

# Changhao Liang

## List of Publications by Year in descending order

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143  
papers

8,913  
citations

30070

54  
h-index

45317

90  
g-index

144  
all docs

144  
docs citations

144  
times ranked

9238  
citing authors

#	ARTICLE	IF	CITATIONS
1	All-solid-state artificial Z-scheme porous g-C <sub>3</sub> N <sub>4</sub> /Sn <sub>2</sub> S <sub>3</sub> -DETA heterostructure photocatalyst with enhanced performance in photocatalytic CO <sub>2</sub> reduction. <i>Applied Catalysis B: Environmental</i> , 2019, 241, 528-538.	20.2	350
2	Heterojunction of facet coupled g-C <sub>3</sub> N <sub>4</sub> /surface-fluorinated TiO <sub>2</sub> nanosheets for organic pollutants degradation under visible LED light irradiation. <i>Applied Catalysis B: Environmental</i> , 2014, 156-157, 331-340.	20.2	316
3	Step-scheme porous g-C <sub>3</sub> N <sub>4</sub> /Zn <sub>0.2</sub> Cd <sub>0.8</sub> S-DETA composites for efficient and stable photocatalytic H <sub>2</sub> production. <i>Chinese Journal of Catalysis</i> , 2020, 41, 41-49.	14.0	259
4	Bi SPR-Promoted Z-Scheme Bi <sub>2</sub> MoO <sub>6</sub> /CdS-Diethylenetriamine Composite with Effectively Enhanced Visible Light Photocatalytic Hydrogen Evolution Activity and Stability. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 696-706.	6.7	240
5	A novel step-scheme BiVO <sub>4</sub> /Ag <sub>3</sub> VO <sub>4</sub> photocatalyst for enhanced photocatalytic degradation activity under visible light irradiation. <i>Chinese Journal of Catalysis</i> , 2021, 42, 46-55.	14.0	234
6	Catalytic Growth of Large-Scale Single-Crystal CdS Nanowires by Physical Evaporation and Their Photoluminescence. <i>Chemistry of Materials</i> , 2002, 14, 1773-1777.	6.7	221
7	Mass production of micro/nanostructured porous ZnO plates and their strong structurally enhanced and selective adsorption performance for environmental remediation. <i>Journal of Materials Chemistry</i> , 2010, 20, 8582.	6.7	216
8	Integrated S-scheme Heterojunction of Amine-Functionalized 1D CdSe Nanorods Anchoring on Ultrathin 2D SnNb <sub>2</sub> O <sub>6</sub> Nanosheets for Robust Solar-Driven CO <sub>2</sub> Conversion. <i>Solar Rrl</i> , 2021, 5, 2000805.	5.8	206
9	Facile synthesis of Z-scheme graphitic-C <sub>3</sub> N <sub>4</sub> /Bi <sub>2</sub> MoO <sub>6</sub> nanocomposite for enhanced visible photocatalytic properties. <i>Applied Surface Science</i> , 2015, 358, 377-384.	6.1	200
10	Photocatalytic degradation of organic pollutants with Ag decorated free-standing TiO <sub>2</sub> nanotube arrays and interface electrochemical response. <i>Journal of Materials Chemistry</i> , 2011, 21, 475-480.	6.7	168
11	Facile synthesis of Z-scheme BiVO <sub>4</sub> /porous graphite carbon nitride heterojunction for enhanced visible-light-driven photocatalyst. <i>Applied Surface Science</i> , 2018, 430, 595-602.	6.1	161
12	Heterostructures of Ni-Co-Al layered double hydroxide assembled on V <sub>4</sub> C <sub>3</sub> /MXene for high-energy hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2291-2300.	10.3	154
13	Defect-Mediated Formation of Ag Cluster-Doped TiO <sub>2</sub> Nanoparticles for Efficient Photodegradation of Pentachlorophenol. <i>Langmuir</i> , 2012, 28, 3938-3944.	3.5	152
14	A high efficient graphitic-C <sub>3</sub> N <sub>4</sub> /BiOI/graphene oxide ternary nanocomposite heterostructured photocatalyst with graphene oxide as electron transport buffer material. <i>Dalton Transactions</i> , 2015, 44, 7903-7910.	3.3	149
15	Efficient Visible-Light-Driven Splitting of Water into Hydrogen over Surface-Fluorinated Anatase TiO <sub>2</sub> Nanosheets with Exposed {001} Facets/Layered CdS-Diethylenetriamine Nanobelts. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12817-12826.	6.7	149
16	A novel Z-scheme Bi <sub>2</sub> MoO <sub>6</sub> /BiOBr photocatalyst for enhanced photocatalytic activity under visible light irradiation. <i>Applied Surface Science</i> , 2018, 456, 473-481.	6.1	149
17	Construction of Ag SPR-promoted step-scheme porous g-C <sub>3</sub> N <sub>4</sub> /Ag <sub>3</sub> VO <sub>4</sub> heterojunction for improving photocatalytic activity. <i>Applied Surface Science</i> , 2019, 488, 151-160.	6.1	146
18	Amine-Modified S-Scheme Porous g-C <sub>3</sub> N <sub>4</sub> /CdSe-Diethylenetriamine Composite with Enhanced Photocatalytic CO <sub>2</sub> Reduction Activity. <i>ACS Applied Energy Materials</i> , 2021, 4, 956-968.	5.1	146

