Lin Jiang

List of Publications by Year in descending order

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		57719	40954
115	8,963	44	93
papers	citations	h-index	g-index

120	120	120	15544
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rational Design of Plasmonic Metal Nanostructures for Solar Energy Conversion. CCS Chemistry, 2022, 4, 1153-1168.	4.6	27
2	Oxygenâ€Tolerant RAFT Polymerization Catalyzed by a Recyclable Biomimetic Mineralization Enhanced Biological Cascade System. Macromolecular Rapid Communications, 2022, 43, e2100559.	2.0	13
3	Localized surface plasmon resonance enhanced electrochemical nitrogen reduction reaction. Applied Catalysis B: Environmental, 2022, 301, 120808.	10.8	20
4	Self-generating nanogaps for highly effective surface-enhanced Raman spectroscopy. Nano Research, 2022, 15, 3496-3503.	5.8	5
5	Tailoring the Salt Transport Flux of Solar Evaporators for a Highly Effective Salt-Resistant Desalination with High Productivity. ACS Nano, 2022, 16, 2511-2520.	7.3	64
6	Engineering Surface Plasmons in Metal/Nonmetal Structures for Highly Desirable Plasmonic Photodetectors. , 2022, 4, 343-355.		19
7	Beyond Skin Pressure Sensing: 3D Printed Laminated Graphene Pressure Sensing Material Combines Extremely Low Detection Limits with Wide Detection Range. Advanced Functional Materials, 2022, 32, .	7.8	54
8	Facile and Surfactantâ€Free Routed Spherical Au@Pt Coreâ€“Shellâ€“Satellite Nanoparticles as Highâ€Efficient and Stable Electrocatalyst for Methanol Oxidation. Energy Technology, 2022, 10, .	1.8	4
9	3D-printed endoplasmic reticulum rGO microstructure based self-powered triboelectric pressure sensor. Chemical Engineering Journal, 2022, 445, 136821.	6.6	28
10	Quasi-3-D Au mushrooms with programmable morphology for high-capacity flexible plasmonic encoding. Science China Materials, 2022, 65, 2227-2234.	3.5	2
11	PdAg Nanoparticles with Different Sizes: Facile Oneâ€Step Synthesis and High Electrocatalytic Activity for Formic Acid Oxidation. Chemistry - an Asian Journal, 2021, 16, 34-38.	1.7	9
12	In-situ phase transition induced nanoheterostructure for overall water splitting. Chemical Engineering Journal, 2021, 409, 128156.	6.6	19
13	A large scaled-up monocrystalline 3R MoS₂ electrocatalyst for efficient nitrogen reduction reactions. New Journal of Chemistry, 2021, 45, 2488-2495.	1.4	15
14	Vertical 3D Printed Forestâ€Inspired Hierarchical Plasmonic Superstructure for Photocatalysis. Advanced Functional Materials, 2021, 31, 2100768.	7.8	17
15	Printed Honeycomb-Structured Reduced Graphene Oxide Film for Efficient and Continuous Evaporation-Driven Electricity Generation from Salt Solution. ACS Applied Materials & Interfaces, 2021, 13, 26989-26997.	4.0	42
16	3D Anisotropic Au@Ptâ€“Pd Hemispherical Nanostructures as Efficient Electrocatalysts for Methanol, Ethanol, and Formic Acid Oxidation Reaction. Advanced Materials, 2021, 33, e2100713.	11.1	87
17	Plasmonic Metal Nanostructures as Efficient Light Absorbers for Solar Water Splitting. Advanced Energy and Sustainability Research, 2021, 2, 2100092.	2.8	11
18	Woodâ€Inspired Binder Enabled Vertical 3D Printing of gâ€C₃N₄/CNT Arrays for Highly Efficient Photoelectrochemical Hydrogen Evolution. Advanced Functional Materials, 2021, 31, 2105045.	7.8	34

