

Chaoliang Tan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7992560/publications.pdf>

Version: 2024-02-01

152
papers

26,770
citations

9234

74
h-index

6818

155
g-index

167
all docs

167
docs citations

167
times ranked

30280
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional alloyed transition metal dichalcogenide nanosheets: Synthesis and applications. Chinese Chemical Letters, 2022, 33, 163-176.	4.8	63
2	Synthesis of Pd ₃ Sn and PdCuSn Nanorods with L1 ₂ Phase for Highly Efficient Electrocatalytic Ethanol Oxidation. Advanced Materials, 2022, 34, e2106115.	11.1	65
3	Intercalation-Activated Layered MoO ₃ Nanobelts as Biodegradable Nanozymes for Tumor-Specific Photo-Enhanced Catalytic Therapy. Angewandte Chemie - International Edition, 2022, 61, .	7.2	109
4	Intercalation-Activated Layered MoO ₃ Nanobelts as Biodegradable Nanozymes for Tumor-Specific Photo-Enhanced Catalytic Therapy. Angewandte Chemie, 2022, 134, .	1.6	16
5	Metallic phase enabling MoS ₂ nanosheets as an efficient sonosensitizer for photothermal-enhanced sonodynamic antibacterial therapy. Journal of Nanobiotechnology, 2022, 20, 136.	4.2	38
6	A Nb ₂ CTx/sodium alginate-based composite film with neuron-like network for self-powered humidity sensing. Chemical Engineering Journal, 2022, 438, 135588.	6.6	86
7	Infrared Photodetectors Based on 2D Materials and Nanophotonics. Advanced Functional Materials, 2022, 32, .	7.8	86
8	Growth of Tellurium Nanobelts on h-BN for p-type Transistors with Ultrahigh Hole Mobility. Nano-Micro Letters, 2022, 14, 109.	14.4	31
9	Preparation of Dye Molecule-Intercalated MoO ₃ Organic/Inorganic Superlattice Nanoparticles for Fluorescence-Imaging-Guided Catalytic Therapy. Small, 2022, 18, .	5.2	18
10	Defect engineering of layered double hydroxide nanosheets as inorganic photosensitizers for NIR-III photodynamic cancer therapy. Nature Communications, 2022, 13, .	5.8	95
11	Growth of Cu ₂ O Nanoparticles on Two-Dimensional Zr-Ferrocene-Metal-Organic Framework Nanosheets for Photothermally Enhanced Chemodynamic Antibacterial Therapy. Inorganic Chemistry, 2022, 61, 9328-9338.	1.9	55
12	Ternary NiCoTi-layered double hydroxide nanosheets as a pH-responsive nanoagent for photodynamic/chemodynamic synergistic therapy. Fundamental Research, 2022, , .	1.6	3
13	Layered double hydroxide-based nanomaterials for biomedical applications. Chemical Society Reviews, 2022, 51, 6126-6176.	18.7	133
14	Edge-Enriched Mo ₂ Ti ₂ T _x /MoS ₂ Heterostructure with Coupling Interface for Selective NO ₂ Monitoring. Advanced Functional Materials, 2022, 32, .	7.8	58
15	Ultrathin Amorphous/Crystalline Heterophase Rh and Rh Alloy Nanosheets as Tandem Catalysts for Direct Indole Synthesis. Advanced Materials, 2021, 33, e2006711.	11.1	68
16	Recent advances in wearable self-powered energy systems based on flexible energy storage devices integrated with flexible solar cells. Journal of Materials Chemistry A, 2021, 9, 18887-18905.	5.2	47
17	Activating Layered Metal Oxide Nanomaterials via Structural Engineering as Biodegradable Nanoagents for Photothermal Cancer Therapy. Small, 2021, 17, e2007486.	5.2	94
18	High-Yield Exfoliation of Ultrathin 2D Ni ₃ Cr ₂ P ₂ S ₉ and Ni ₃ Cr ₂ P ₂ Se ₉ Nanosheets. Small, 2021, 17, e2006866.	5.2	8