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19	Synthesis of Ultrafine SnO <sub>2</sub> -xNanocrystals by Pulsed Laser-Induced Reactive Quenching in Liquid Medium. <i>Journal of Physical Chemistry B</i> , 2003, 107, 9220-9225.	2.6	137
20	Highly efficient direct Z-scheme WO <sub>3</sub> /CdS-diethylenetriamine photocatalyst and its enhanced photocatalytic H <sub>2</sub> evolution under visible light irradiation. <i>Applied Surface Science</i> , 2018, 442, 20-29.	6.1	137
21	Highly Ambient-Stable 1T-MoS <sub>2</sub> and 1T-WS <sub>2</sub> by Hydrothermal Synthesis under High Magnetic Fields. <i>ACS Nano</i> , 2019, 13, 1694-1702.	14.6	131
22	In situ controllable synthesis of novel surface plasmon resonance-enhanced Ag <sub>2</sub> WO <sub>4</sub> /Ag/Bi <sub>2</sub> MoO <sub>6</sub> composite for enhanced and stable visible light photocatalyst. <i>Applied Surface Science</i> , 2017, 391, 507-515.	6.1	123
23	Facile constructing novel 2D porous g-C <sub>3</sub> N <sub>4</sub> /BiOBr hybrid with enhanced visible-light-driven photocatalytic activity. <i>Separation and Purification Technology</i> , 2017, 178, 6-17.	7.9	122
24	The formation of onion-like carbon-encapsulated cobalt carbide core/shell nanoparticles by the laser ablation of metallic cobalt in acetone. <i>Carbon</i> , 2013, 55, 108-115.	10.3	119
25	Construction of Z-scheme Ag <sub>3</sub> PO <sub>4</sub> /Bi <sub>2</sub> WO <sub>6</sub> composite with excellent visible-light photodegradation activity for removal of organic contaminants. <i>Chinese Journal of Catalysis</i> , 2017, 38, 2021-2029.	14.0	117
26	One-step growth of nanosheet-assembled BiOCl/BiOBr microspheres for highly efficient visible photocatalytic performance. <i>Applied Surface Science</i> , 2018, 430, 639-646.	6.1	116
27	Plasmonic Ag <sub>2</sub> MoO <sub>4</sub> /AgBr/Ag composite: Excellent photocatalytic performance and possible photocatalytic mechanism. <i>Applied Surface Science</i> , 2017, 396, 791-798.	6.1	111
28	Polyacrylonitrile/ferrous chloride composite porous nanofibers and their strong Cr-removal performance. <i>Journal of Materials Chemistry</i> , 2011, 21, 991-997.	6.7	108
29	Highly Dispersed Ultrafine Pt Nanoparticles on Reduced Graphene Oxide Nanosheets: In Situ Sacrificial Template Synthesis and Superior Electrocatalytic Performance for Methanol Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 22935-22940.	8.0	107
30	Recent Advances in Surfactant-Free, Surface-Charged, and Defect-Rich Catalysts Developed by Laser Ablation and Processing in Liquids. <i>ChemNanoMat</i> , 2017, 3, 512-533.	2.8	103
31	Fe-N-Doped Mesoporous Carbon with Dual Active Sites Loaded on Reduced Graphene Oxides for Efficient Oxygen Reduction Catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 2423-2429.	8.0	95
32	Ag SPR-promoted 2D porous g-C <sub>3</sub> N <sub>4</sub> /Ag <sub>2</sub> MoO <sub>4</sub> composites for enhanced photocatalytic performance towards methylene blue degradation. <i>Applied Surface Science</i> , 2018, 459, 271-280.	6.1	95
33	Pulsed-laser ablation of Mg in liquids: surfactant-directing nanoparticle assembly for magnesium hydroxide nanostructures. <i>Chemical Physics Letters</i> , 2004, 389, 58-63.	2.6	87
34	Construction of PdO-Pd interfaces assisted by laser irradiation for enhanced electrocatalytic N <sub>2</sub> reduction reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12627-12634.	10.3	86
35	Carbon-Encapsulated Metal/Metal Carbide/Metal Oxide Core-Shell Nanostructures Generated by Laser Ablation of Metals in Organic Solvents. <i>ACS Applied Nano Materials</i> , 2019, 2, 28-39.	5.0	86
36	Efficient interfacial charge transfer of 2D/2D porous carbon nitride/bismuth oxychloride step-scheme heterojunction for boosted solar-driven CO <sub>2</sub> reduction. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 684-693.	9.4	85