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19	In Situ Growth of Co₂P Nanocrystal on g-C₃N₄ for Efficient and Stable Photocatalytic Hydrogen Evolution. Energy & Fuels, 2021, 35, 1859-1865.	2.5	16
20	A conductive polyacrylamide hydrogel enabled by dispersion-enhanced MXene@chitosan assembly for highly stretchable and sensitive wearable skin. Journal of Materials Chemistry B, 2021, 9, 8862-8870.	2.9	25
21	A highly active three-dimensional Z-scheme ZnO/Au/g-C3N4 photocathode for efficient photoelectrochemical water splitting. Applied Catalysis B: Environmental, 2020, 263, 118180.	10.8	126
22	3D Printing of Powderâ€Based Inks into Functional Hierarchical Porous TiO₂ Materials. Advanced Engineering Materials, 2020, 22, 1901088.	1.6	26
23	In situ decorated Ni₂P nanocrystal co-catalysts on g-C₃N₄ for efficient and stable photocatalytic hydrogen evolution via a facile co-heating method. Journal of Materials Chemistry A, 2020, 8, 2995-3004.	5.2	68
24	A Ni2P nanocrystal cocatalyst enhanced TiO2 photoanode towards highly efficient photoelectrochemical water splitting. Chemical Engineering Journal, 2020, 385, 123878.	6.6	71
25	Growing Inâ€Plane Multiplex Plasmonic Arrays for Synergistic Enhanced Photocurrent Response. Advanced Materials Interfaces, 2020, 7, 1900966.	1.9	4
26	Threeâ€Phase Electrolysis by Gold Nanoparticle on Hydrophobic Interface for Enhanced Electrochemical Nitrogen Reduction Reaction. Advanced Science, 2020, 7, 2002630.	5.6	69
27	Lithographical Fabrication of Organic Single-Crystal Arrays by Area-Selective Growth and Solvent Vapor Annealing. ACS Applied Materials & Interfaces, 2020, 12, 48854-48860.	4.0	12
28	150Ânm Ã— 200Ânm Crossâ€Point Hexagonal Boron Nitrideâ€Based Memristors. Advanced Electronic Materials, 2020, 6, 1900115.	2.6	22
29	Spatial Distribution Recast for Organic Bulk Heterojunctions for Highâ€Performance Allâ€Inorganic Perovskite/Organic Integrated Solar Cells. Advanced Energy Materials, 2020, 10, 2000851.	10.2	34
30	Scalable neutral H2O2 electrosynthesis by platinum diphosphide nanocrystals by regulating oxygen reduction reaction pathways. Nature Communications, 2020, 11, 3928.	5.8	101
31	Resonant modes of reflecting gratings engineered for multimodal sensing. APL Photonics, 2020, 5, 076108.	3.0	14
32	3D Printed Mechanically Robust Graphene/CNT Electrodes for Highly Efficient Overall Water Splitting. Advanced Materials, 2020, 32, e1908201.	11.1	84
33	Pd Nanoparticle-Decorated 3D-Printed Hierarchically Porous TiO₂ Scaffolds for the Efficient Reduction of a Highly Concentrated 4-Nitrophenol Solution. ACS Applied Materials & Interfaces, 2020, 12, 28100-28109.	4.0	69
34	Micro Organic Light Emitting Diode Arrays by Patterned Growth on Structured Polypyrrole. Advanced Optical Materials, 2020, 8, 1902105.	3.6	19
35	Plasmonic Nanoparticle Film for Low-Power NIR-Enhanced Photocatalytic Reaction. ACS Applied Materials & Interfaces, 2020, 12, 16753-16761.	4.0	12
36	Multiplexed Assembly of Plasmonic Nanostructures Through Charge Inversion on Substrate for Surface Encoding. ACS Applied Materials & Interfaces, 2020, 12, 6176-6182.	4.0	14