#	ARTICLE	IF	CITATIONS
19	Unconventional-Phase Crystalline Materials Constructed from Multiscale Building Blocks. <i>Chemical Reviews</i> , 2021, 121, 5830-5888.	23.0	57
20	Metastable 1T α -phase group VIB transition metal dichalcogenide crystals. <i>Nature Materials</i> , 2021, 20, 1113-1120.	13.3	119
21	Ultrathin 2D Copper(I) 1,2,4-Triazole Coordination Polymer Nanosheets for Efficient and Selective Gene Silencing and Photodynamic Therapy. <i>Advanced Materials</i> , 2021, 33, e2100849.	11.1	38
22	A Safe Flexible Self-Powered Wristband System by Integrating Defective MnO ₂ Nanosheet-Based Zinc-Ion Batteries with Perovskite Solar Cells. <i>ACS Nano</i> , 2021, 15, 10597-10608.	7.3	109
23	General Synthesis of Ordered Mesoporous Carbonaceous Hybrid Nanostructures with Molecularly Dispersed Polyoxometallates. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15556-15562.	7.2	13
24	General Synthesis of Ordered Mesoporous Carbonaceous Hybrid Nanostructures with Molecularly Dispersed Polyoxometallates. <i>Angewandte Chemie</i> , 2021, 133, 15684-15690.	1.6	0
25	Self-Assembly of 2D Nanosheets into 1D Nanostructures for Sensing NO ₂ . <i>Small Structures</i> , 2021, 2, 2100067.	6.9	8
26	Nanodots Derived from Layered Materials: Synthesis and Applications. <i>Advanced Materials</i> , 2021, 33, e2006661.	11.1	29
27	Graphene-based mid-infrared photodetectors using metamaterials and related concepts. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	20
28	Two-dimensional metallic MoS ₂ -amorphous CoNi(OH) ₂ nanocomposite for enhanced electrochemical water splitting in alkaline solutions. <i>Applied Surface Science</i> , 2021, 561, 150079.	3.1	18
29	Ultrathin CuFe ₂ S ₃ nanosheets derived from CuFe-layered double hydroxide as an efficient nanoagent for synergistic chemodynamic and NIR-II photothermal therapy. <i>Chemical Engineering Journal</i> , 2021, 419, 129458.	6.6	45
30	Recent Progress on Two-Dimensional Materials. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2021, .	2.2	269
31	35 challenges in materials science being tackled by PIs under 35(ish) in 2021. <i>Matter</i> , 2021, 4, 3804-3810.	5.0	1
32	Evaporated tellurium thin films for p-type field-effect transistors and circuits. <i>Nature Nanotechnology</i> , 2020, 15, 53-58.	15.6	153
33	Centimeter-Scale and Visible Wavelength Monolayer Light-Emitting Devices. <i>Advanced Functional Materials</i> , 2020, 30, 1907941.	7.8	20
34	Phase-Selective Epitaxial Growth of Heterophase Nanostructures on Unconventional 2H-Pd Nanoparticles. <i>Journal of the American Chemical Society</i> , 2020, 142, 18971-18980.	6.6	111
35	Metallic 1T Phase Enabling MoS ₂ Nanodots as an Efficient Agent for Photoacoustic Imaging Guided Photothermal Therapy in the Near-Infrared Window. <i>Small</i> , 2020, 16, e2004173.	5.2	150
36	Evaporated Se _x Te _{1-x} Thin Films with Tunable Bandgaps for Short-Wave Infrared Photodetectors. <i>Advanced Materials</i> , 2020, 32, e2001329.	11.1	49

