

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

9264

74
h-index

6836

155
g-index

167
all docs

167
docs citations

167
times ranked

30280
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. <i>Chemical Reviews</i> , 2017, 117, 6225-6331.	47.7	3,940
2	Two-dimensional transition metal dichalcogenide nanosheet-based composites. <i>Chemical Society Reviews</i> , 2015, 44, 2713-2731.	38.1	1,405
3	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.	30.8	939
4	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.	38.1	866
5	Two-dimensional graphene analogues for biomedical applications. <i>Chemical Society Reviews</i> , 2015, 44, 2681-2701.	38.1	786
6	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.	21.0	600
7	Black Phosphorus Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3653-3657.	13.8	594
8	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.	13.7	591
9	25th Anniversary Article: Hybrid Nanostructures Based on Two-Dimensional Nanomaterials. <i>Advanced Materials</i> , 2014, 26, 2185-2204.	21.0	579
10	Solution-Processed Two-Dimensional MoS ₂ Nanosheets: Preparation, Hybridization, and Applications. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8816-8838.	13.8	557
11	Graphene-Based Electrochemical Sensors. <i>Small</i> , 2013, 9, 1160-1172.	10.0	526
12	Wet-chemical synthesis and applications of non-layer structured two-dimensional nanomaterials. <i>Nature Communications</i> , 2015, 6, 7873.	12.8	526
13	Bioinspired Design of Ultrathin 2D Bimetallic Metal-Organic Framework Nanosheets Used as Biomimetic Enzymes. <i>Advanced Materials</i> , 2016, 28, 4149-4155.	21.0	440
14	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.	13.7	440
15	Solution-Processed Two-Dimensional Metal Dichalcogenide-Based Nanomaterials for Energy Storage and Conversion. <i>Advanced Materials</i> , 2016, 28, 6167-6196.	21.0	438
16	Phase engineering of nanomaterials. <i>Nature Reviews Chemistry</i> , 2020, 4, 243-256.	30.2	438
17	Graphene-Based Materials for Solar Cell Applications. <i>Advanced Energy Materials</i> , 2014, 4, 1300574.	19.5	398
18	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.	13.8	398

#	ARTICLE	IF	CITATIONS
19	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.	21.0	384
20	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.	21.0	355
21	Preparation of High-Percentage 1T-Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2018, 30, 1705509.	21.0	341
22	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.	21.0	336
23	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.	30.8	323
24	Single-Layer Transition Metal Dichalcogenide Nanosheet-Based Nanosensors for Rapid, Sensitive, and Multiplexed Detection of DNA. <i>Advanced Materials</i> , 2015, 27, 935-939.	21.0	322
25	Epitaxial growth of hybrid nanostructures. <i>Nature Reviews Materials</i> , 2018, 3, .	48.7	318
26	Hybridization of MOFs and COFs: A New Strategy for Construction of MOF@COF Core-Shell Hybrid Materials. <i>Advanced Materials</i> , 2018, 30, 1705454.	21.0	318
27	Ultrathin S-doped MoSe_2 nanosheets for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5597-5601.	10.3	317
28	Non-volatile resistive memory devices based on solution-processed ultrathin two-dimensional nanomaterials. <i>Chemical Society Reviews</i> , 2015, 44, 2615-2628.	38.1	302
29	Solution-Synthesized High-Mobility Tellurium Nanoflakes for Short-Wave Infrared Photodetectors. <i>ACS Nano</i> , 2018, 12, 7253-7263.	14.6	298
30	Recent Progress on Two-Dimensional Materials. <i>Wuli Huaxue Xuebao/ Acta Physico-Chimica Sinica</i> , 2021, .	4.9	269
31	Synthesis and applications of graphene-based noble metal nanostructures. <i>Materials Today</i> , 2013, 16, 29-36.	14.2	257
32	Lithiation-induced amorphization of $\text{Pd}_3\text{P}_2\text{S}_8$ for highly efficient hydrogen evolution. <i>Nature Catalysis</i> , 2018, 1, 460-468.	34.4	247
33	Ultrathin Two-Dimensional Multinary Layered Metal Chalcogenide Nanomaterials. <i>Advanced Materials</i> , 2017, 29, 1701392.	21.0	242
34	Epitaxial Growth of Hetero-Nanostructures Based on Ultrathin Two-Dimensional Nanosheets. <i>Journal of the American Chemical Society</i> , 2015, 137, 12162-12174.	13.7	218
35	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.	13.7	214
36	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.	13.8	206