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37	Coral-like PdCu Alloy Nanoparticles Act as Stable Electrocatalysts for Highly Efficient Formic Acid Oxidation. ACS Sustainable Chemistry and Engineering, 2019, 7, 15354-15360.	3.2	34
38	3D Printing of Ultralight Biomimetic Hierarchical Graphene Materials with Exceptional Stiffness and Resilience. Advanced Materials, 2019, 31, e1902930.	11.1	130
39	Double-sided asymmetric surface modification of ZnO interfacial layer to enhance performance in organic solar cells. Applied Physics Letters, 2019, 115, .	1.5	3
40	Multishelled Hollow Structures of Yttrium Oxide for the Highly Selective and Ultrasensitive Detection of Methanol. Small, 2019, 15, e1804688.	5.2	22
41	Nanostructured hexagonal ReO₃ with oxygen vacancies for efficient electrocatalytic hydrogen generation. Nanotechnology, 2019, 30, 355701.	1.3	12
42	Ultrahigh Field Enhancement Optimization Versus Rabi Splitting Investigated Using Au Nano-Bipyramids on Metal Films. Journal of Physical Chemistry C, 2019, 123, 12984-12996.	1.5	17
43	Coordination competition-driven synthesis of triple-shell hollow Î±-Fe2O3 microspheres for lithium ion batteries. Electrochimica Acta, 2019, 306, 151-158.	2.6	22
44	Tapeâ€Imprinted Hierarchical Lotus Seedpodâ€Like Arrays for Extraordinary Surfaceâ€Enhanced Raman Spectroscopy. Small, 2019, 15, e1804527.	5.2	38
45	Plasmonic nanoparticle-film-assisted photoelectrochemical catalysis across the entire visible-NIR region. Nanoscale, 2019, 11, 23058-23064.	2.8	10
46	One-step integration of a multiple-morphology gold nanoparticle array on a TiO₂filmviaa facile sonochemical method for highly efficient organic photovoltaics. Journal of Materials Chemistry A, 2018, 6, 8419-8429.	5.2	11
47	Fabrication of tunable aluminum nanodisk arrays via a self-assembly nanoparticle template method and their applications for performance enhancement in organic photovoltaics. Journal of Materials Chemistry A, 2018, 6, 3649-3658.	5.2	9
48	Interface Engineering of Colloidal CdSe Quantum Dot Thin Films as Acid-Stable Photocathodes for Solar-Driven Hydrogen Evolution. ACS Applied Materials & Interfaces, 2018, 10, 17129-17139.	4.0	11
49	Highâ€Yield Synthesis of Au@Ag Right Bipyramids and Selfâ€Assembly into Fourâ€Leafâ€Cloverâ€like Structures. Particle and Particle Systems Characterization, 2018, 35, 1700114.	1.2	8
50	Uniform and reproducible plasmon-enhanced fluorescence substrate based on PMMA-coated, large-area Au@Ag nanorod arrays. Nano Research, 2018, 11, 953-965.	5.8	38
51	Positioning growth of NPB crystalline nanowires on the PTCDA nanocrystal template. Nanoscale, 2018, 10, 10262-10267.	2.8	9
52	Programmable Negative Differential Resistance Effects Based on Selfâ€Assembled Au@PPy Coreâ€“Shell Nanoparticle Arrays. Advanced Materials, 2018, 30, e1802731.	11.1	58
53	Tunable random lasing behavior in plasmonic nanostructures. Nano Convergence, 2017, 4, 1.	6.3	54
54	Morphological effects on the selectivity of intramolecular versus intermolecular catalytic reaction on Au nanoparticles. Nanoscale, 2017, 9, 7727-7733.	2.8	17

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55	Lasing behavior of surface functionalized carbon quantum dot/RhB composites. Nanoscale, 2017, 9, 5049-5054.	2.8	21
56	Platinum-nickel hydroxide nanocomposites for electrocatalytic reduction of water. Nano Energy, 2017, 31, 456-461.	8.2	119
57	Stamp recyclable contact printing of liquid droplet matrix on various surfaces. Journal of Materials Chemistry C, 2017, 5, 10971-10975.	2.7	3
58	Modulating the Spatial Electrostatic Potential for 1D Colloidal Nanoparticles Assembly. Advanced Materials Interfaces, 2017, 4, 1700505.	1.9	12
59	A self-supporting bimetallic Au@Pt core-shell nanoparticle electrocatalyst for the synergistic enhancement of methanol oxidation. Scientific Reports, 2017, 7, 6347.	1.6	56
60	Chemically tunable photoresponse of ultrathin polypyrrole. Nanoscale, 2017, 9, 7760-7764.	2.8	24
61	Neutral Mononuclear Copper(I) Complexes: Synthesis, Crystal Structures, and Photophysical Properties. Inorganic Chemistry, 2016, 55, 5845-5852.	1.9	45
62	A facile method for fabrication of highly integrated organic field-effect transistors on photoresist-unwettable insulators with remarkable stability. Organic Electronics, 2016, 34, 104-110.	1.4	4
63	Facile Fabrication of Highâ€Density Subâ€1â€nm Gaps from Au Nanoparticle Monolayers as Reproducible SERS Substrates. Advanced Functional Materials, 2016, 26, 8137-8145.	7.8	143
64	Scalable Fabrication of Multiplexed Plasmonic Nanoparticle Structures Based on AFM Lithography. Small, 2016, 12, 5818-5825.	5.2	25
65	Colloidal Synthesis and Applications of Plasmonic Metal Nanoparticles. Advanced Materials, 2016, 28, 10508-10517.	11.1	128
66	Enhanced Photoresponse of Conductive Polymer Nanowires Embedded with Au Nanoparticles. Advanced Materials, 2016, 28, 2978-2982.	11.1	45
67	Spectral plasmonic effect in the nano-cavity of dye-doped nanosphere-based photonic crystals. Nanotechnology, 2016, 27, 165703.	1.3	12
68	Enabling Light Work in Helical Self-Assembly for Dynamic Amplification of Chirality with Photoreversibility. Journal of the American Chemical Society, 2016, 138, 2219-2224.	6.6	142
69	Highly Sensitive Electroâ€Plasmonic Switches Based on Fivefold Stellate Polyhedral Gold Nanoparticles. Small, 2015, 11, 5395-5401.	5.2	14
70	Optimizing the Volmer Step by Single-Layer Nickel Hydroxide Nanosheets in Hydrogen Evolution Reaction of Platinum. ACS Catalysis, 2015, 5, 3801-3806.	5.5	142
71	Conductance measurements of individual polypyrrole nanobelts. Nanoscale, 2015, 7, 2301-2305.	2.8	3
72	Towards active plasmonic response devices. Nano Research, 2015, 8, 406-417.	5.8	51