#	ARTICLE	IF	CITATIONS
37	A universal method for rapid and large-scale growth of layered crystals. <i>SmartMat</i> , 2020, 1, e1011.	6.4	33
38	Crystal phase-controlled growth of PtCu and PtCo alloys on 4H Au nanoribbons for electrocatalytic ethanol oxidation reaction. <i>Nano Research</i> , 2020, 13, 1970-1975.	5.8	32
39	Two-Dimensional Nanomaterials with Unconventional Phases. <i>CheM</i> , 2020, 6, 1237-1253.	5.8	93
40	<i>In-Situ</i> Probing of Crystal-Phase-Dependent Photocatalytic Activities of Au Nanostructures by Surface-Enhanced Raman Spectroscopy. , 2020, 2, 409-414.		22
41	Ag@MoS ₂ Core-Shell Heterostructure as SERS Platform to Reveal the Hydrogen Evolution Active Sites of Single-Layer MoS ₂ . <i>Journal of the American Chemical Society</i> , 2020, 142, 7161-7167.	6.6	185
42	Transition metal dichalcogenide/multi-walled carbon nanotube-based fibers as flexible electrodes for electrocatalytic hydrogen evolution. <i>Chemical Communications</i> , 2020, 56, 5131-5134.	2.2	28
43	Phase engineering of nanomaterials. <i>Nature Reviews Chemistry</i> , 2020, 4, 243-256.	13.8	438
44	Preparation of hierarchical hollow structures assembled from porous NiCo ₂ O ₄ nanosheets for diesel soot elimination. <i>EcoMat</i> , 2020, 2, e12041.	6.8	2
45	Intramolecular Hydrogen Bonding-Based Topology Regulation of Two-Dimensional Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020, 142, 13162-13169.	6.6	85
46	Synthesis of Palladium-Based Crystalline@Amorphous Core-Shell Nanoplates for Highly Efficient Ethanol Oxidation. <i>Advanced Materials</i> , 2020, 32, e2000482.	11.1	98
47	Selective Epitaxial Growth of Oriented Hierarchical Metal-Organic Framework Heterostructures. <i>Journal of the American Chemical Society</i> , 2020, 142, 8953-8961.	6.6	100
48	A simple electrochemical method for conversion of Pt wires to Pt concave icosahedra and nanocubes on carbon paper for electrocatalytic hydrogen evolution. <i>Science China Materials</i> , 2019, 62, 115-121.	3.5	16
49	Quest for p-Type Two-Dimensional Semiconductors. <i>ACS Nano</i> , 2019, 13, 12294-12300.	7.3	72
50	Optical and electrical properties of two-dimensional palladium diselenide. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	74
51	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
52	A General Method for the Synthesis of Hybrid Nanostructures Using MoSe ₂ Nanosheet-Assembled Nanospheres as Templates. <i>Research</i> , 2019, 2019, 6439734.	2.8	7
53	Epitaxial growth of hybrid nanostructures. <i>Nature Reviews Materials</i> , 2018, 3, .	23.3	318
54	Roll-to-Roll Manufacturing of Robust Superhydrophobic Coating on Metallic Engineering Materials. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2174-2184.	4.0	43

#	ARTICLE	IF	CITATIONS
55	Preparation of High-Percentage 1T-Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2018, 30, 1705509.	11.1	341
56	Dreidimensionale Architekturen aus Übergangsmetall-Dichalkogenid-Nanomaterialien zur elektrochemischen Energiespeicherung und -umwandlung. <i>Angewandte Chemie</i> , 2018, 130, 634-655.	1.6	37
57	Three-Dimensional Architectures Constructed from Transition-Metal Dichalcogenide Nanomaterials for Electrochemical Energy Storage and Conversion. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 626-646.	7.2	398
58	Hybridization of MOFs and COFs: A New Strategy for Construction of MOF@COF Core-Shell Hybrid Materials. <i>Advanced Materials</i> , 2018, 30, 1705454.	11.1	318
59	Lithiation-induced amorphization of Pd ₃ P ₂ S ₈ for highly efficient hydrogen evolution. <i>Nature Catalysis</i> , 2018, 1, 460-468.	16.1	247
60	Preparation of 1T-Phase ReS ₂ Se ₂ (1-x) (x = 0-1) Nanodots for Highly Efficient Electrocatalytic Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2018, 140, 8563-8568.	6.6	104
61	Solution-Synthesized High-Mobility Tellurium Nanoflakes for Short-Wave Infrared Photodetectors. <i>ACS Nano</i> , 2018, 12, 7253-7263.	7.3	298
62	Ternary Chalcogenide Nanosheets with Ultrahigh Photothermal Conversion Efficiency for Photoacoustic Theranostics. <i>Small</i> , 2017, 13, 1604139.	5.2	83
63	Hybrid micro-/nano-structures derived from metal-organic frameworks: preparation and applications in energy storage and conversion. <i>Chemical Society Reviews</i> , 2017, 46, 2660-2677.	18.7	866
64	Preparation of Ultrathin Two-Dimensional Ti _x Ta _{1-x} S _y O _z Nanosheets as Highly Efficient Photothermal Agents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7842-7846.	7.2	59
65	Preparation of Ultrathin Two-Dimensional Ti _x Ta _{1-x} S _y O _z Nanosheets as Highly Efficient Photothermal Agents. <i>Angewandte Chemie</i> , 2017, 129, 7950-7954.	1.6	11
66	Growth of Au Nanoparticles on 2D Metalloporphyrinic Metal-Organic Framework Nanosheets Used as Biomimetic Catalysts for Cascade Reactions. <i>Advanced Materials</i> , 2017, 29, 1700102.	11.1	384
67	Recent Advances in Cantilever-Free Scanning Probe Lithography: High-Throughput, Space-Confined Synthesis of Nanostructures and Beyond. <i>ACS Nano</i> , 2017, 11, 4381-4386.	7.3	21
68	Ultrathin Two-Dimensional Covalent Organic Framework Nanosheets: Preparation and Application in Highly Sensitive and Selective DNA Detection. <i>Journal of the American Chemical Society</i> , 2017, 139, 8698-8704.	6.6	440
69	Ultrathin Two-Dimensional Organic-Inorganic Hybrid Perovskite Nanosheets with Bright, Tunable Photoluminescence and High Stability. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4252-4255.	7.2	206
70	Ultrathin Two-Dimensional Organic-Inorganic Hybrid Perovskite Nanosheets with Bright, Tunable Photoluminescence and High Stability. <i>Angewandte Chemie</i> , 2017, 129, 4316-4319.	1.6	21
71	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. <i>Chemical Reviews</i> , 2017, 117, 6225-6331.	23.0	3,940
72	A Robust Hybrid Zn-Battery with Ultralong Cycle Life. <i>Nano Letters</i> , 2017, 17, 156-163.	4.5	138

