

# Qipeng Lu

## List of Publications by Year in descending order

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69  
papers

9,250  
citations

94381

37  
h-index

91828

69  
g-index

72  
all docs

72  
docs citations

72  
times ranked

13649  
citing authors

#	ARTICLE	IF	CITATIONS
1	2D Transitionâ€Metalâ€Dichalcogenideâ€Nanosheetâ€Based Composites for Photocatalytic and Electrocatalytic Hydrogen Evolution Reactions. <i>Advanced Materials</i> , 2016, 28, 1917-1933.	11.1	1,214
2	Ultrathin 2D Metalâ€Organic Framework Nanosheets. <i>Advanced Materials</i> , 2015, 27, 7372-7378.	11.1	943
3	Synthesis of Two-Dimensional CoS <sub>1.097</sub> /Nitrogen-Doped Carbon Nanocomposites Using Metalâ€Organic Framework Nanosheets as Precursors for Supercapacitor Application. <i>Journal of the American Chemical Society</i> , 2016, 138, 6924-6927.	6.6	591
4	Bioinspired Design of Ultrathin 2D Bimetallic Metalâ€Organic Framework Nanosheets Used as Biomimetic Enzymes. <i>Advanced Materials</i> , 2016, 28, 4149-4155.	11.1	440
5	Threeâ€Dimensional Architectures Constructed from Transitionâ€Metal Dichalcogenide Nanomaterials for Electrochemical Energy Storage and Conversion. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 626-646.	7.2	398
6	Growth of Au Nanoparticles on 2D Metalloporphyrinic Metalâ€Organic Framework Nanosheets Used as Biomimetic Catalysts for Cascade Reactions. <i>Advanced Materials</i> , 2017, 29, 1700102.	11.1	384
7	Twoâ€Dimensional Metalâ€Organic Framework Nanosheets. <i>Small Methods</i> , 2017, 1, 1600030.	4.6	364
8	Selfâ€Assembly of Singleâ€Layer CoAlâ€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
9	Oneâ€Pot Synthesis of Highly Anisotropic Fiveâ€Foldâ€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
10	Layered Transition Metal Dichalcogenideâ€Based Nanomaterials for Electrochemical Energy Storage. <i>Advanced Materials</i> , 2020, 32, e1903826.	11.1	329
11	Amorphous/Crystalline Heteroâ€Phase Pd Nanosheets: Oneâ€Pot Synthesis and Highly Selective Hydrogenation Reaction. <i>Advanced Materials</i> , 2018, 30, e1803234.	11.1	231
12	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
13	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
14	Ultrathin Twoâ€Dimensional Organicâ€Inorganic Hybrid Perovskite Nanosheets with Bright, Tunable Photoluminescence and High Stability. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4252-4255.	7.2	206
15	Ag@MoS <sub>2</sub> Coreâ€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
16	Self-Healing and Highly Stretchable Gelatin Hydrogel for Self-Powered Strain Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 1558-1566.	4.0	174
17	Photocatalytic Synthesis and Photovoltaic Application of Ag-TiO <sub>2</sub> Nanorod Composites. <i>Nano Letters</i> , 2013, 13, 5698-5702.	4.5	173
18	Two-dimensional transition metal dichalcogenide nanomaterials for biosensing applications. <i>Materials Chemistry Frontiers</i> , 2017, 1, 24-36.	3.2	173

