Chaoliang Tan

List of Publications by Year
in descending order

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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	Recent Advances in Ultrathin Two-Dimensional Nanomaterials. Chemical Reviews, 2017, 117, 6225-6331.	23.0	3,940
2	Two-dimensional transition metal dichalcogenide nanosheet-based composites. Chemical Society Reviews, 2015, 44, 2713-2731.	18.7	1,405
3	Ni3S2 nanorods/Ni foam composite electrode with low overpotential for electrocatalytic oxygen evolution. Energy and Environmental Science, 2013, 6, 2921.	15.6	939
4	Hybrid micro-/nano-structures derived from metalâ€“organic frameworks: preparation and applications in energy storage and conversion. Chemical Society Reviews, 2017, 46, 2660-2677.	18.7	866
5	Two-dimensional graphene analogues for biomedical applications. Chemical Society Reviews, 2015, 44, 2681-2701.	18.7	786
6	Carbon Fiber Aerogel Made from Raw Cotton: A Novel, Efficient and Recyclable Sorbent for Oils and Organic Solvents. Advanced Materials, 2013, 25, 5916-5921.	11.1	600
7	Black Phosphorus Quantum Dots. Angewandte Chemie - International Edition, 2015, 54, 3653-3657.	7.2	594
8	Synthesis of Two-Dimensional CoS_{1.097}/Nitrogen-Doped Carbon Nanocomposites Using Metalâ€“Organic Framework Nanosheets as Precursors for Supercapacitor Application. Journal of the American Chemical Society, 2016, 138, 6924-6927.	6.6	591
9	25th Anniversary Article: Hybrid Nanostructures Based on Twoâ€Dimensional Nanomaterials. Advanced Materials, 2014, 26, 2185-2204.	11.1	579
10	Solutionâ€Processed Twoâ€Dimensional MoS₂ Nanosheets: Preparation, Hybridization, and Applications. Angewandte Chemie - International Edition, 2016, 55, 8816-8838.	7.2	557
11	Grapheneâ€Based Electrochemical Sensors. Small, 2013, 9, 1160-1172.	5.2	526
12	Wet-chemical synthesis and applications of non-layer structured two-dimensional nanomaterials. Nature Communications, 2015, 6, 7873.	5.8	526
13	Bioinspired Design of Ultrathin 2D Bimetallic Metalâ€“Organicâ€Framework Nanosheets Used as Biomimetic Enzymes. Advanced Materials, 2016, 28, 4149-4155.	11.1	440
14	Ultrathin Two-Dimensional Covalent Organic Framework Nanosheets: Preparation and Application in Highly Sensitive and Selective DNA Detection. Journal of the American Chemical Society, 2017, 139, 8698-8704.	6.6	440
15	Solutionâ€Processed Twoâ€Dimensional Metal Dichalcogenideâ€Based Nanomaterials for Energy Storage and Conversion. Advanced Materials, 2016, 28, 6167-6196.	11.1	438
16	Phase engineering of nanomaterials. Nature Reviews Chemistry, 2020, 4, 243-256.	13.8	438
17	Grapheneâ€Based Materials for Solar Cell Applications. Advanced Energy Materials, 2014, 4, 1300574.	10.2	398
18	Threeâ€Dimensional Architectures Constructed from Transitionâ€Metal Dichalcogenide Nanomaterials for Electrochemical Energy Storage and Conversion. Angewandte Chemie - International Edition, 2018, 57, 626-646.	7.2	398

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19	Growth of Au Nanoparticles on 2D Metalloporphyrinic Metalâ€Organic Framework Nanosheets Used as Biomimetic Catalysts for Cascade Reactions. Advanced Materials, 2017, 29, 1700102.	11.1	384
20	Selfâ€Assembly of Singleâ€Layer CoAlâ€Layered Double Hydroxide Nanosheets on 3D Graphene Network Used as Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. Advanced Materials, 2016, 28, 7640-7645.	11.1	355
21	Preparation of Highâ€Percentage 1Tâ€Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. Advanced Materials, 2018, 30, 1705509.	11.1	341
22	Oneâ€Pot Synthesis of Highly Anisotropic Fiveâ€Foldâ€Twinned PtCu Nanoframes Used as a Bifunctional Electrocatalyst for Oxygen Reduction and Methanol Oxidation. Advanced Materials, 2016, 28, 8712-8717.	11.1	336