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73	Enabling low amounts of YAG:Ce³⁺to convert blue into white light with plasmonic Au nanoparticles. Nanoscale, 2015, 7, 10350-10356.	2.8	28
74	ZnO cathode buffer layers for inverted polymer solar cells. Energy and Environmental Science, 2015, 8, 3442-3476.	15.6	279
75	Enabling low amounts of YAG:Ce3+ to convert blue into white light with plasmonic Au nanoparticlesâ€. , 2015, , .		1
76	Spatially Confined Assembly of Nanoparticles. Accounts of Chemical Research, 2014, 47, 3009-3017.	7.6	98
77	Plasmonic Enhanced Optoelectronic Devices. Plasmonics, 2014, 9, 859-866.	1.8	100
78	3D core/shell hierarchies of MnOOH ultrathin nanosheets grown on NiO nanosheet arrays for high-performance supercapacitors. Nano Energy, 2014, 4, 56-64.	8.2	83
79	Synergistic Modulation of Surface Interaction to Assemble Metal Nanoparticles into Twoâ€Dimensional Arrays with Tunable Plasmonic Properties. Small, 2014, 10, 609-616.	5.2	51
80	Highâ€Performance and Tailorable Pressure Sensor Based on Ultrathin Conductive Polymer Film. Small, 2014, 10, 1466-1472.	5.2	189
81	Ni(OH)₂/CoO/reduced graphene oxide composites with excellent electrochemical properties. Journal of Materials Chemistry A, 2013, 1, 478-481.	5.2	68
82	A colorimetric logic gate based on free gold nanoparticles and the coordination strategy between melamine and mercury ions. Chemical Communications, 2013, 49, 4196-4198.	2.2	121
83	Visible Photoresponse of Singleâ€Layer Graphene Decorated with TiO₂ Nanoparticles. Small, 2013, 9, 2076-2080.	5.2	58
84	Phase-controlled synthesis and photocatalytic properties of SnS, SnS2 and SnS/SnS2 heterostructure nanocrystals. Materials Research Bulletin, 2013, 48, 2325-2332.	2.7	87
85	Excellent electrical conductivity of the exfoliated and fluorinated hexagonal boron nitride nanosheets. Nanoscale Research Letters, 2013, 8, 49.	3.1	109
86	Colorimetric Detection of Mercury Ions Based on Plasmonic Nanoparticles. Small, 2013, 9, 1467-1481.	5.2	255
87	Synthesis of Fivefold Stellate Polyhedral Gold Nanoparticles with {110}â€Facets via a Seedâ€Mediated Growth Method. Small, 2013, 9, 705-710.	5.2	43
88	A method for joining individual graphene sheets. Carbon, 2012, 50, 4965-4972.	5.4	21
89	Heterostructures of vertical, aligned and dense SnO2 nanorods on graphene sheets: in situ TEM measured mechanical, electrical and field emission properties. Journal of Materials Chemistry, 2012, 22, 19196.	6.7	29
90	Colorimetric Chemodosimeter Based on Diazoniumâ€“Goldâ€Nanoparticle Complexes for Sulfite Ion Detection in Solution. Small, 2012, 8, 3412-3416.	5.2	53

