12
59	Mo-ion doping evoked visible light response in TiO2 nanocrystals for highly-efficient removal of benzene. *Chemical Engineering Journal*, **2020**, 397, 125444	14.7	14
58	Au nanoparticles deposited on ultrathin two-dimensional covalent organic framework nanosheets for in vitro and intracellular sensing. *Nanoscale*, **2020**, 12, 7776-7781	7.7	18
57	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
56	Tunable thickness and band structure of SnO sheets for improved photocatalytic activity. *CrystEngComm*, **2020**, 22, 2219-2226	3.3	0
55	Synthesis of Palladium-Based Crystalline@Amorphous Core-Shell Nanoplates for Highly Efficient Ethanol Oxidation. *Advanced Materials*, **2020**, 32, e2000482	24	53
54	Self-Healing and Highly Stretchable Gelatin Hydrogel for Self-Powered Strain Sensor. *ACS Applied Materials & Interfaces*, **2020**, 12, 1558-1566	9.5	91
53	Intermetallic Nanocrystals: Bromide Ions Triggered Synthesis of Noble Metal‐Based Intermetallic Nanocrystals (Small 40/2020). *Small*, **2020**, 16, 2070219	11	0
52	Bromide Ions Triggered Synthesis of Noble Metal-Based Intermetallic Nanocrystals. *Small*, **2020**, 16, e2003782	13	13
51	Layered Transition Metal Dichalcogenide-Based Nanomaterials for Electrochemical Energy Storage. *Advanced Materials*, **2020**, 32, e1903826	24	174
50	Chlorine-Doped Graphene Quantum Dots with Enhanced Anti- and Pro-Oxidant Properties. *ACS Applied Materials & Interfaces*, **2019**, 11, 21822-21829	9.5	44

49	The formation mechanism of TiO2 polymorphs under hydrothermal conditions based on the structural evolution of [Ti(OH)h(H2O)6−h]4− monomers. *Journal of Materials Chemistry C*, **2019**, 7, 5764-5771	7.1	22
48	Photocatalytic synthesis of gold nanoparticles using TiO nanorods: a mechanistic investigation. *Physical Chemistry Chemical Physics*, **2019**, 21, 18753-18757	3.6	5
47	Towards efficient photocatalytic degradation of organic pollutants in hierarchical TiO/SnO p-n heterojunction under visible-light irradiation. *Nanotechnology*, **2019**, 30, 434001	3.4	7
46	Aging amorphous/crystalline heterophase PdCu nanosheets for catalytic reactions. *National Science Review*, **2019**, 6, 955-961	10.8	41
45	Unusual 4H-phase twinned noble metal nanokites. *Nature Communications*, **2019**, 10, 2881	17.4	15
44	Photoluminescence of graphene quantum dots doped with different elements. *Chinese Science Bulletin*, **2019**, 64, 411-418	2.9	7
43	Cadmium (48Cd). *World Scientific Series in Nanoscience and Nanotechnology*, **2019**, 485-528	0.1	
42	Synthesis of PdM (M = Zn, Cd, ZnCd) Nanosheets with an Unconventional Face-Centered Tetragonal Phase as Highly Efficient Electrocatalysts for Ethanol Oxidation. *ACS Nano*, **2019**, 13, 14329-14336	16.7	67
41	Exonuclease III-Regulated Target Cyclic Amplification-Based Single Nucleotide Polymorphism Detection Using Ultrathin Ternary Chalcogenide Nanosheets. *Frontiers in Chemistry*, **2019**, 7, 844	5	2
40	Metallic ruthenium-based nanomaterials for electrocatalytic and photocatalytic hydrogen evolution. *Journal of Materials Chemistry A*, **2019**, 7, 24691-24714	13	44
39	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
38	Synthesis of ultrathin two-dimensional organic–inorganic hybrid perovskite nanosheets for polymer field-effect transistors. *Journal of Materials Chemistry C*, **2018**, 6, 3945-3950	7.1	30
37	Crystal phase-based epitaxial growth of hybrid noble metal nanostructures on 4H/fcc Au nanowires. *Nature Chemistry*, **2018**, 10, 456-461	17.6	160
36	Dreidimensionale Architekturen aus Übergangsmetall-Dichalkogenid-Nanomaterialien zur elektrochemischen Energiespeicherung und -umwandlung. *Angewandte Chemie*, **2018**, 130, 634-655	3.6	33
35	Three-Dimensional Architectures Constructed from Transition-Metal Dichalcogenide Nanomaterials for Electrochemical Energy Storage and Conversion. *Angewandte Chemie - International Edition*, **2018**, 57, 626-646	16.4	305
34	Synthesis of Hierarchical 4H/fcc Ru Nanotubes for Highly Efficient Hydrogen Evolution in Alkaline Media. *Small*, **2018**, 14, e1801090	11	52
33	Syntheses and Properties of Metal Nanomaterials with Novel Crystal Phases. *Advanced Materials*, **2018**, 30, e1707189	24	103
32	Amorphous/Crystalline Hetero-Phase Pd Nanosheets: One-Pot Synthesis and Highly Selective Hydrogenation Reaction. *Advanced Materials*, **2018**, 30, e1803234	24	147