23	Growth of noble metal nanoparticles on single-layer TiS₂and TaS₂nanosheets for hydrogen evolution reaction. Energy and Environmental Science, 2014, 7, 797-803.	15.6	323
24	Singleâ€Layer Transition Metal Dichalcogenide Nanosheetâ€Based Nanosensors for Rapid, Sensitive, and Multiplexed Detection of DNA. Advanced Materials, 2015, 27, 935-939.	11.1	322
25	Epitaxial growth of hybrid nanostructures. Nature Reviews Materials, 2018, 3, .	23.3	318
26	Hybridization of MOFs and COFs: A New Strategy for Construction of MOF@COF Coreâ€“Shell Hybrid Materials. Advanced Materials, 2018, 30, 1705454.	11.1	318
27	Ultrathin S-doped MoSe₂nanosheets for efficient hydrogen evolution. Journal of Materials Chemistry A, 2014, 2, 5597-5601.	5.2	317
28	Non-volatile resistive memory devices based on solution-processed ultrathin two-dimensional nanomaterials. Chemical Society Reviews, 2015, 44, 2615-2628.	18.7	302
29	Solution-Synthesized High-Mobility Tellurium Nanoflakes for Short-Wave Infrared Photodetectors. ACS Nano, 2018, 12, 7253-7263.	7.3	298
30	Recent Progress on Two-Dimensional Materials. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2021, .	2.2	269
31	Synthesis and applications of graphene-based noble metal nanostructures. Materials Today, 2013, 16, 29-36.	8.3	257
32	Lithiation-induced amorphization of Pd3P2S8 for highly efficient hydrogen evolution. Nature Catalysis, 2018, 1, 460-468.	16.1	247
33	Ultrathin Twoâ€Dimensional Multinary Layered Metal Chalcogenide Nanomaterials. Advanced Materials, 2017, 29, 1701392.	11.1	242
34	Epitaxial Growth of Hetero-Nanostructures Based on Ultrathin Two-Dimensional Nanosheets. Journal of the American Chemical Society, 2015, 137, 12162-12174.	6.6	218
35	High-Yield Exfoliation of Ultrathin Two-Dimensional Ternary Chalcogenide Nanosheets for Highly Sensitive and Selective Fluorescence DNA Sensors. Journal of the American Chemical Society, 2015, 137, 10430-10436.	6.6	214
36	Ultrathin Twoâ€Dimensional Organicâ€“Inorganic Hybrid Perovskite Nanosheets with Bright, Tunable Photoluminescence and High Stability. Angewandte Chemie - International Edition, 2017, 56, 4252-4255.	7.2	206

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37	Thin metal nanostructures: synthesis, properties and applications. Chemical Science, 2015, 6, 95-111.	3.7	198
38	Carbon Microbelt Aerogel Prepared by Waste Paper: An Efficient and Recyclable Sorbent for Oils and Organic Solvents. Small, 2014, 10, 3544-3550.	5.2	196
39	A Facile and Universal Topâ€Down Method for Preparation of Monodisperse Transitionâ€Metal Dichalcogenide Nanodots. Angewandte Chemie - International Edition, 2015, 54, 5425-5428.	7.2	185
40	Ag@MoS₂ Coreâ€“Shell Heterostructure as SERS Platform to Reveal the Hydrogen Evolution Active Sites of Single-Layer MoS₂. Journal of the American Chemical Society, 2020, 142, 7161-7167.	6.6	185
41	Controlled growth of high-density CdS and CdSe nanorod arrays on selective facets of two-dimensional semiconductor nanoplates. Nature Chemistry, 2016, 8, 470-475.	6.6	177
42	Two-dimensional transition metal dichalcogenide nanomaterials for biosensing applications. Materials Chemistry Frontiers, 2017, 1, 24-36.	3.2	173
43	Coating Two-Dimensional Nanomaterials with Metalâ€“Organic Frameworks. ACS Nano, 2014, 8, 8695-8701.	7.3	168
44	Carbonâ€Based Sorbents with Threeâ€Dimensional Architectures for Water Remediation. Small, 2015, 11, 3319-3336.	5.2	166
45	Evaporated tellurium thin films for p-type field-effect transistors and circuits. Nature Nanotechnology, 2020, 15, 53-58.	15.6	153
46	Metallic 1T Phase Enabling MoS₂ Nanodots as an Efficient Agent for Photoacoustic Imaging Guided Photothermal Therapy in the Nearâ€Infraredâ€II Window. Small, 2020, 16, e2004173.	5.2	150
47	A Robust Hybrid Zn-Battery with Ultralong Cycle Life. Nano Letters, 2017, 17, 156-163.	4.5	138