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37	Facet-Dependent Selective Adsorption of Mn-Doped $\text{Fe}_2\text{O}_3$ Nanocrystals toward Heavy-Metal Ions. <i>Chemistry of Materials</i> , 2017, 29, 10198-10205.	6.7	82
38	General Strategy for Doping Impurities (Ge, Si, Mn, Sn, Ti) in Hematite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4986-4992.	3.1	75
39	A facile fabrication of plasmonic $\text{g-C}_3\text{N}_4/\text{Ag}_2\text{WO}_4/\text{Ag}$ ternary heterojunction visible-light photocatalyst. <i>Materials Chemistry and Physics</i> , 2016, 177, 529-537.	4.0	75
40	A general strategy toward transition metal carbide/carbon core/shell nanospheres and their application for supercapacitor electrode. <i>Carbon</i> , 2016, 100, 590-599.	10.3	75
41	Co-doped Ni hydroxide and oxide nanosheet networks: laser-assisted synthesis, effective doping, and ultrahigh pseudocapacitor performance. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10609-10617.	10.3	73
42	Zn nanobelts: a new quasi one-dimensional metal nanostructure. <i>Chemical Communications</i> , 2001, , 2632-2633.	4.1	71
43	Tunable Surface Plasmon Resonance and Strong SERS Performances of Au Opening-Nanoshell Ordered Arrays. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 1-5.	8.0	71
44	Noble-metal-free Ni <sub>2</sub> P as cocatalyst decorated rapid microwave solvothermal synthesis of inorganic-organic CdS-DETA hybrids for enhanced photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2019, 481, 1385-1393.	6.1	68
45	One-pot synthesis of step-scheme Bi <sub>2</sub> S <sub>3</sub> /porous $\text{g-C}_3\text{N}_4$ heterostructure for enhanced photocatalytic performance. <i>Materials Letters</i> , 2019, 257, 126740.	2.6	66
46	Laser-assisted high-performance PtRu alloy for pH-universal hydrogen evolution. <i>Energy and Environmental Science</i> , 2022, 15, 102-108.	30.8	66
47	Facile synthesis of a surface plasmon resonance-enhanced Ag/AgBr heterostructure and its photocatalytic performance with 450 nm LED illumination. <i>Dalton Transactions</i> , 2013, 42, 4657.	3.3	64
48	A Z-scheme Bi <sub>2</sub> MoO <sub>6</sub> /CdSe-diethylenetriamine heterojunction for enhancing photocatalytic hydrogen production activity under visible light. <i>Dalton Transactions</i> , 2019, 48, 1067-1074.	3.3	64
49	In situ photochemical synthesis noble-metal-free NiS on CdS-diethylenetriamine nanosheets for boosting photocatalytic H <sub>2</sub> production activity. <i>Applied Surface Science</i> , 2019, 481, 669-677.	6.1	62
50	A novel reduction approach to fabricate quantum-sized SnO <sub>2</sub> -conjugated reduced graphene oxide nanocomposites as non-enzymatic glucose sensors. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 8801.	2.8	61
51	Chitosan modified FeO nanowires in porous anodic alumina and their application for the removal of hexavalent chromium from water. <i>Journal of Materials Chemistry</i> , 2011, 21, 5877.	6.7	60
52	Pure Ni nanocrystallines anchored on rGO present ultrahigh electrocatalytic activity and stability in methanol oxidation. <i>Chemical Communications</i> , 2018, 54, 1563-1566.	4.1	60
53	Perspective on how laser-ablated particles grow in liquids. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017, 60, 1.	5.1	57
54	Liberating Nâ€¢NTs Confined Highly Dispersed Coï£N<sub>x</sub></i> Sites for Selective Hydrogenation of Quinolines. <i>Advanced Materials</i> , 2019, 31, e1906051.	21.0	56