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91	Phase-controlled synthesis and gas-sensing properties of zinc stannate (ZnSnO3 and Zn2SnO4) faceted solid and hollow microcrystals. CrystEngComm, 2012, 14, 2172.	1.3	89
92	Free-standing one-dimensional plasmonic nanostructures. Nanoscale, 2012, 4, 66-75.	2.8	46
93	Chemical Reaction on a Solid Surface with Nanoconfined Geometry. Small, 2012, 8, 333-335.	5.2	10
94	Single-Layer MoS₂Phototransistors. ACS Nano, 2012, 6, 74-80.	7.3	3,103
95	Highâ€Performance and Stable Organic Transistors and Circuits with Patterned Polypyrrole Electrodes. Advanced Materials, 2012, 24, 2159-2164.	11.1	50
96	The Electrode's Effect on the Stability of Organic Transistors and Circuits. Advanced Materials, 2012, 24, 3053-3058.	11.1	24
97	Buffer-Layer-Assisted Epitaxial Growth of Perfectly Aligned Oxide Nanorod Arrays in Solution. Crystal Growth and Design, 2011, 11, 4885-4891.	1.4	17
98	Patterning of Plasmonic Nanoparticles into Multiplexed One-Dimensional Arrays Based on Spatially Modulated Electrostatic Potential. ACS Nano, 2011, 5, 8288-8294.	7.3	62
99	Flexible Colorimetric Detection of Mercuric Ion by Simply Mixing Nanoparticles and Oligopeptides. Small, 2011, 7, 1407-1411.	5.2	82
100	Nanoscaled Surface Patterning of Conducting Polymers. Small, 2011, 7, 1309-1321.	5.2	64
101	Enhanced Electrical Conductivity of Individual Conducting Polymer Nanobelts. Small, 2011, 7, 1949-1953.	5.2	37
102	Proteinâ€Based Memristive Nanodevices. Small, 2011, 7, 3016-3020.	5.2	67
103	Semiconductive, Oneâ€Dimensional, Selfâ€Assembled Nanostructures Based on Oligopeptides with Ïâ€Conjugated Segments. Chemistry - A European Journal, 2011, 17, 4746-4749.	1.7	35
104	Oneâ€Dimensional Arrangement of Gold Nanoparticles with Tunable Interparticle Distance. Small, 2009, 5, 2819-2822.	5.2	75
105	pH-dependent aggregation of citrate-capped Au nanoparticles induced by Cu2+ ions: The competition effect of hydroxyl groups with the carboxyl groups. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 346, 216-220.	2.3	38
106	Conversion Between Two-Dimensional Square and Hexagonal Close-Packed Architectures in Aggregates of Au Nanoparticles Mediated by Bending DNA Linkers. Journal of Nanoscience and Nanotechnology, 2009, 9, 2055-2060.	0.9	0
107	pH-dependent response of citrate capped Au nanoparticle to Pb2+ ion. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 325, 194-197.	2.3	32
108	pH-Dependent Aggregation of Histidine-Functionalized Au Nanoparticles Induced by Fe³⁺ Ions. Journal of Physical Chemistry C, 2008, 112, 3267-3271.	1.5	37

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109	Assembly of Au Nanoparticles with Anisotropic Optical Property Directed by 2â€²-Phosphorothioate Oligo-DNA. Chinese Journal of Chemistry, 2005, 23, 1143-1145.	2.6	5
110	The coordination sites of phosphorothioate OligoG10 with Cd2+ and CdS nanoparticles. New Journal of Chemistry, 2003, 27, 823-826.	1.4	8
111	Cadmium ion induced bending of phosphorothioate oligonucleotide G10. Physical Chemistry Chemical Physics, 2003, 5, 632-634.	1.3	1
112	DNA-Templated Formation of Needle-like CdS Nanoparticles in Langmuir-Blodgett Film. Molecular Crystals and Liquid Crystals, 2001, 371, 49-52.	0.3	0
113	Preparation of titanium dioxide and barium titanate nanothick film by Langmuirâ€“Blodgett technique. Thin Solid Films, 2000, 379, 218-223.	0.8	11
114	Strategies for High Resolution Patterning of Conducting Polymers. , 0, , .		2
115	Facile fabrication of a single-particle platform with high throughput via substrate surface potential regulated large-spacing nanoparticle assembly. Nano Research, 0, , 1.	5.8	4