#	ARTICLE	IF	CITATIONS
37	Thin metal nanostructures: synthesis, properties and applications. <i>Chemical Science</i> , 2015, 6, 95-111.	7.4	198
38	Carbon Microbelt Aerogel Prepared by Waste Paper: An Efficient and Recyclable Sorbent for Oils and Organic Solvents. <i>Small</i> , 2014, 10, 3544-3550.	10.0	196
39	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.	13.8	185
40	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.	13.7	185
41	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.	13.6	177
42	Two-dimensional transition metal dichalcogenide nanomaterials for biosensing applications. <i>Materials Chemistry Frontiers</i> , 2017, 1, 24-36.	5.9	173
43	Coating Two-Dimensional Nanomaterials with Metal-Organic Frameworks. <i>ACS Nano</i> , 2014, 8, 8695-8701.	14.6	168
44	Carbon-Based Sorbents with Three-Dimensional Architectures for Water Remediation. <i>Small</i> , 2015, 11, 3319-3336.	10.0	166
45	Evaporated tellurium thin films for p-type field-effect transistors and circuits. <i>Nature Nanotechnology</i> , 2020, 15, 53-58.	31.5	153
46	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.	10.0	150
47	A Robust Hybrid Zn-Battery with Ultralong Cycle Life. <i>Nano Letters</i> , 2017, 17, 156-163.	9.1	138
48	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.	5.6	134
49	Layered double hydroxide-based nanomaterials for biomedical applications. <i>Chemical Society Reviews</i> , 2022, 51, 6126-6176.	38.1	133
50	Preparation of Single-Layer MoS ₂ and MoS ₂ Se and MoS ₂ W Nanosheets with High-Concentration Metallic 1T Phase. <i>Small</i> , 2016, 12, 1866-1874.	10.0	126
51	Self-Assembled Chiral Nanofibers from Ultrathin Low-Dimensional Nanomaterials. <i>Journal of the American Chemical Society</i> , 2015, 137, 1565-1571.	13.7	123
52	Metastable 1T ⁻² -phase group VIB transition metal dichalcogenide crystals. <i>Nature Materials</i> , 2021, 20, 1113-1120.	27.5	119
53	Phase-Selective Epitaxial Growth of Heterophase Nanostructures on Unconventional 2H-Pd Nanoparticles. <i>Journal of the American Chemical Society</i> , 2020, 142, 18971-18980.	13.7	111
54	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.	4.1	109