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55	Preparation of Z-scheme WO <sub>3</sub> (H <sub>2</sub> O) <sub>0.333</sub> /Ag <sub>3</sub> PO <sub>4</sub> composites with enhanced photocatalytic activity and durability. Chinese Journal of Catalysis, 2019, 40, 326-334.	14.0	55
56	Zinc stannate nanocubes and nanourchins with high photocatalytic activity for methyl orange and 2,5-DCP degradation. Journal of Materials Chemistry, 2012, 22, 17210.	6.7	54
57	Sustainable synthesis of CeO <sub>2</sub> /CdS-diethylenetriamine composites for enhanced photocatalytic hydrogen evolution under visible light. Journal of Alloys and Compounds, 2018, 758, 162-170.	5.5	54
58	Facile and green synthesis of novel porous g-C <sub>3</sub> N <sub>4</sub> /Ag <sub>3</sub> PO <sub>4</sub> composite with enhanced visible light photocatalysis. Ceramics International, 2017, 43, 1522-1529.	4.8	52
59	Reactive and photocatalytic degradation of various water contaminants by laser ablation-derived SnO <sub>x</sub> nanoparticles in liquid. Journal of Materials Chemistry, 2011, 21, 18242.	6.7	50
60	In situ self-assembly synthesis and photocatalytic performance of hierarchical Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> micro/nanostructures. Journal of Materials Chemistry, 2009, 19, 2253.	6.7	49
61	Ge-doped hematite nanosheets with tunable doping level, structure and improved photoelectrochemical performance. Nano Energy, 2013, 2, 328-336.	16.0	49
62	Band structure engineering design of g-C <sub>3</sub> N <sub>4</sub> /ZnS/SnS <sub>2</sub> ternary heterojunction visible-light photocatalyst with ZnS as electron transport buffer material. Journal of Alloys and Compounds, 2019, 778, 215-223.	5.5	49
63	Spontaneous Growth and Chemical Reduction Ability of Ge Nanoparticles. Scientific Reports, 2013, 3, .	3.3	48
64	Reduced graphene oxide anchored magnetic ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles with enhanced visible-light photocatalytic activity. RSC Advances, 2015, 5, 9069-9074.	3.6	48
65	Photo-excited in situ loading of Pt clusters onto rGO immobilized SnO <sub>2</sub> with excellent catalytic performance toward methanol oxidation. Nano Energy, 2016, 26, 699-707.	16.0	48
66	Multifunctional Binary Monolayers Ge <sub>x</sub> P <sub>y</sub> : Tunable Band Gap, Ferromagnetism, and Photocatalyst for Water Splitting. ACS Applied Materials & Interfaces, 2018, 10, 19897-19905.	8.0	48
67	Facile preparation of two-dimensional Bi <sub>2</sub> MoO <sub>6</sub> @Ag <sub>2</sub> MoO <sub>4</sub> core-shell composite with enhanced visible light photocatalytic activity. Journal of Alloys and Compounds, 2017, 729, 100-108.	5.5	46
68	Inorganic-organic CdSe-diethylenetriamine nanobelts for enhanced visible photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2019, 555, 166-173.	9.4	44
69	Controllable synthesis of inorganic-organic Zn <sub>1-x</sub> Cd <sub>x</sub> S-DETA solid solution nanoflowers and their enhanced visible-light photocatalytic hydrogen-production performance. Dalton Transactions, 2017, 46, 11335-11343.	3.3	43
70	Construction of organic-inorganic cadmium sulfide/diethylenetriamine hybrids for efficient photocatalytic hydrogen production. Journal of Colloid and Interface Science, 2018, 512, 77-85.	9.4	42
71	Interface and defect engineer of titanium dioxide supported palladium or platinum for tuning the activity and selectivity of electrocatalytic nitrogen reduction reaction. Journal of Colloid and Interface Science, 2019, 553, 126-135.	9.4	42
72	Ultrafine copper nanoparticles anchored on reduced graphene oxide present excellent catalytic performance toward 4-nitrophenol reduction. Journal of Colloid and Interface Science, 2020, 566, 265-270.	9.4	42