#	ARTICLE	IF	CITATIONS
73	Ultrathin Two-Dimensional Multinary Layered Metal Chalcogenide Nanomaterials. <i>Advanced Materials</i> , 2017, 29, 1701392.	11.1	242
74	Synthesis of WO_2 ($n=2.7, 2.9$; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. <i>Angewandte Chemie</i> , 2017, 129, 10622-10626.	1.6	7
75	Synthesis of WO_2 ($n=2.7, 2.9$; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10486-10490.	7.2	21
76	Preparation of graphene-MoS ₂ hybrid aerogels as multifunctional sorbents for water remediation. <i>Science China Materials</i> , 2017, 60, 1102-1108.	3.5	27
77	Single-Layer Ternary Chalcogenide Nanosheet as a Fluorescence-Based "Capture-Release" Biomolecular Nanosensor. <i>Small</i> , 2017, 13, 1601925.	5.2	29
78	Two-dimensional transition metal dichalcogenide nanomaterials for biosensing applications. <i>Materials Chemistry Frontiers</i> , 2017, 1, 24-36.	3.2	173
79	Self-Assembly of Two-Dimensional Nanosheets into One-Dimensional Nanostructures. <i>Chem</i> , 2016, 1, 59-77.	5.8	92
80	Lösungsprozessierte MoS ₂ -Nanoplättchen: Herstellung, Hybridisierung und Anwendungen. <i>Angewandte Chemie</i> , 2016, 128, 8960-8984.	1.6	52
81	Preparation of Single-Layer MoS ₂ /Se ₂ (1-x)/S ₂ and Mo _x W _{1-x} S ₂ Nanosheets with High-Concentration Metallic 1T Phase. <i>Small</i> , 2016, 12, 1866-1874.	5.2	126
82	Solution-Processed Two-Dimensional MoS ₂ Nanosheets: Preparation, Hybridization, and Applications. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8816-8838.	7.2	557
83	Bioinspired Design of Ultrathin 2D Bimetallic Metal-Organic Framework Nanosheets Used as Biomimetic Enzymes. <i>Advanced Materials</i> , 2016, 28, 4149-4155.	11.1	440
84	Synthesis of Two-Dimensional CoS _{1.097} /Nitrogen-Doped Carbon Nanocomposites Using Metal-Organic Framework Nanosheets as Precursors for Supercapacitor Application. <i>Journal of the American Chemical Society</i> , 2016, 138, 6924-6927.	6.6	591
85	Preparation of Cobalt Sulfide Nanoparticle-Decorated Nitrogen and Sulfur Co-Doped Reduced Graphene Oxide Aerogel Used as a Highly Efficient Electrocatalyst for Oxygen Reduction Reaction. <i>Small</i> , 2016, 12, 5920-5926.	5.2	65
86	One-Pot Synthesis of Highly Anisotropic Five-Fold 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
87	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. <i>Small</i> , 2016, 12, 4669-4674.	5.2	101
88	Self-Assembly of Single-Layer CoAl-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
89	Solution-Processed Two-Dimensional Metal Dichalcogenide-Based Nanomaterials for Energy Storage and Conversion. <i>Advanced Materials</i> , 2016, 28, 6167-6196.	11.1	438
90	Preparation and applications of novel composites composed of metal-organic frameworks and two-dimensional materials. <i>Chemical Communications</i> , 2016, 52, 1555-1562.	2.2	56

