

# Changhao Liang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7277297/publications.pdf>

Version: 2024-02-01

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	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
2	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
3	Laser-assisted high-performance PtRu alloy for pH-universal hydrogen evolution. <i>Energy and Environmental Science</i> , 2022, 15, 102-108.	30.8	66
4	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
5	Electrochemical Hydrogen Peroxide Synthesis from Selective Oxygen Reduction over Metal Selenide Catalysts. <i>Nano Letters</i> , 2022, 22, 1257-1264.	9.1	33
6	Laser-ablation assisted strain engineering of gold nanoparticles for selective electrochemical CO <sub>2</sub> reduction. <i>Nanoscale</i> , 2022, 14, 7702-7710.	5.6	8
7	Hierarchical WO <sub>3</sub> 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
8	Gold-Modified Mo <sub>2</sub> 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
9	Diverse nanomaterials synthesized by laser ablation of pure metals in liquids. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, .	5.1	8
10	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
11	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
12	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
13	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
14	A fluidized electrocatalysis approach for ammonia synthesis using oxygen vacancy-rich Co <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4026-4034.	6.0	10
15	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
16	Insight into the synergy of amine-modified S-scheme Cd <sub>0.5</sub> Zn <sub>0.5</sub> Se/porous g-C <sub>3</sub> N <sub>4</sub> and noble-metal-free Ni <sub>2</sub> P for boosting photocatalytic hydrogen generation. <i>Ceramics International</i> , 2021, 47, 13488-13499.	4.8	18
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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. ACS Applied Energy Materials, 2021, 4, 956-968.	5.1	146
20	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
21	Encapsulation of Co-based nanoparticle in N-doped graphitic carbon for efficient oxygen reduction reaction. Carbon, 2020, 156, 31-37.	10.3	27
22	Construction of fluorinated-TiO <sub>2</sub> nanosheets with exposed {001} facets/CdSe-DETA nanojunction for enhancing visible-light-driven photocatalytic H <sub>2</sub> evolution. Ceramics International, 2020, 46, 866-876.	4.8	19
23	Noble-metal-free NiS decorated organic-inorganic hybrid ZnxCd <sub>1-x</sub> Se-diethylenetriamine solid solution for hydrogen evolution. Applied Surface Science, 2020, 507, 145213.	6.1	17
24	Laser-synthesized graphite carbon encased gold nanoparticles with specific reaction channels for efficient oxygen reduction. Journal of Colloid and Interface Science, 2020, 563, 74-80.	9.4	10
25	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. Chinese Journal of Catalysis, 2020, 41, 41-49.	14.0	259
26	Fabrication of a novel BiOI/KTaO <sub>3</sub> heterostructure with enhanced photocatalytic performance under visible-light irradiation. RSC Advances, 2020, 10, 10921-10931.	3.6	14
27	Laser Irradiation in Liquid to Release Cobalt Single-Atom Sites for Efficient Electrocatalytic N <sub>2</sub> Reduction. ACS Applied Energy Materials, 2020, 3, 6079-6086.	5.1	19
28	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
29	Laser ablation in liquids for the assembly of Se@Au chain-oligomers with long-term stability for photothermal inhibition of tumor cells. Journal of Colloid and Interface Science, 2020, 566, 284-295.	9.4	19
30	Molybdenum-Doped Porous Cobalt Phosphide Nanosheets for Efficient Alkaline Hydrogen Evolution. ACS Applied Energy Materials, 2019, 2, 6302-6310.	5.1	22
31	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
32	Inorganic-organic CdSe-diethylenetriamine nanobelts for enhanced visible photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2019, 555, 166-173.	9.4	44
33	Liberating N@CNTs Confined Highly Dispersed Co <sub>x</sub> N <sub>x</sub> Sites for Selective Hydrogenation of Quinolines. Advanced Materials, 2019, 31, e1906051.	21.0	56
34	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
35	One-pot synthesis of step-scheme Bi <sub>2</sub> S <sub>3</sub> /porous g-C <sub>3</sub> N <sub>4</sub> heterostructure for enhanced photocatalytic performance. Materials Letters, 2019, 257, 126740.	2.6	66
36	A Z-scheme Bi <sub>2</sub> MoO <sub>6</sub> /CdSe-diethylenetriamine heterojunction for enhancing photocatalytic hydrogen production activity under visible light. Dalton Transactions, 2019, 48, 1067-1074.	3.3	64