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73	Cd <sub>3</sub> (C <sub>3</sub> N <sub>3</sub> S <sub>3</sub> ) <sub>2</sub> Polymer/Sn Schottky Heterojunction for Broadband-Solar Highly Selective Photocatalytic CO <sub>2</sub> Reduction. Solar Rrl, 2021, 5, 2100788.	5.8	41
74	Multi-walled carbon nanotube supported CdS-DETA nanocomposite for efficient visible light photocatalysis. Materials Chemistry and Physics, 2017, 186, 372-381.	4.0	39
75	Ambient Electrosynthesis of Ammonia Using Core-Shell Structured Au@C Catalyst Fabricated by One-Step Laser Ablation Technique. ACS Applied Materials & Interfaces, 2019, 11, 44186-44195.	8.0	38
76	Silicon-doped hematite nanosheets with superlattice structure. Chemical Communications, 2011, 47, 8040.	4.1	34
77	Novel visible-light-driven direct Z-scheme Zn <sub>3</sub> V <sub>2</sub> O <sub>8</sub> /Ag <sub>3</sub> PO <sub>4</sub> heterojunctions for enhanced photocatalytic performance. Journal of Alloys and Compounds, 2019, 799, 113-123.	5.5	34
78	Electrochemical Hydrogen Peroxide Synthesis from Selective Oxygen Reduction over Metal Selenide Catalysts. Nano Letters, 2022, 22, 1257-1264.	9.1	33
79	Organization of Mn <sub>3</sub> O <sub>4</sub> nanoparticles into $\hat{1}^3$ -MnOOH nanowires via hydrothermal treatment of the colloids induced by laser ablation in water. CrystEngComm, 2011, 13, 1063-1066.	2.6	31
80	Understanding the Solvent Molecules Induced Spontaneous Growth of Uncapped Tellurium Nanoparticles. Scientific Reports, 2016, 6, 32631.	3.3	31
81	Layered mesoporous Mg(OH) <sub>2</sub> /GO nanosheet composite for efficient removal of water contaminants. RSC Advances, 2016, 6, 26977-26983.	3.6	31
82	S,N dual-doped carbon nanotubes as substrate to enhance the methanol oxidation performance of NiO nanoparticles. Carbon, 2019, 152, 114-119.	10.3	29
83	Protein assisted hydrothermal synthesis of ultrafine magnetite nanoparticle built-porous oriented fibers and their structurally enhanced adsorption to toxic chemicals in solution. Journal of Materials Chemistry, 2011, 21, 11188.	6.7	28
84	Core-shell TaxO@Ta <sub>2</sub> O <sub>5</sub> structured nanoparticles: laser ablation synthesis in liquid, structure and photocatalytic property. CrystEngComm, 2012, 14, 3236.	2.6	27
85	Cu/Ag/Ag <sub>3</sub> PO <sub>4</sub> ternary composite: A hybrid alloy-semiconductor heterojunction structure with visible light photocatalytic properties. Journal of Alloys and Compounds, 2016, 682, 778-784.	5.5	27
86	Encapsulation of Co-based nanoparticle in N-doped graphitic carbon for efficient oxygen reduction reaction. Carbon, 2020, 156, 31-37.	10.3	27
87	Mg(OH) <sub>2</sub> @MgO@reduced graphene oxide nanocomposites: the roles of composition and nanostructure in arsenite sorption. Journal of Materials Chemistry A, 2017, 5, 24484-24492.	10.3	26
88	Strong Fe <sup>3+</sup> -O(H)-Pt Interfacial Interaction Induced Excellent Stability of Pt/NiFe-LDH/rGO Electrocatalysts. Scientific Reports, 2018, 8, 1359.	3.3	26
89	Oxygen Defects Induce Strongly Coupled Pt/Metal Oxides/rGO Nanocomposites for Methanol Oxidation Reaction. ACS Applied Energy Materials, 2019, 2, 5577-5583.	5.1	26
90	Laser irradiation-induced Au@ZnO nanospheres with enhanced sensitivity and stability for ethanol sensing. Physical Chemistry Chemical Physics, 2016, 18, 22503-22508.	2.8	24