#	ARTICLE	IF	CITATIONS
91	Controlled growth of high-density CdS and CdSe nanorod arrays on selective facets of two-dimensional semiconductor nanoplates. <i>Nature Chemistry</i> , 2016, 8, 470-475.	6.6	177
92	Carbon-Based Sorbents with Three-Dimensional Architectures for Water Remediation (Small) $T_j ETQq0.0.0 rgBT / Q\overlock 1$	5.2	166
93	Two-dimensional NiCo ₂ O ₄ nanosheet-coated three-dimensional graphene networks for high-rate, long-cycle-life supercapacitors. <i>Nanoscale</i> , 2015, 7, 7035-7039.	2.8	134
94	Self-Assembled Chiral Nanofibers from Ultrathin Low-Dimensional Nanomaterials. <i>Journal of the American Chemical Society</i> , 2015, 137, 1565-1571.	6.6	123
95	Black Phosphorus Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3653-3657.	7.2	594
96	AuAg Nanosheets Assembled from Ultrathin AuAg Nanowires. <i>Journal of the American Chemical Society</i> , 2015, 137, 1444-1447.	6.6	68
97	A Facile and Universal Top-Down Method for Preparation of Monodisperse Transition-Metal Dichalcogenide Nanodots. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5425-5428.	7.2	185
98	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
99	Sensors: DNA-Templated Silver Nanoclusters for Multiplexed Fluorescent DNA Detection (Small) $T_j ETQq1 1 0.784314 rgBT / Q\overlock 1$	5.2	166
100	Non-volatile resistive memory devices based on solution-processed ultrathin two-dimensional nanomaterials. <i>Chemical Society Reviews</i> , 2015, 44, 2615-2628.	18.7	302
101	Carbon-Based Sorbents with Three-Dimensional Architectures for Water Remediation. <i>Small</i> , 2015, 11, 3319-3336.	5.2	166
102	Wet-chemical synthesis and applications of non-layer structured two-dimensional nanomaterials. <i>Nature Communications</i> , 2015, 6, 7873.	5.8	526
103	Epitaxial Growth of Hetero-Nanostructures Based on Ultrathin Two-Dimensional Nanosheets. <i>Journal of the American Chemical Society</i> , 2015, 137, 12162-12174.	6.6	218
104	Ordered Porous Pd Octahedra Covered with Monolayer Ru Atoms. <i>Journal of the American Chemical Society</i> , 2015, 137, 14566-14569.	6.6	59
105	Liquid-Phase Epitaxial Growth of Two-Dimensional Semiconductor Hetero-nanostructures. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1841-1845.	7.2	88
106	Two-dimensional graphene analogues for biomedical applications. <i>Chemical Society Reviews</i> , 2015, 44, 2681-2701.	18.7	786
107	DNA-Templated Silver Nanoclusters for Multiplexed Fluorescent DNA Detection. <i>Small</i> , 2015, 11, 1385-1389.	5.2	106
108	Single-Layer Transition Metal Dichalcogenide Nanosheet-Based Nanosensors for Rapid, Sensitive, and Multiplexed Detection of DNA. <i>Advanced Materials</i> , 2015, 27, 935-939.	11.1	322