48	Two-dimensional NiCo₂O₄nanosheet-coated three-dimensional graphene networks for high-rate, long-cycle-life supercapacitors. Nanoscale, 2015, 7, 7035-7039.	2.8	134
49	Layered double hydroxide-based nanomaterials for biomedical applications. Chemical Society Reviews, 2022, 51, 6126-6176.	18.7	133
50	Preparation of Singleâ€Layer MoS₂_xSe_{2(1â€}_x₎ and Mo_xW_{1â€}_xS₂ Nanosheets with Highâ€Concentration Metallic 1T Phase. Small, 2016, 12, 1866-1874.	5.2	126
51	Self-Assembled Chiral Nanofibers from Ultrathin Low-Dimensional Nanomaterials. Journal of the American Chemical Society, 2015, 137, 1565-1571.	6.6	123
52	Metastable 1Tâ€²-phase group VIB transition metal dichalcogenide crystals. Nature Materials, 2021, 20, 1113-1120.	13.3	119
53	Phase-Selective Epitaxial Growth of Heterophase Nanostructures on Unconventional 2H-Pd Nanoparticles. Journal of the American Chemical Society, 2020, 142, 18971-18980.	6.6	111
54	Optical and electrochemical responses of an anthrax biomarker based on single-walled carbon nanotubes covalently loaded with terbium complexes. Chemical Communications, 2011, 47, 12521.	2.2	109

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55	A Safe Flexible Self-Powered Wristband System by Integrating Defective MnO_{2â€“x} Nanosheet-Based Zinc-Ion Batteries with Perovskite Solar Cells. ACS Nano, 2021, 15, 10597-10608.	7.3	109
56	Intercalationâ€Activated Layered MoO₃ Nanobelts as Biodegradable Nanozymes for Tumorâ€Specific Photoâ€Enhanced Catalytic Therapy. Angewandte Chemie - International Edition, 2022, 61, .	7.2	109
57	DNAâ€Templated Silver Nanoclusters for Multiplexed Fluorescent DNA Detection. Small, 2015, 11, 1385-1389.	5.2	106
58	Preparation of 1Tâ€²-Phase ReS_{2x}Se_{2(1-x)} (x = 0â€“1) Nanodots for Highly Efficient Electrocatalytic Hydrogen Evolution Reaction. Journal of the American Chemical Society, 2018, 140, 8563-8568.	6.6	104
59	In Situ Synthesis of Metal Sulfide Nanoparticles Based on 2D Metalâ€Organic Framework Nanosheets. Small, 2016, 12, 4669-4674.	5.2	101
60	Selective Epitaxial Growth of Oriented Hierarchical Metalâ€“Organic Framework Heterostructures. Journal of the American Chemical Society, 2020, 142, 8953-8961.	6.6	100
61	Synthesis of Palladiumâ€Based Crystalline@Amorphous Coreâ€“Shell Nanoplates for Highly Efficient Ethanol Oxidation. Advanced Materials, 2020, 32, e2000482.	11.1	98
62	Synthesis, properties and applications of one- and two-dimensional gold nanostructures. Nano Research, 2015, 8, 40-55.	5.8	97
63	Defect engineering of layered double hydroxide nanosheets as inorganic photosensitizers for NIR-III photodynamic cancer therapy. Nature Communications, 2022, 13, .	5.8	95
64	Activating Layered Metal Oxide Nanomaterials via Structural Engineering as Biodegradable Nanoagents for Photothermal Cancer Therapy. Small, 2021, 17, e2007486.	5.2	94
65	Two-Dimensional Nanomaterials with Unconventional Phases. CheM, 2020, 6, 1237-1253.	5.8	93
66	Self-Assembly of Two-Dimensional Nanosheets into One-Dimensional Nanostructures. CheM, 2016, 1, 59-77.	5.8	92
67	Liquidâ€Phase Epitaxial Growth of Twoâ€Dimensional Semiconductor Heteroâ€nanostructures. Angewandte Chemie - International Edition, 2015, 54, 1841-1845.	7.2	88
68	A Nb2CTx/sodium alginate-based composite film with neuron-like network for self-powered humidity sensing. Chemical Engineering Journal, 2022, 438, 135588.	6.6	86
69	Infrared Photodetectors Based on 2D Materials and Nanophotonics. Advanced Functional Materials, 2022, 32, .	7.8	86
70	Intramolecular Hydrogen Bonding-Based Topology Regulation of Two-Dimensional Covalent Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 13162-13169.	6.6	85
71	Ternary Chalcogenide Nanosheets with Ultrahigh Photothermal Conversion Efficiency for Photoacoustic Theranostics. Small, 2017, 13, 1604139.	5.2	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.	2.8	82