#	ARTICLE	IF	CITATIONS
37	Heterostructures of Ni <sup>2+</sup> /Co <sup>2+</sup> /Al layered double hydroxide assembled on V <sub>2</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
38	Porous Fe <sub>3</sub> O <sub>4</sub> thin films by pulsed laser assisted chemical solution deposition at room temperature. <i>Applied Surface Science</i> , 2019, 478, 408-411.	6.1	9
39	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
40	S,N dual-doped carbon nanotubes as substrate to enhance the methanol oxidation performance of NiO nanoparticles. <i>Carbon</i> , 2019, 152, 114-119.	10.3	29
41	Interface and defect engineer of titanium dioxide supported palladium or platinum for tuning the activity and selectivity of electrocatalytic nitrogen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 126-135.	9.4	42
42	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
43	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. <i>Journal of Alloys and Compounds</i> , 2019, 799, 113-123.	5.5	34
44	Solvothermal Synthesis of Porous MnF <sub>2</sub> Hollow Spheroids as Anode Materials for Sodium/Lithium Ion Batteries. <i>ChemElectroChem</i> , 2019, 6, 2726-2732.	3.4	8
45	Ameliorative effects of nano-selenium against NiSO <sub>4</sub> -induced apoptosis in rat testes. <i>Toxicology Mechanisms and Methods</i> , 2019, 29, 467-477.	2.7	19
46	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
47	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
48	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
49	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. <i>Chinese Journal of Catalysis</i> , 2019, 40, 326-334.	14.0	55
50	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
51	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
52	Two-dimensional MgX <sub>2</sub> Se <sub>4</sub> (X = Al, Ga) monolayers with tunable electronic properties for optoelectronic and photocatalytic applications. <i>Nanoscale</i> , 2019, 11, 19806-19813.	5.6	21
53	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
54	Fabrication of Ag <sub>2</sub> O/KNbO <sub>3</sub> heterojunction with high visible-light photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	5

#	ARTICLE	IF	CITATIONS
55	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
56	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. <i>Journal of Alloys and Compounds</i> , 2019, 778, 215-223.	5.5	49
57	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
58	Highly Ambient-Stable 1T-MoS <sub>2</sub> and 1T-WSe <sub>2</sub> by Hydrothermal Synthesis under High Magnetic Fields. <i>ACS Nano</i> , 2019, 13, 1694-1702.	14.6	131
59	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
60	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
61	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
62	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
63	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
64	Strong Fe <sup>3+</sup> -O(H)-Pt Interfacial Interaction Induced Excellent Stability of Pt/NiFe-LDH/rGO Electrocatalysts. <i>Scientific Reports</i> , 2018, 8, 1359.	3.3	26
65	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
66	Fe <sup>2+</sup> /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
67	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
68	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
69	Construction of organic-inorganic cadmium sulfide/diethylenetriamine hybrids for efficient photocatalytic hydrogen production. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 77-85.	9.4	42
70	Highly dispersed Au nanoparticles decorated WO <sub>3</sub> 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
71	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
72	Sustainable synthesis of CeO <sub>2</sub> /CdS-diethylenetriamine composites for enhanced photocatalytic hydrogen evolution under visible light. <i>Journal of Alloys and Compounds</i> , 2018, 758, 162-170.	5.5	54

#	ARTICLE	IF	CITATIONS
73	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
74	Facile synthesis of hollow MnO microcubes as superior anode materials for lithium-ion batteries. Journal of Alloys and Compounds, 2018, 756, 93-102.	5.5	19
75	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. ACS Sustainable Chemistry and Engineering, 2018, 6, 12817-12826.	6.7	149
76	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. Applied Surface Science, 2018, 459, 271-280.	6.1	95
77	A novel Z-scheme Bi <sub>2</sub> MoO <sub>6</sub> /BiOBr photocatalyst for enhanced photocatalytic activity under visible light irradiation. Applied Surface Science, 2018, 456, 473-481.	6.1	149
78	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. Applied Surface Science, 2017, 391, 507-515.	6.1	123
79	Laser-irradiation-induced Melting and Reduction Reaction for the Formation of Pt-Based Bimetallic Alloy Particles in Liquids. ChemPhysChem, 2017, 18, 1133-1139.	2.1	17
80	Facile constructing novel 2D porous g-C <sub>3</sub> N <sub>4</sub> /BiOBr hybrid with enhanced visible-light-driven photocatalytic activity. Separation and Purification Technology, 2017, 178, 6-17.	7.9	122
81	Recent Advances in Surfactant-free, Surface-charged, and Defect-rich Catalysts Developed by Laser Ablation and Processing in Liquids. ChemNanoMat, 2017, 3, 512-533.	2.8	103
82	Single-Layered Mesoporous Carbon Sandwiched Graphene Nanosheets for High Performance Ionic Liquid Supercapacitors. Journal of Physical Chemistry C, 2017, 121, 23947-23954.	3.1	12
83	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
84	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
85	Facet-Dependent Selective Adsorption of Mn-Doped Fe <sub>2</sub> O <sub>3</sub> Nanocrystals toward Heavy-Metal Ions. Chemistry of Materials, 2017, 29, 10198-10205.	6.7	82
86	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
87	Perspective on how laser-ablated particles grow in liquids. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	57
88	Multi-walled carbon nanotube supported CdS-DETA nanocomposite for efficient visible light photocatalysis. Materials Chemistry and Physics, 2017, 186, 372-381.	4.0	39
89	Plasmonic Ag <sub>2</sub> MoO <sub>4</sub> /AgBr/Ag composite: Excellent photocatalytic performance and possible photocatalytic mechanism. Applied Surface Science, 2017, 396, 791-798.	6.1	111
90	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