#	ARTICLE	IF	CITATIONS
55	A Safe Flexible Self-Powered Wristband System by Integrating Defective MnO ₂ Nanosheet-Based Zinc-Ion Batteries with Perovskite Solar Cells. ACS Nano, 2021, 15, 10597-10608.	14.6	109
56	Intercalation-Activated Layered MoO ₃ Nanobelts as Biodegradable Nanozymes for Tumor-Specific Photo-Enhanced Catalytic Therapy. Angewandte Chemie - International Edition, 2022, 61, .	13.8	109
57	DNA-Templated Silver Nanoclusters for Multiplexed Fluorescent DNA Detection. Small, 2015, 11, 1385-1389.	10.0	106
58	Preparation of 1T ² -Phase ReS ₂ Se ₂ (1-x) (x = 0-1) Nanodots for Highly Efficient Electrocatalytic Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2018, 140, 8563-8568.	13.7	104
59	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metal-Organic Framework Nanosheets. Small, 2016, 12, 4669-4674.	10.0	101
60	Selective Epitaxial Growth of Oriented Hierarchical Metal-Organic Framework Heterostructures. Journal of the American Chemical Society, 2020, 142, 8953-8961.	13.7	100
61	Synthesis of Palladium-Based Crystalline@Amorphous Core-Shell Nanoplates for Highly Efficient Ethanol Oxidation. Advanced Materials, 2020, 32, e2000482.	21.0	98
62	Synthesis, properties and applications of one- and two-dimensional gold nanostructures. Nano Research, 2015, 8, 40-55.	10.4	97
63	Defect engineering of layered double hydroxide nanosheets as inorganic photosensitizers for NIR-III photodynamic cancer therapy. Nature Communications, 2022, 13, .	12.8	95
64	Activating Layered Metal Oxide Nanomaterials via Structural Engineering as Biodegradable Nanoagents for Photothermal Cancer Therapy. Small, 2021, 17, e2007486.	10.0	94
65	Two-Dimensional Nanomaterials with Unconventional Phases. Chem, 2020, 6, 1237-1253.	11.7	93
66	Self-Assembly of Two-Dimensional Nanosheets into One-Dimensional Nanostructures. Chem, 2016, 1, 59-77.	11.7	92
67	Liquid-Phase Epitaxial Growth of Two-Dimensional Semiconductor Hetero-nanostructures. Angewandte Chemie - International Edition, 2015, 54, 1841-1845.	13.8	88
68	A Nb ₂ CTx/sodium alginate-based composite film with neuron-like network for self-powered humidity sensing. Chemical Engineering Journal, 2022, 438, 135588.	12.7	86
69	Infrared Photodetectors Based on 2D Materials and Nanophotonics. Advanced Functional Materials, 2022, 32, .	14.9	86
70	Intramolecular Hydrogen Bonding-Based Topology Regulation of Two-Dimensional Covalent Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 13162-13169.	13.7	85
71	Ternary Chalcogenide Nanosheets with Ultrahigh Photothermal Conversion Efficiency for Photoacoustic Theranostics. Small, 2017, 13, 1604139.	10.0	83
72	Liquid-phase growth of platinum nanoparticles on molybdenum trioxide nanosheets: an enhanced catalyst with intrinsic peroxidase-like catalytic activity. Nanoscale, 2014, 6, 12340-12344.	5.6	82

#	ARTICLE	IF	CITATIONS
73	Synthesis of grapheneâ€“conjugated polymer nanocomposites for electronic device applications. <i>Nanoscale</i> , 2013, 5, 1440.	5.6	80
74	Singleâ€“Layer Transition Metal Dichalcogenide Nanosheetâ€“Assisted Assembly of Aggregationâ€“Induced Emission Molecules to Form Organic Nanosheets with Enhanced Fluorescence. <i>Advanced Materials</i> , 2014, 26, 1735-1739.	21.0	77
75	Optical and electrical properties of two-dimensional palladium diselenide. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	74
76	Quest for p-Type Two-Dimensional Semiconductors. <i>ACS Nano</i> , 2019, 13, 12294-12300.	14.6	72
77	A Universal Method for Preparation of Noble Metal Nanoparticleâ€“Decorated Transition Metal Dichalcogenide Nanobelts. <i>Advanced Materials</i> , 2014, 26, 6250-6254.	21.0	71
78	AuAg Nanosheets Assembled from Ultrathin AuAg Nanowires. <i>Journal of the American Chemical Society</i> , 2015, 137, 1444-1447.	13.7	68
79	Ultrathin Amorphous/Crystalline Heterophase Rh and Rh Alloy Nanosheets as Tandem Catalysts for Direct Indole Synthesis. <i>Advanced Materials</i> , 2021, 33, e2006711.	21.0	68
80	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.	10.0	65
81	Synthesis of Pd ₃ Sn and PdCuSn Nanorods with L ₁ 2 Phase for Highly Efficient Electrocatalytic Ethanol Oxidation. <i>Advanced Materials</i> , 2022, 34, e2106115.	21.0	65
82	Reversible Terbium Luminescent Polyelectrolyte Hydrogels for Detection of H ₂ PO ₄ ³⁻ and HSO ₄ ²⁻ in Water. <i>Inorganic Chemistry</i> , 2011, 50, 2953-2956.	4.0	64
83	Two-dimensional alloyed transition metal dichalcogenide nanosheets: Synthesis and applications. <i>Chinese Chemical Letters</i> , 2022, 33, 163-176.	9.0	63
84	A New Fluoride Luminescence Quencher Based on a Nanostructured Covalently Bonded Terbium Hybrid Material. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13879-13883.	3.1	61
85	Ordered Porous Pd Octahedra Covered with Monolayer Ru Atoms. <i>Journal of the American Chemical Society</i> , 2015, 137, 14566-14569.	13.7	59
86	Preparation of Ultrathin Twoâ€“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.	13.8	59
87	Edgeâ€“Enriched Mo ₂ Ti ₂ T _x /MoS ₂ Heterostructure with Coupling Interface for Selective NO ₂ Monitoring. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	58
88	Unconventional-Phase Crystalline Materials Constructed from Multiscale Building Blocks. <i>Chemical Reviews</i> , 2021, 121, 5830-5888.	47.7	57
89	Preparation and applications of novel composites composed of metalâ€“organic frameworks and two-dimensional materials. <i>Chemical Communications</i> , 2016, 52, 1555-1562.	4.1	56
90	Growth of Cu ₂ O Nanoparticles on Two-Dimensional Zrâ€“Ferroceneâ€“Metalâ€“Organic Framework Nanosheets for Photothermally Enhanced Chemodynamic Antibacterial Therapy. <i>Inorganic Chemistry</i> , 2022, 61, 9328-9338.	4.0	55