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19	Syntheses and Properties of Metal Nanomaterials with Novel Crystal Phases. <i>Advanced Materials</i> , 2018, 30, e1707189.	11.1	148
20	Boosting Photocatalytic Hydrogen Production via Interfacial Engineering on 2D Ultrathin ZnIn <sub>2</sub> S <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> Heterojunction. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	147
21	Ligand-free rutile and anatase TiO <sub>2</sub> nanocrystals as electron extraction layers for high performance inverted polymer solar cells. <i>RSC Advances</i> , 2017, 7, 20084-20092.	1.7	135
22	Graphene-based materials: Fabrication and application for adsorption in analytical chemistry. <i>Journal of Chromatography A</i> , 2014, 1362, 1-15.	1.8	133
23	Synthesis of PdM (M = Zn, Cd, ZnCd) Nanosheets with an Unconventional Face-Centered Tetragonal Phase as Highly Efficient Electrocatalysts for Ethanol Oxidation. <i>ACS Nano</i> , 2019, 13, 14329-14336.	7.3	133
24	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
25	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
26	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. <i>Small</i> , 2016, 12, 4669-4674.	5.2	101
27	Magnetic Tuning of Plasmonic Excitation of Gold Nanorods. <i>Journal of the American Chemical Society</i> , 2013, 135, 15302-15305.	6.6	98
28	Synthesis of Palladium-Based Crystalline@Amorphous Core-Shell Nanoplates for Highly Efficient Ethanol Oxidation. <i>Advanced Materials</i> , 2020, 32, e2000482.	11.1	98
29	Synthesis of Hierarchical 4H/fcc Ru Nanotubes for Highly Efficient Hydrogen Evolution in Alkaline Media. <i>Small</i> , 2018, 14, e1801090.	5.2	80
30	Metallic ruthenium-based nanomaterials for electrocatalytic and photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24691-24714.	5.2	80
31	Chlorine-Doped Graphene Quantum Dots with Enhanced Anti- and Pro-Oxidant Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 21822-21829.	4.0	77
32	Aging amorphous/crystalline heterophase PdCu nanosheets for catalytic reactions. <i>National Science Review</i> , 2019, 6, 955-961.	4.6	75
33	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
34	Selective Epitaxial Growth of Rh Nanorods on 2H/fcc Heterophase Au Nanosheets to Form 1D/2D Rh@Au Heterostructures for Highly Efficient Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2021, 143, 4387-4396.	6.6	56
35	Pd-based intermetallic nanocrystals: From precise synthesis to electrocatalytic applications in fuel cells. <i>Coordination Chemistry Reviews</i> , 2021, 445, 214085.	9.5	53
36	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

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37	Dreidimensionale Architekturen aus Übergangsmetall-Dichalkogenid-Nanomaterialien zur elektrochemischen Energiespeicherung und -umwandlung. <i>Angewandte Chemie</i> , 2018, 130, 634-655.	1.6	37
38	Synthesis of ultrathin two-dimensional organic-inorganic hybrid perovskite nanosheets for polymer field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3945-3950.	2.7	36
39	Upconversion multicolor tuning: Red to green emission from Y <sub>2</sub> O <sub>3</sub> :Er, Yb nanoparticles by calcination. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	33
40	Self-Assembled TiO <sub>2</sub> Nanorods as Electron Extraction Layer for High-Performance Inverted Polymer Solar Cells. <i>Chemistry of Materials</i> , 2015, 27, 44-52.	3.2	33
41	Au nanoparticles deposited on ultrathin two-dimensional covalent organic framework nanosheets for <i>in vitro</i> and intracellular sensing. <i>Nanoscale</i> , 2020, 12, 7776-7781.	2.8	33
42	The formation mechanism of TiO <sub>2</sub> polymorphs under hydrothermal conditions based on the structural evolution of [Ti(OH) <sub>h</sub> (H <sub>2</sub> O) <sub>6-h</sub> ] <sup>4+</sup> monomers. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5764-5771.	2.7	32
43	Photocatalytic Surface-Initiated Polymerization on TiO <sub>2</sub> toward Well-Defined Composite Nanostructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 538-546.	4.0	31
44	Magnetochromatic Thin-Film Microplates. <i>Advanced Materials</i> , 2015, 27, 86-92.	11.1	27
45	Unusual 4H-phase twinned noble metal nanokites. <i>Nature Communications</i> , 2019, 10, 2881.	5.8	25
46	Enhanced amplified spontaneous emission from morphology-controlled organic-inorganic halide perovskite films. <i>RSC Advances</i> , 2015, 5, 103674-103679.	1.7	23
47	Graded interface engineering of 3D/2D halide perovskite solar cells through ultrathin (PEA) <sub>2</sub> PbI <sub>4</sub> nanosheets. <i>Chinese Chemical Letters</i> , 2021, 32, 2259-2262.	4.8	23
48	Crystal facet-dependent electrocatalytic performance of metallic Cu in CO <sub>2</sub> reduction reactions. <i>Chinese Chemical Letters</i> , 2022, 33, 3641-3649.	4.8	23
49	Mo-ion doping evoked visible light response in TiO <sub>2</sub> nanocrystals for highly-efficient removal of benzene. <i>Chemical Engineering Journal</i> , 2020, 397, 125444.	6.6	22
50	Negative differential resistance and carrier transport of electrically bistable devices based on poly(N-vinylcarbazole)-silver sulfide composites. <i>Nanoscale Research Letters</i> , 2014, 9, 128.	3.1	21
51	Bromide Ions Triggered Synthesis of Noble Metal-Based Intermetallic Nanocrystals. <i>Small</i> , 2020, 16, 2003782.	5.2	21
52	Anodized Aluminum Oxide Templated Synthesis of Metal-Organic Frameworks Used as Membrane Reactors. <i>Angewandte Chemie</i> , 2017, 129, 593-596.	1.6	18
53	Quasi-Epitaxial Growth of Magnetic Nanostructures on 4H-Au Nanoribbons. <i>Advanced Materials</i> , 2021, 33, e2007140.	11.1	18
54	Controlled synthesis and defect dependent upconversion luminescence of Y <sub>2</sub> O <sub>3</sub> : Yb, Er nanoparticles. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	16