#	ARTICLE	IF	CITATIONS
109	Synthesis, properties and applications of one- and two-dimensional gold nanostructures. <i>Nano Research</i> , 2015, 8, 40-55.	5.8	97
110	Two-dimensional transition metal dichalcogenide nanosheet-based composites. <i>Chemical Society Reviews</i> , 2015, 44, 2713-2731.	18.7	1,405
111	Thin metal nanostructures: synthesis, properties and applications. <i>Chemical Science</i> , 2015, 6, 95-111.	3.7	198
112	Single-layer Transition Metal Dichalcogenide Nanosheet-Assisted Assembly of Aggregation-Induced Emission Molecules to Form Organic Nanosheets with Enhanced Fluorescence. <i>Advanced Materials</i> , 2014, 26, 1735-1739.	11.1	77
113	Graphene-Based Materials for Solar Cell Applications. <i>Advanced Energy Materials</i> , 2014, 4, 1300574.	10.2	398
114	Electrochemically "Writing" Graphene from Graphene Oxide. <i>Small</i> , 2014, 10, 3555-3559.	5.2	27
115	25th Anniversary Article: Hybrid Nanostructures Based on Two-Dimensional Nanomaterials. <i>Advanced Materials</i> , 2014, 26, 2185-2204.	11.1	579
116	Soft Matter Anion Sensing Based on Lanthanide (Eu ³⁺ and Tb ³⁺) Luminescent Hydrogels. <i>Soft Materials</i> , 2014, 12, 98-102.	0.8	10
117	Carbon Microbelt Aerogel Prepared by Waste Paper: An Efficient and Recyclable Sorbent for Oils and Organic Solvents. <i>Small</i> , 2014, 10, 3544-3550.	5.2	196
118	Ultrathin S-doped MoSe ₂ nanosheets for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5597-5601.	5.2	317
119	Growth of noble metal nanoparticles on single-layer TiS ₂ and TaS ₂ nanosheets for hydrogen evolution reaction. <i>Energy and Environmental Science</i> , 2014, 7, 797-803.	15.6	323
120	Triangular Ag-Pd alloy nanoprisms: rational synthesis with high-efficiency for electrocatalytic oxygen reduction. <i>Nanoscale</i> , 2014, 6, 11738-11743.	2.8	43
121	Coating Two-Dimensional Nanomaterials with Metal-Organic Frameworks. <i>ACS Nano</i> , 2014, 8, 8695-8701.	7.3	168
122	A Universal Method for Preparation of Noble Metal Nanoparticle-Decorated Transition Metal Dichalcogenide Nanobelts. <i>Advanced Materials</i> , 2014, 26, 6250-6254.	11.1	71
123	Liquid-phase growth of platinum nanoparticles on molybdenum trioxide nanosheets: an enhanced catalyst with intrinsic peroxidase-like catalytic activity. <i>Nanoscale</i> , 2014, 6, 12340-12344.	2.8	82
124	Novel pH Induced Reversible Luminescent Lanthanide Hydrogels. <i>Journal of Cluster Science</i> , 2013, 24, 449-458.	1.7	7
125	Ni ₃ S ₂ nanorods/Ni foam composite electrode with low overpotential for electrocatalytic oxygen evolution. <i>Energy and Environmental Science</i> , 2013, 6, 2921.	15.6	939
126	Carbon Fiber Aerogel Made from Raw Cotton: A Novel, Efficient and Recyclable Sorbent for Oils and Organic Solvents. <i>Advanced Materials</i> , 2013, 25, 5916-5921.	11.1	600