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91	Synthesis of Mn-doped $\text{Ni}(\text{OH})_2$ nanosheets assisted by liquid-phase laser ablation and their electrochemical properties. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5684.	2.8	23
92	Grafting $\text{BiOCl}$ nanosheets onto $\text{TiO}_2$ tubular arrays to form a hierarchical structure with improved photocatalytic performance. <i>RSC Advances</i> , 2013, 3, 19064.	3.6	23
93	Two-Dimensional IV-V Monolayers with Highly Anisotropic Carrier Mobility and Electric Transport Properties. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1058-1065.	4.6	23
94	Recyclable chestnut-like $\text{Fe}_3\text{O}_4@\text{C}@\text{ZnSnO}_3$ core-shell particles for the photocatalytic degradation of 2,5-dichlorophenol. <i>RSC Advances</i> , 2014, 4, 26201.	3.6	22
95	Size-Controlled $\text{AgI}/\text{Ag}$ Heteronanowires in Highly Ordered Alumina Membranes: Superionic Phase Stabilization and Conductivity. <i>Nano Letters</i> , 2015, 15, 5161-5167.	9.1	22
96	Molybdenum-Doped Porous Cobalt Phosphide Nanosheets for Efficient Alkaline Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2019, 2, 6302-6310.	5.1	22
97	Two-dimensional $\text{MgX}_2\text{Se}_4$ ( $X = \text{Al}, \text{Ga}$ ) monolayers with tunable electronic properties for optoelectronic and photocatalytic applications. <i>Nanoscale</i> , 2019, 11, 19806-19813.	5.6	21
98	Simultaneous doping and growth of Sn-doped hematite nanocrystalline films with improved photoelectrochemical performance. <i>RSC Advances</i> , 2014, 4, 63408-63413.	3.6	20
99	Highly dispersed Au nanoparticles decorated $\text{WO}_3$ nanoplatelets: Laser-assisted synthesis and superior performance for detecting ethanol vapor. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 165-171.	9.4	20
100	Facile synthesis of hollow $\text{MnO}$ microcubes as superior anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 756, 93-102.	5.5	19
101	Ameliorative effects of nano-selenium against $\text{NiSO}_4$ -induced apoptosis in rat testes. <i>Toxicology Mechanisms and Methods</i> , 2019, 29, 467-477.	2.7	19
102	Construction of fluorinated- $\text{TiO}_2$ nanosheets with exposed {001} facets/ $\text{CdSe}$ -DETA nanojunction for enhancing visible-light-driven photocatalytic $\text{H}_2$ evolution. <i>Ceramics International</i> , 2020, 46, 866-876.	4.8	19
103	Laser Irradiation in Liquid to Release Cobalt Single-Atom Sites for Efficient Electrocatalytic $\text{N}_2$ Reduction. <i>ACS Applied Energy Materials</i> , 2020, 3, 6079-6086.	5.1	19
104	Laser ablation in liquids for the assembly of $\text{Se}@\text{Au}$ chain-oligomers with long-term stability for photothermal inhibition of tumor cells. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 284-295.	9.4	19
105	Insight into the synergy of amine-modified S-scheme $\text{Cd}_0.5\text{Zn}_0.5\text{Se}/\text{porous g-C}_3\text{N}_4$ and noble-metal-free $\text{Ni}_2\text{P}$ for boosting photocatalytic hydrogen generation. <i>Ceramics International</i> , 2021, 47, 13488-13499.	4.8	18
106	Ultrathin indium vanadate/cadmium selenide-amine step-scheme heterojunction with interfacial chemical bonding for promotion of visible-light-driven carbon dioxide reduction. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1846-1856.	9.4	18
107	Laser-Induced Melting and Reduction Reaction for the Formation of Pt-Based Bimetallic Alloy Particles in Liquids. <i>ChemPhysChem</i> , 2017, 18, 1133-1139.	2.1	17
108	Noble-metal-free $\text{NiS}$ decorated organic-inorganic hybrid $\text{Zn}_x\text{Cd}_{1-x}\text{Se}$ -diethylenetriamine solid solution for hydrogen evolution. <i>Applied Surface Science</i> , 2020, 507, 145213.	6.1	17