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55	Filling Mesopores of Conductive Metal-Organic Frameworks with Cu Clusters for Selective Nitrate Reduction to Ammonia. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 32176-32182.	4.0	16
56	Towards efficient photocatalytic degradation of organic pollutants in hierarchical TiO <sub>2</sub> /SnO <sub>2</sub> heterojunction under visible-light irradiation. <i>Nanotechnology</i> , 2019, 30, 434001.	1.3	12
57	Synthesis of porous Y <sub>2</sub> O <sub>3</sub> :Er plates with enhanced upconversion luminescence properties. <i>Materials Letters</i> , 2013, 99, 115-117.	1.3	11
58	Preparation of CdS <sub>1-x</sub> Se <sub>x</sub> Heterostructures via Cation Exchange of Pre-Epitaxially Synthesized Cu <sub>2</sub> S <sub>1-x</sub> Te <sub>x</sub> for Photocatalytic Hydrogen Evolution. <i>Small</i> , 2021, 17, e2006135.	5.2	11
59	Photoluminescence of graphene quantum dots doped with different elements. <i>Chinese Science Bulletin</i> , 2019, 64, 411-418.	0.4	10
60	Photocatalytic synthesis of gold nanoparticles using TiO <sub>2</sub> nanorods: a mechanistic investigation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 18753-18757.	1.3	9
61	Effects of acetone-soaking treatment on the performance of polymer solar cells based on P3HT/PCBM bulk heterojunction. <i>Chinese Physics B</i> , 2014, 23, 118802.	0.7	8
62	Halloysite nanotube-based superhydrophobic foam for highly efficient oil/water separation. <i>Journal of the American Ceramic Society</i> , 2021, 104, 5529-5536.	1.9	8
63	Synthesis and Characterization of Y <sub>2</sub> O <sub>3</sub> :Er <sup>3+</sup> Upconversion Materials with Nanoporous Structures. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 9671-9675.	0.9	6
64	Intermetallic Nanocrystals: Bromide Ions Triggered Synthesis of Noble Metal-Based Intermetallic Nanocrystals (Small 40/2020). <i>Small</i> , 2020, 16, 2070219.	5.2	3
65	Tunable thickness and band structure of SnO sheets for improved photocatalytic activity. <i>CrystEngComm</i> , 2020, 22, 2219-2226.	1.3	3
66	Electrical bistable devices using composites of zinc sulfide nanoparticles and poly-(N-vinylcarbazole). <i>Chinese Physics B</i> , 2015, 24, 037201.	0.7	2
67	Exonuclease III-Regulated Target Cyclic Amplification-Based Single Nucleotide Polymorphism Detection Using Ultrathin Ternary Chalcogenide Nanosheets. <i>Frontiers in Chemistry</i> , 2019, 7, 844.	1.8	2
68	A Single Molecule Electromer Emitting Compound with Enhanced Hole Transporting Property for Organic Light Emitting Devices. <i>Science of Advanced Materials</i> , 2015, 7, 2436-2440.	0.1	0
69	Cadmium ( <sup>48</sup> Cd). <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2019, , 485-528.	0.1	0