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73	Synthesis of grapheneâ€“conjugated polymer nanocomposites for electronic device applications. Nanoscale, 2013, 5, 1440.	2.8	80
74	Singleâ€Layer Transition Metal Dichalcogenide Nanosheetâ€Assisted Assembly of Aggregationâ€Induced Emission Molecules to Form Organic Nanosheets with Enhanced Fluorescence. Advanced Materials, 2014, 26, 1735-1739.	11.1	77
75	Optical and electrical properties of two-dimensional palladium diselenide. Applied Physics Letters, 2019, 114, .	1.5	74
76	Quest for p-Type Two-Dimensional Semiconductors. ACS Nano, 2019, 13, 12294-12300.	7.3	72
77	A Universal Method for Preparation of Noble Metal Nanoparticleâ€Decorated Transition Metal Dichalcogenide Nanobelts. Advanced Materials, 2014, 26, 6250-6254.	11.1	71
78	AuAg Nanosheets Assembled from Ultrathin AuAg Nanowires. Journal of the American Chemical Society, 2015, 137, 1444-1447.	6.6	68
79	Ultrathin Amorphous/Crystalline Heterophase Rh and Rh Alloy Nanosheets as Tandem Catalysts for Direct Indole Synthesis. Advanced Materials, 2021, 33, e2006711.	11.1	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. Small, 2016, 12, 5920-5926.	5.2	65
81	Synthesis of Pd₃Sn and PdCuSn Nanorods with L1₂ Phase for Highly Efficient Electrocatalytic Ethanol Oxidation. Advanced Materials, 2022, 34, e2106115.	11.1	65
82	Reversible Terbium Luminescent Polyelectrolyte Hydrogels for Detection of H2PO4â^'and HSO4â^'in Water. Inorganic Chemistry, 2011, 50, 2953-2956.	1.9	64
83	Two-dimensional alloyed transition metal dichalcogenide nanosheets: Synthesis and applications. Chinese Chemical Letters, 2022, 33, 163-176.	4.8	63
84	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
85	Ordered Porous Pd Octahedra Covered with Monolayer Ru Atoms. Journal of the American Chemical Society, 2015, 137, 14566-14569.	6.6	59
86	Preparation of Ultrathin Twoâ€Dimensional Ti_xTa_{1â^'x}S_yO_z Nanosheets as Highly Efficient Photothermal Agents. Angewandte Chemie - International Edition, 2017, 56, 7842-7846.	7.2	59
87	Edgeâ€Enriched Mo₂TiC₂T_x/MoS₂ Heterostructure with Coupling Interface for Selective NO₂ Monitoring. Advanced Functional Materials, 2022, 32, .	7.8	58
88	Unconventional-Phase Crystalline Materials Constructed from Multiscale Building Blocks. Chemical Reviews, 2021, 121, 5830-5888.	23.0	57
89	Preparation and applications of novel composites composed of metalâ€“organic frameworks and two-dimensional materials. Chemical Communications, 2016, 52, 1555-1562.	2.2	56
90	Growth of Cu₂O Nanoparticles on Two-Dimensional Zrâ€“Ferroceneâ€“Metalâ€“Organic Framework Nanosheets for Photothermally Enhanced Chemodynamic Antibacterial Therapy. Inorganic Chemistry, 2022, 61, 9328-9338.	1.9	55

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91	LÃ¶sungsprozessierte MoS₂â€Nanoplättchen: Herstellung, Hybridisierung und Anwendungen. Angewandte Chemie, 2016, 128, 8960-8984.	1.6	52
92	Evaporated Se_xTe_{1â€}_x Thin Films with Tunable Bandgaps for Shortâ€Wave Infrared Photodetectors. Advanced Materials, 2020, 32, e2001329.	11.1	49
93	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
94	Ultrathin CuFe2S3 nanosheets derived from CuFe-layered double hydroxide as an efficient nanoagent for synergistic chemodynamic and NIR-II photothermal therapy. Chemical Engineering Journal, 2021, 419, 129458.	6.6	45
95	Triangular Agâ€“Pd alloy nanoprisms: rational synthesis with high-efficiency for electrocatalytic oxygen reduction. Nanoscale, 2014, 6, 11738-11743.	2.8	43
96	Roll-to-Roll Manufacturing of Robust Superhydrophobic Coating on Metallic Engineering Materials. ACS Applied Materials & Interfaces, 2018, 10, 2174-2184.	4.0	43
97	Terbium hybrid particles with spherical shape as luminescent probe for detection of Cu2+ and Fe3+ in water. Analytica Chimica Acta, 2011, 708, 111-115.	2.6	41