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	Ligand-free rutile and anatase TiO2 nanocrystals as electron extraction layers for high performance inverted polymer solar cells. *RSC Advances*, **2017**, 7, 20084-20092	3.7	71
28	Ultrathin Two-Dimensional Organic-Inorganic Hybrid Perovskite Nanosheets with Bright, Tunable Photoluminescence and High Stability. *Angewandte Chemie - International Edition*, **2017**, 56, 4252-4255	16.4	165
27	Preparation of Superhydrophilic and Underwater Superoleophobic Nanofiber-Based Meshes from Waste Glass for Multifunctional Oil/Water Separation. *Small*, **2017**, 13, 1700391	11	95
26	Anodized Aluminum Oxide Templated Synthesis of Metal□Organic Frameworks Used as Membrane Reactors. *Angewandte Chemie*, **2017**, 129, 593-596	3.6	15
25	Two-Dimensional Metal□Organic Framework Nanosheets. *Small Methods*, **2017**, 1, 1600030	12.8	283
24	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
23	Two-dimensional transition metal dichalcogenide nanomaterials for biosensing applications. *Materials Chemistry Frontiers*, **2017**, 1, 24-36	7.8	130
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	2D Transition-Metal-Dichalcogenide-Nanosheet-Based Composites for Photocatalytic and Electrocatalytic Hydrogen Evolution Reactions. *Advanced Materials*, **2016**, 28, 1917-33	24	977
19	Photocatalytic Surface-Initiated Polymerization on TiO2 toward Well-Defined Composite Nanostructures. *ACS Applied Materials & Interfaces*, **2016**, 8, 538-46	9.5	28
18	Bioinspired Design of Ultrathin 2D Bimetallic Metal-Organic-Framework Nanosheets Used as Biomimetic Enzymes. *Advanced Materials*, **2016**, 28, 4149-55	24	320
17	Synthesis of Two-Dimensional CoS1.097/Nitrogen-Doped Carbon Nanocomposites Using Metal-Organic Framework Nanosheets as Precursors for Supercapacitor Application. *Journal of the American Chemical Society*, **2016**, 138, 6924-7	16.4	485
16	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
15	Electrical bistable devices using composites of zinc sulfide nanoparticles and poly-(N-vinylcarbazole). *Chinese Physics B*, **2015**, 24, 037201	1.2	2
14	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

13	Self-Assembled TiO2 Nanorods as Electron Extraction Layer for High-Performance Inverted Polymer Solar Cells. *Chemistry of Materials*, **2015**, 27, 44-52	9.6	31
12	Magnetochromatic thin-film microplates. *Advanced Materials*, **2015**, 27, 86-92	24	24
11	Ultrathin 2D Metal-Organic Framework Nanosheets. *Advanced Materials*, **2015**, 27, 7372-8	24	684
10	Enhanced amplified spontaneous emission from morphology-controlled organic–inorganic halide perovskite films. *RSC Advances*, **2015**, 5, 103674-103679	3.7	23
9	Controlled synthesis and defect dependent upconversion luminescence of Y2O3: Yb, Er nanoparticles. *Journal of Applied Physics*, **2014**, 115, 074309	2.5	13
8	Graphene-based materials: fabrication and application for adsorption in analytical chemistry. *Journal of Chromatography A*, **2014**, 1362, 1-15	4.5	124
7	Negative differential resistance and carrier transport of electrically bistable devices based on poly(N-vinylcarbazole)-silver sulfide composites. *Nanoscale Research Letters*, **2014**, 9, 128	5	19
6	Effects of acetone-soaking treatment on the performance of polymer solar cells based on P3HT/PCBM bulk heterojunction. *Chinese Physics B*, **2014**, 23, 118802	1.2	5
5	Magnetic tuning of plasmonic excitation of gold nanorods. *Journal of the American Chemical Society* , **2013**, 135, 15302-5	16.4	77
4	Photocatalytic synthesis and photovoltaic application of Ag-TiO2 nanorod composites. *Nano Letters* , **2013**, 13, 5698-702	11.5	162
3	Synthesis of porous Y2O3:Er plates with enhanced upconversion luminescence properties. *Materials Letters*, **2013**, 99, 115-117	3.3	9
2	Upconversion multicolor tuning: Red to green emission from Y2O3:Er, Yb nanoparticles by calcination. *Applied Physics Letters*, **2013**, 102, 233103	3.4	30
1	Synthesis and characterization of Y2O3:Er3+ upconversion materials with nanoporous structures. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 9671-5	1.3	5