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109	Controlled synthesis of novel 3D CdS hierarchical microtremella for photocatalytic H <sub>2</sub> production. <i>Materials Letters</i> , 2019, 235, 11-14.	2.6	16
110	Structural and electrochemical evaluation of a TiO <sub>2</sub> @graphene oxide based sandwich structure for lithium-ion battery anodes. <i>RSC Advances</i> , 2015, 5, 45038-45043.	3.6	15
111	Coexistence of resistance switching and negative differential resistance in the Fe <sub>2</sub> O <sub>3</sub> nanorod film. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17440-17445.	2.8	15
112	Construction of direct Z-scheme WO <sub>3</sub> (H <sub>2</sub> O) <sub>0.333</sub> /BiOI heterostructure with enhanced visible light photocatalytic performance. <i>Materials Letters</i> , 2019, 245, 57-60.	2.6	15
113	Defect-mediated electron-hole separation in an inorganic-organic CdS <sub>x</sub> Se <sub>1-x</sub> DETA solid solution under amine molecule-assisted fabrication and microwave-assisted method for promoting photocatalytic H <sub>2</sub> evolution. <i>Sustainable Energy and Fuels</i> , 2019, 3, 3550-3560.	4.9	15
114	Pressure induced semiconductor-metallic transition of selenium nanoribbons generated by laser ablation in liquids. <i>Applied Surface Science</i> , 2019, 473, 564-570.	6.1	15
115	Stability evolution of ultrafine Ag nanoparticles prepared by laser ablation in liquids. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 444-451.	9.4	15
116	Defect-Modified Ultrathin BiOX (X = Cl, Br) Nanosheets Via a Top-Down Approach with Effective Visible-Light Photocatalytic Degradation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18630-18639.	3.1	15
117	Standing porous ZnO nanoplate-built hollow microspheres and kinetically controlled dissolution/crystal growth mechanism. <i>Journal of Materials Research</i> , 2012, 27, 951-958.	2.6	14
118	Nano-selenium attenuates nickel-induced testosterone synthesis disturbance through inhibition of MAPK pathways in Sprague-Dawley rats. <i>Environmental Toxicology</i> , 2019, 34, 968-978.	4.0	14
119	Fabrication of a novel BiOI/KTaO <sub>3</sub> heterostructure with enhanced photocatalytic performance under visible-light irradiation. <i>RSC Advances</i> , 2020, 10, 10921-10931.	3.6	14
120	Advance ternary surface-fluorinated TiO <sub>2</sub> nanosheet/Ag <sub>3</sub> PO <sub>4</sub> /Ag composite photocatalyst with planar heterojunction and island Ag electron capture center. <i>RSC Advances</i> , 2014, 4, 62751-62758.	3.6	13
121	Hydrothermal treatment of colloids induced via liquid-phase laser ablation: a new approach for hierarchical titanate nanostructures with enhanced photodegradation performance. <i>CrystEngComm</i> , 2011, 13, 4676.	2.6	12
122	Single-Layered Mesoporous Carbon Sandwiched Graphene Nanosheets for High Performance Ionic Liquid Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23947-23954.	3.1	12
123	In-situ reactive loading of platinum onto tin oxide nanocrystals with superior catalytic performance for hydrogenation of 4-nitrophenol. <i>Applied Surface Science</i> , 2019, 471, 469-474.	6.1	12
124	Femtosecond Laser Generated Hierarchical Macropore/LIPSS Metasurfaces and Their Ultrabroadband Absorbance, Photothermal Properties, and Thermal-Induced Reflectance Oscillation. <i>ACS Applied Electronic Materials</i> , 2022, 4, 990-1001.	4.3	12
125	Development of a high magnetic field assisted pulsed laser deposition system. <i>Review of Scientific Instruments</i> , 2015, 86, 095105.	1.3	10
126	Laser-synthesized graphite carbon encased gold nanoparticles with specific reaction channels for efficient oxygen reduction. <i>Journal of Colloid and Interface Science</i> , 2020, 563, 74-80.	9.4	10