#	ARTICLE	IF	CITATIONS
91	L�ngungsprozessierte MoS ₂ -Nanoplat�tchen: Herstellung, Hybridisierung und Anwendungen. <i>Angewandte Chemie</i> , 2016, 128, 8960-8984.	2.0	52
92	Evaporated Se _x Te _{1-x} Thin Films with Tunable Bandgaps for Short-Wave Infrared Photodetectors. <i>Advanced Materials</i> , 2020, 32, e2001329.	21.0	49
93	Recent advances in wearable self-powered energy systems based on flexible energy storage devices integrated with flexible solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18887-18905.	10.3	47
94	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.	12.7	45
95	Triangular Ag-Pd alloy nanoprisms: rational synthesis with high-efficiency for electrocatalytic oxygen reduction. <i>Nanoscale</i> , 2014, 6, 11738-11743.	5.6	43
96	Roll-to-Roll Manufacturing of Robust Superhydrophobic Coating on Metallic Engineering Materials. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2174-2184.	8.0	43
97	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.	5.4	41
98	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.	3.9	38
99	Ultrathin 2D Copper(I) 1,2,4-Triazolate Coordination Polymer Nanosheets for Efficient and Selective Gene Silencing and Photodynamic Therapy. <i>Advanced Materials</i> , 2021, 33, e2100849.	21.0	38
100	Metallic phase enabling MoS ₂ nanosheets as an efficient sonosensitizer for photothermal-enhanced sonodynamic antibacterial therapy. <i>Journal of Nanobiotechnology</i> , 2022, 20, 136.	9.1	38
101	Dreidimensionale Architekturen aus �bergangsmetall-Dichalkogenid-Nanomaterialien zur elektrochemischen Energiespeicherung und �mwandlung. <i>Angewandte Chemie</i> , 2018, 130, 634-655.	2.0	37
102	Emission response towards three anions (F ⁻ , HSO ₄ ⁻ and AcO ⁻) by a luminescent europium ternary complex with a 2-arylimidazole-1,10-phenanthroline conjugate. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 791-795.	2.9	36
103	Fluorescent-based Solid Sensor for HSO ₄ ⁻ in Water. <i>Photochemistry and Photobiology</i> , 2010, 86, 1191-1196.	2.5	33
104	A universal method for rapid and large-scale growth of layered crystals. <i>SmartMat</i> , 2020, 1, e1011.	10.7	33
105	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.	10.4	32
106	Growth of Tellurium Nanobelts on h-BN for p-type Transistors with Ultrahigh Hole Mobility. <i>Nano-Micro Letters</i> , 2022, 14, 109.	27.0	31
107	A targetable fluorescent sensor for hypochlorite based on a luminescent europium complex loaded carbon nanotube. <i>Analyst</i> , 2012, 137, 1872.	3.5	30
108	Single-Layer Ternary Chalcogenide Nanosheet as a Fluorescence-Based "Capture-Release" Biomolecular Nanosensor. <i>Small</i> , 2017, 13, 1601925.	10.0	29