#	ARTICLE	IF	CITATIONS
91	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. Chinese Journal of Catalysis, 2017, 38, 2021-2029.	14.0	117
92	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
93	Simultaneous Cu doping and growth of TiO <sub>2</sub> nanocrystalline array film as a glucose biosensor. RSC Advances, 2016, 6, 78219-78224.	3.6	4
94	Understanding the Solvent Molecules Induced Spontaneous Growth of Uncapped Tellurium Nanoparticles. Scientific Reports, 2016, 6, 32631.	3.3	31
95	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
96	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
97	A facile fabrication of plasmonic g-C <sub>3</sub> N <sub>4</sub> /Ag <sub>2</sub> WO <sub>4</sub> /Ag ternary heterojunction visible-light photocatalyst. Materials Chemistry and Physics, 2016, 177, 529-537.	4.0	75
98	Coexistence of resistance switching and negative differential resistance in the $\text{I}\pm\text{Fe}\text{O}_2/\text{O}_3$ nanorod film. Physical Chemistry Chemical Physics, 2016, 18, 17440-17445.	2.8	15
99	Co-doped Ni hydroxide and oxide nanosheet networks: laser-assisted synthesis, effective doping, and ultrahigh pseudocapacitor performance. Journal of Materials Chemistry A, 2016, 4, 10609-10617.	10.3	73
100	A general strategy toward transition metal carbide/carbon core/shell nanospheres and their application for supercapacitor electrode. Carbon, 2016, 100, 590-599.	10.3	75
101	Monodispersed carbon nanodots spontaneously separated from combustion soot with excitation-independent photoluminescence. RSC Advances, 2016, 6, 8456-8460.	3.6	8
102	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
103	Development of a high magnetic field assisted pulsed laser deposition system. Review of Scientific Instruments, 2015, 86, 095105.	1.3	10
104	Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> /polycrystalline Al <sub>2</sub> O <sub>3</sub> : an effective template for c-axis oriented layered cobaltate thin films by chemical solution deposition. RSC Advances, 2015, 5, 17746-17750.	3.6	2
105	Aqueous dispersed ablated bismuth species and their potential as colloidal Bi precursors in synthetic strategies. CrystEngComm, 2015, 17, 3015-3022.	2.6	7
106	Size-Controlled AgI/Ag Heteronanowires in Highly Ordered Alumina Membranes: Superionic Phase Stabilization and Conductivity. Nano Letters, 2015, 15, 5161-5167.	9.1	22
107	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. Applied Surface Science, 2015, 358, 377-384.	6.1	200
108	Structural and electrochemical evaluation of a TiO <sub>2</sub> @graphene oxide based sandwich structure for lithium-ion battery anodes. RSC Advances, 2015, 5, 45038-45043.	3.6	15