#	ARTICLE	IF	CITATIONS
127	Solvents-dependent selective fabrication of face-centered cubic and hexagonal close-packed structured ruthenium nanoparticles during liquid-phase laser ablation. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 452-458.	9.4	10
128	A fluidized electrocatalysis approach for ammonia synthesis using oxygen vacancy-rich $\text{Co}_3\text{O}_4$ nanoparticles. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4026-4034.	6.0	10
129	Porous $\text{Fe}_3\text{O}_4$ thin films by pulsed laser assisted chemical solution deposition at room temperature. <i>Applied Surface Science</i> , 2019, 478, 408-411.	6.1	9
130	Monodispersed carbon nanodots spontaneously separated from combustion soot with excitation-independent photoluminescence. <i>RSC Advances</i> , 2016, 6, 8456-8460.	3.6	8
131	Solvothermal Synthesis of Porous $\text{MnF}_2$ Hollow Spheroids as Anode Materials for Sodium/Lithium Batteries. <i>ChemElectroChem</i> , 2019, 6, 2726-2732.	3.4	8
132	Nano-selenium attenuates mitochondrial-associated apoptosis via the PI3K/AKT pathway in nickel-induced hepatotoxicity in vivo and in vitro. <i>Environmental Toxicology</i> , 2022, 37, 101-119.	4.0	8
133	Laser-ablation assisted strain engineering of gold nanoparticles for selective electrochemical $\text{CO}_2$ reduction. <i>Nanoscale</i> , 2022, 14, 7702-7710.	5.6	8
134	Diverse nanomaterials synthesized by laser ablation of pure metals in liquids. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, .	5.1	8
135	Aqueous dispersed ablated bismuth species and their potential as colloidal Bi precursors in synthetic strategies. <i>CrystEngComm</i> , 2015, 17, 3015-3022.	2.6	7
136	Fabrication of $\text{Ag}_2\text{O}/\text{KNbO}_3$ heterojunction with high visible-light photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	5
137	Solvent molecules dominated phase transition of amorphous Se colloids probed by in-situ Raman spectroscopy. <i>Applied Surface Science</i> , 2019, 466, 1000-1006.	6.1	5
138	Hierarchical $\text{WO}_3$ Ultrabroadband Absorbers and Photothermal Converters Grown from Femtosecond Laser-Induced Periodic Surface Structures. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 24046-24058.	8.0	5
139	Simultaneous Cu doping and growth of $\text{TiO}_2$ nanocrystalline array film as a glucose biosensor. <i>RSC Advances</i> , 2016, 6, 78219-78224.	3.6	4
140	Construction of Pd/BiOCl Catalyst for Highly-selective Synthesis of Benzoin Ethyl Ether by Chlorine Promoted Coupling Reaction. <i>ChemCatChem</i> , 2019, 11, 2676-2682.	3.7	4
141	Gold-Modified $\text{Mo}_2\text{C}$ Nanoparticles Supported on Nitrogen-Doped Carbon Nanotubes for Electrochemical Nitrogen Fixation. <i>ACS Applied Nano Materials</i> , 2022, 5, 7382-7391.	5.0	3
142	Top electrode material related bipolar memory and unipolar threshold resistance switching in amorphous $\text{Ta}_2\text{O}_5$ films. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 111, 1065-1070.	2.3	2
143	$\text{Ca}_3\text{Co}_4\text{O}_9/\text{polycrystalline Al}_2\text{O}_3$ : an effective template for c-axis oriented layered cobaltate thin films by chemical solution deposition. <i>RSC Advances</i> , 2015, 5, 17746-17750.	3.6	2