#	ARTICLE	IF	CITATIONS
109	Nanodots Derived from Layered Materials: Synthesis and Applications. <i>Advanced Materials</i> , 2021, 33, e2006661.	21.0	29
110	Transition metal dichalcogenide/multi-walled carbon nanotube-based fibers as flexible electrodes for electrocatalytic hydrogen evolution. <i>Chemical Communications</i> , 2020, 56, 5131-5134.	4.1	28
111	Anion/Cation Induced Optical Switches Based on Luminescent Lanthanide (Tb ³⁺ and Tj ETQq1 1 0.784314 rgBT/Overlo	2.5	27
112	Electrochemically "Writing" Graphene from Graphene Oxide. <i>Small</i> , 2014, 10, 3555-3559.	10.0	27
113	Preparation of graphene-MoS ₂ hybrid aerogels as multifunctional sorbents for water remediation. <i>Science China Materials</i> , 2017, 60, 1102-1108.	6.3	27
114	In-Situ Probing of Crystal-Phase-Dependent Photocatalytic Activities of Au Nanostructures by Surface-Enhanced Raman Spectroscopy. , 2020, 2, 409-414.		22
115	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.	2.5	21
116	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.	14.6	21
117	Ultrathin Two-Dimensional Organic-Inorganic Hybrid Perovskite Nanosheets with Bright, Tunable Photoluminescence and High Stability. <i>Angewandte Chemie</i> , 2017, 129, 4316-4319.	2.0	21
118	Synthesis of WO ₃ /WX ₂ (X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10486-10490.	13.8	21
119	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.	7.8	20
120	Centimeter-Scale and Visible Wavelength Monolayer Light-Emitting Devices. <i>Advanced Functional Materials</i> , 2020, 30, 1907941.	14.9	20
121	Graphene-based mid-infrared photodetectors using metamaterials and related concepts. <i>Applied Physics Reviews</i> , 2021, 8, .	11.3	20
122	Eu ³⁺ chelate with phenanthroline derivative gives selective emission responses to Cu(II) ions. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 829-831.	1.8	18
123	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.	6.1	18
124	Preparation of Dye Molecule-Intercalated MoO ₃ Organic/Inorganic Superlattice Nanoparticles for Fluorescence Imaging-Guided Catalytic Therapy. <i>Small</i> , 2022, 18, .	10.0	18
125	2-(3-Pyridyl)imidazole-4,5-dicarboxylic acid based lanthanide luminescent anion sensor. <i>Solid State Sciences</i> , 2011, 13, 1687-1691.	3.2	17
126	Luminescence recognition behavior concerning different anions by lanthanide complex equipped with electron-withdraw groups and in PMMA matrix. <i>Synthetic Metals</i> , 2010, 160, 1780-1786.	3.9	16