#	ARTICLE	IF	CITATIONS
127	Electrochemical signal response for vitamin B1 using terbium luminescent nanoscale building blocks as optical sensors. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 1176-1182.	4.0	20
128	Synthesis of graphene-conjugated polymer nanocomposites for electronic device applications. <i>Nanoscale</i> , 2013, 5, 1440.	2.8	80
129	Synthesis and applications of graphene-based noble metal nanostructures. <i>Materials Today</i> , 2013, 16, 29-36.	8.3	257
130	Graphene-Based Electrochemical Sensors. <i>Small</i> , 2013, 9, 1160-1172.	5.2	526
131	From molecule to complex: Design of smart fluorescent anion-sensors. <i>Optical Materials</i> , 2013, 35, 1157-1161.	1.7	5
132	Luminescent Cu ²⁺ Probes Based on Rare-Earth (Eu ³⁺ and Tb ³⁺) Emissive Transparent Cellulose Hydrogels. <i>Journal of Fluorescence</i> , 2012, 22, 1581-1586.	1.3	21
133	Two novel europium (III) centered anion receptors and their naked eye detections. <i>Synthetic Metals</i> , 2012, 162, 1416-1420.	2.1	8
134	A targetable fluorescent sensor for hypochlorite based on a luminescent europium complex loaded carbon nanotube. <i>Analyst</i> , 2012, 137, 1872.	1.7	30
135	Selective signaling of fluoride anion based on imidazole moieties. <i>Luminescence</i> , 2012, 27, 302-306.	1.5	6
136	A luminescent lanthanide complex-based anion sensor with electron-donating methoxy groups for monitoring multiple anions in environmental and biological processes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 96, 387-394.	2.0	38
137	Optical and electrochemical responses of an anthrax biomarker based on single-walled carbon nanotubes covalently loaded with terbium complexes. <i>Chemical Communications</i> , 2011, 47, 12521.	2.2	109
138	Terbium hybrid particles with spherical shape as luminescent probe for detection of Cu ²⁺ and Fe ³⁺ in water. <i>Analytica Chimica Acta</i> , 2011, 708, 111-115.	2.6	41
139	Reversible Terbium Luminescent Polyelectrolyte Hydrogels for Detection of H ₂ PO ₄ ²⁻ and HSO ₄ ⁻ in Water. <i>Inorganic Chemistry</i> , 2011, 50, 2953-2956.	1.9	64
140	Anion Responsive Dibenzoyl-L-cysteine and Luminescent Lanthanide Soft Material. <i>Photochemistry and Photobiology</i> , 2011, 87, 641-645.	1.3	5
141	Anion/Cation Induced Optical Switches Based on Luminescent Lanthanide (Tb ³⁺ and Tj ETQq1 1 0.784314 rgBT ₂₇ /Overlock	1.3	27
142	2-(3-Pyridyl)imidazole-4,5-dicarboxylic acid based lanthanide luminescent anion sensor. <i>Solid State Sciences</i> , 2011, 13, 1687-1691.	1.5	17
143	Recognition of H ₂ PO ₄ ⁻ and Cu ²⁺ in Water by Luminescent Terbium Silica Xerogel. <i>Journal of Fluorescence</i> , 2011, 21, 1117-1122.	1.3	13
144	Photophysical studies of novel lanthanide (Eu ³⁺ and Tb ³⁺) luminescent hydrogels. <i>Inorganic Chemistry Communication</i> , 2011, 14, 515-518.	1.8	16

#	ARTICLE	IF	CITATIONS
145	Eu ³⁺ chelate with phenanthroline derivative gives selective emission responses to Cu(II) ions. Journal of Organometallic Chemistry, 2011, 696, 829-831.	0.8	18
146	Optical Properties of Two Novel Terbium Thermo-Sensitive Poly(<i>N</i> -Isopropylacrylamide) Gels. Advanced Materials Research, 2011, 399-401, 886-889.	0.3	0
147	Anion/Cation (H ₂ PO ₄ ⁻ and Fe ³⁺) induced dual luminescence quenching effect based on terbium solid sensor. Journal of Rare Earths, 2010, 28, 888-892.	2.5	6
148	Fluorescent ⁺ based Solid Sensor for HSO ₄ ⁻ in Water. Photochemistry and Photobiology, 2010, 86, 1191-1196.	1.3	33
149	Emission response towards three anions (F ⁻ , HSO ₄ ⁻ and AcO ⁻) by a luminescent europium ternary complex with a 2-arylimidazole-1,10-phenanthroline conjugate. Photochemical and Photobiological Sciences, 2010, 9, 791-795.	1.6	36
150	A New Fluoride Luminescence Quencher Based on a Nanostructured Covalently Bonded Terbium Hybrid Material. Journal of Physical Chemistry C, 2010, 114, 13879-13883.	1.5	61
151	Luminescence recognition behavior concerning different anions by lanthanide complex equipped with electron-withdraw groups and in PMMA matrix. Synthetic Metals, 2010, 160, 1780-1786.	2.1	16
152	Simultaneously enhancing moisture and mechanical stability of flexible perovskite solar cells via a polyimide interfacial layer. , 0, , .		3