#	ARTICLE	IF	CITATIONS
109	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. Dalton Transactions, 2015, 44, 7903-7910.	3.3	149
110	Highly Dispersed Ultrafine Pt Nanoparticles on Reduced Graphene Oxide Nanosheets: In Situ Sacrificial Template Synthesis and Superior Electrocatalytic Performance for Methanol Oxidation. ACS Applied Materials & Interfaces, 2015, 7, 22935-22940.	8.0	107
111	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
112	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. RSC Advances, 2014, 4, 62751-62758.	3.6	13
113	Simultaneous doping and growth of Sn-doped hematite nanocrystalline films with improved photoelectrochemical performance. RSC Advances, 2014, 4, 63408-63413.	3.6	20
114	Recyclable chestnut-like Fe <sub>3</sub> O <sub>4</sub> @C@ZnSnO <sub>3</sub> core-shell particles for the photocatalytic degradation of 2,5-dichlorophenol. RSC Advances, 2014, 4, 26201.	3.6	22
115	A novel reduction approach to fabricate quantum-sized SnO <sub>2</sub> -conjugated reduced graphene oxide nanocomposites as non-enzymatic glucose sensors. Physical Chemistry Chemical Physics, 2014, 16, 8801.	2.8	61
116	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. Applied Catalysis B: Environmental, 2014, 156-157, 331-340.	20.2	316
117	Top electrode material related bipolar memory and unipolar threshold resistance switching in amorphous Ta <sub>2</sub> O <sub>5</sub> films. Applied Physics A: Materials Science and Processing, 2013, 111, 1065-1070.	2.3	2
118	Synthesis of Mn-doped Ni(OH) <sub>2</sub> nanosheets assisted by liquid-phase laser ablation and their electrochemical properties. Physical Chemistry Chemical Physics, 2013, 15, 5684.	2.8	23
119	Facile synthesis of a surface plasmon resonance-enhanced Ag/AgBr heterostructure and its photocatalytic performance with 450 nm LED illumination. Dalton Transactions, 2013, 42, 4657.	3.3	64
120	Grafting BiOCl nanosheets onto TiO <sub>2</sub> tubular arrays to form a hierarchical structure with improved photocatalytic performance. RSC Advances, 2013, 3, 19064.	3.6	23
121	The formation of onion-like carbon-encapsulated cobalt carbide core/shell nanoparticles by the laser ablation of metallic cobalt in acetone. Carbon, 2013, 55, 108-115.	10.3	119
122	Ge-doped hematite nanosheets with tunable doping level, structure and improved photoelectrochemical performance. Nano Energy, 2013, 2, 328-336.	16.0	49
123	Spontaneous Growth and Chemical Reduction Ability of Ge Nanoparticles. Scientific Reports, 2013, 3, .	3.3	48
124	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
125	General Strategy for Doping Impurities (Ge, Si, Mn, Sn, Ti) in Hematite Nanocrystals. Journal of Physical Chemistry C, 2012, 116, 4986-4992.	3.1	75
126	Tunable Surface Plasmon Resonance and Strong SERS Performances of Au Opening-Nanoshell Ordered Arrays. ACS Applied Materials & Interfaces, 2012, 4, 1-5.	8.0	71



#	ARTICLE	IF	CITATIONS
127	Core-shell $\text{TaO}@\text{Ta}_2\text{O}_5$ structured nanoparticles: laser ablation synthesis in liquid, structure and photocatalytic property. <i>CrystEngComm</i> , 2012, 14, 3236.	2.6	27
128	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
129	Defect-Mediated Formation of Ag Cluster-Doped $\text{TiO}_2$ Nanoparticles for Efficient Photodegradation of Pentachlorophenol. <i>Langmuir</i> , 2012, 28, 3938-3944.	3.5	152
130	Organization of $\text{Mn}_3\text{O}_4$ nanoparticles into $\text{MnOOH}$ nanowires via hydrothermal treatment of the colloids induced by laser ablation in water. <i>CrystEngComm</i> , 2011, 13, 1063-1066.	2.6	31
131	Reactive and photocatalytic degradation of various water contaminants by laser ablation-derived $\text{SnO}_x$ nanoparticles in liquid. <i>Journal of Materials Chemistry</i> , 2011, 21, 18242.	6.7	50
132	Silicon-doped hematite nanosheets with superlattice structure. <i>Chemical Communications</i> , 2011, 47, 8040.	4.1	34
133	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
134	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
135	Protein assisted hydrothermal synthesis of ultrafine magnetite nanoparticle built-porous oriented fibers and their structurally enhanced adsorption to toxic chemicals in solution. <i>Journal of Materials Chemistry</i> , 2011, 21, 11188.	6.7	28
136	Photocatalytic degradation of organic pollutants with Ag decorated free-standing $\text{TiO}_2$ nanotube arrays and interface electrochemical response. <i>Journal of Materials Chemistry</i> , 2011, 21, 475-480.	6.7	168
137	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
138	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
139	In situ self-assembly synthesis and photocatalytic performance of hierarchical $\text{Bi}_0.5\text{Na}_0.5\text{TiO}_3$ micro/nanostructures. <i>Journal of Materials Chemistry</i> , 2009, 19, 2253.	6.7	49
140	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
141	Synthesis of Ultrafine $\text{SnO}_2$ -x Nanocrystals by Pulsed Laser-Induced Reactive Quenching in Liquid Medium. <i>Journal of Physical Chemistry B</i> , 2003, 107, 9220-9225.	2.6	137
142	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
143	Zn nanobelts: a new quasi one-dimensional metal nanostructure. <i>Chemical Communications</i> , 2001, , 2632-2633.	4.1	71