#	ARTICLE	IF	CITATIONS
127	Photophysical studies of novel lanthanide (Eu ³⁺ and Tb ³⁺) luminescent hydrogels. Inorganic Chemistry Communication, 2011, 14, 515-518.	3.9	16
128	A simple electrochemical method for conversion of Pt wires to Pt concave icosahedra and nanocubes on carbon paper for electrocatalytic hydrogen evolution. Science China Materials, 2019, 62, 115-121.	6.3	16
129	Intercalation-Activated Layered MoO ₃ Nanobelts as Biodegradable Nanozymes for Tumor-Specific Photo-Enhanced Catalytic Therapy. Angewandte Chemie, 2022, 134, .	2.0	16
130	Recognition of H ₂ PO ₄ ⁻ and Cu ²⁺ in Water by Luminescent Terbium Silica Xerogel. Journal of Fluorescence, 2011, 21, 1117-1122.	2.5	13
131	General Synthesis of Ordered Mesoporous Carbonaceous Hybrid Nanostructures with Molecularly Dispersed Polyoxometallates. Angewandte Chemie - International Edition, 2021, 60, 15556-15562.	13.8	13
132	Preparation of Ultrathin Two-Dimensional Ti _x Ta _{1-x} S _y O _z Nanosheets as Highly Efficient Photothermal Agents. Angewandte Chemie, 2017, 129, 7950-7954.	2.0	11
133	Soft Matter Anion Sensing Based on Lanthanide (Eu ³⁺ and Tb ³⁺) Luminescent Hydrogels. Soft Materials, 2014, 12, 98-102.	1.7	10
134	Two novel europium (III) centered anion receptors and their naked eye detections. Synthetic Metals, 2012, 162, 1416-1420.	3.9	8
135	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.	10.0	8
136	Self-Assembly of 2D Nanosheets into 1D Nanostructures for Sensing NO ₂ . Small Structures, 2021, 2, 2100067.	12.0	8
137	Novel pH Induced Reversible Luminescent Lanthanide Hydrogels. Journal of Cluster Science, 2013, 24, 449-458.	3.3	7
138	Synthesis of WO _n -WX ₂ (n=2.7, 2.9; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Light-Emitting Diodes. Angewandte Chemie, 2017, 129, 10622-10626.	2.0	7
139	A General Method for the Synthesis of Hybrid Nanostructures Using MoSe ₂ Nanosheet-Assembled Nanospheres as Templates. Research, 2019, 2019, 6439734.	5.7	7
140	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.	4.8	6
141	Selective signaling of fluoride anion based on imidazole moieties. Luminescence, 2012, 27, 302-306.	2.9	6
142	Anion Responsive Dibenzoyl-L-Cysteine and Luminescent Lanthanide Soft Material. Photochemistry and Photobiology, 2011, 87, 641-645.	2.5	5
143	From molecule to complex: Design of smart fluorescent anion-sensors. Optical Materials, 2013, 35, 1157-1161.	3.6	5
144	Simultaneously enhancing moisture and mechanical stability of flexible perovskite solar cells via a polyimide interfacial layer. , 0, , .		3

#	ARTICLE	IF	CITATIONS
145	Ternary NiCoTi-layered double hydroxide nanosheets as a pH-responsive nanoagent for photodynamic/chemodynamic synergistic therapy. <i>Fundamental Research</i> , 2022, , .	3.3	3
146	Exonuclease III-Regulated Target Cyclic Amplification-Based Single Nucleotide Polymorphism Detection Using Ultrathin Ternary Chalcogenide Nanosheets. <i>Frontiers in Chemistry</i> , 2019, 7, 844.	3.6	2
147	Preparation of hierarchical hollow structures assembled from porous NiCo ₂ O ₄ nanosheets for diesel soot elimination. <i>EcoMat</i> , 2020, 2, e12041.	11.9	2
148	Sensors: DNA-Templated Silver Nanoclusters for Multiplexed Fluorescent DNA Detection (Small) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	10.0	1
149	35 challenges in materials science being tackled by PIs under 35(ish) in 2021. <i>Matter</i> , 2021, 4, 3804-3810.	10.0	1
150	Optical Properties of Two Novel Terbium Thermo-Sensitive Poly(<i>N</i> -Isopropylacrylamide) Gels. <i>Advanced Materials Research</i> , 2011, 399-401, 886-889.	0.3	0
151	Carbon: Carbon-Based Sorbents with Three-Dimensional Architectures for Water Remediation (Small) Tj ETQq1 1 0,784314 rgBT /Dv	10.0	0
152	General Synthesis of Ordered Mesoporous Carbonaceous Hybrid Nanostructures with Molecularly Dispersed Polyoxometallates. <i>Angewandte Chemie</i> , 2021, 133, 15684-15690.	2.0	0