98	A luminescent lanthanide complex-based anion sensor with electron-donating methoxy groups for monitoring multiple anions in environmental and biological processes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 96, 387-394.	2.0	38
99	Ultrathin 2D Copper(I) 1,2,4â€Triazolate Coordination Polymer Nanosheets for Efficient and Selective Gene Silencing and Photodynamic Therapy. Advanced Materials, 2021, 33, e2100849.	11.1	38
100	Metallic phase enabling MoS2 nanosheets as an efficient sonosensitizer for photothermal-enhanced sonodynamic antibacterial therapy. Journal of Nanobiotechnology, 2022, 20, 136.	4.2	38
101	Dreidimensionale Architekturen aus Ãœbergangsmetallâ€Dichalkogenidâ€Nanomaterialien zur elektrochemischen Energiespeicherung und â€umwandlung. Angewandte Chemie, 2018, 130, 634-655.	1.6	37
102	Emission response towards three anions (Fâ^', HSO4â^' and AcOâ^') 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
103	Fluorescentâ€based Solid Sensor for HSO₄^{â^'} in Water. Photochemistry and Photobiology, 2010, 86, 1191-1196.	1.3	33
104	A universal method for rapid and largeâ€scale growth of layered crystals. SmartMat, 2020, 1, e1011.	6.4	33
105	Crystal phase-controlled growth of PtCu and PtCo alloys on 4H Au nanoribbons for electrocatalytic ethanol oxidation reaction. Nano Research, 2020, 13, 1970-1975.	5.8	32
106	Growth of Tellurium Nanobelts on h-BN for p-type Transistors with Ultrahigh Hole Mobility. Nano-Micro Letters, 2022, 14, 109.	14.4	31
107	A targetable fluorescent sensor for hypochlorite based on a luminescent europium complex loaded carbon nanotube. Analyst, The, 2012, 137, 1872.	1.7	30
108	Singleâ€Layer Ternary Chalcogenide Nanosheet as a Fluorescenceâ€Based â€œCaptureâ€Releaseâ€•Biomolecular Nanosensor. Small, 2017, 13, 1601925.	5.2	29

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109	Nanodots Derived from Layered Materials: Synthesis and Applications. Advanced Materials, 2021, 33, e2006661.	11.1	29
110	Transition metal dichalcogenide/multi-walled carbon nanotube-based fibers as flexible electrodes for electrocatalytic hydrogen evolution. Chemical Communications, 2020, 56, 5131-5134.	2.2	28
111	Anion/Cation Induced Optical Switches Based on Luminescent Lanthanide (Tb³⁺ and) Tj ETQq1 1 0.784314 rgBT /Overlock	1.3	27
112	Electrochemically â€œWritingâ€•Graphene from Graphene Oxide. Small, 2014, 10, 3555-3559.	5.2	27
113	Preparation of graphene-MoS2 hybrid aerogels as multifunctional sorbents for water remediation. Science China Materials, 2017, 60, 1102-1108.	3.5	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 Cu2+ Probes Based on Rare-Earth (Eu3+ and Tb3+) Emissive Transparent Cellulose Hydrogels. Journal of Fluorescence, 2012, 22, 1581-1586.	1.3	21
116	Recent Advances in Cantilever-Free Scanning Probe Lithography: High-Throughput, Space-Confined Synthesis of Nanostructures and Beyond. ACS Nano, 2017, 11, 4381-4386.	7.3	21
117	Ultrathin Twoâ€Dimensional Organicâ€“Inorganic Hybrid Perovskite Nanosheets with Bright, Tunable Photoluminescence and High Stability. Angewandte Chemie, 2017, 129, 4316-4319.	1.6	21
118	Synthesis of WO_nâ€“WX₂ (n=2.7, 2.9; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Lightâ€Emitting Diodes. Angewandte Chemie - International Edition, 2017, 56, 10486-10490.	7.2	21
119	Electrochemical signal response for vitamin B1 using terbium luminescent nanoscale building blocks as optical sensors. Sensors and Actuators B: Chemical, 2013, 188, 1176-1182.	4.0	20
120	Centimeterâ€Scale and Visible Wavelength Monolayer Lightâ€Emitting Devices. Advanced Functional Materials, 2020, 30, 1907941.	7.8	20
121	Graphene-based mid-infrared photodetectors using metamaterials and related concepts. Applied Physics Reviews, 2021, 8, .	5.5	20
122	Eu3+ chelate with phenanthroline derivative gives selective emission responses to Cu(II) ions. Journal of Organometallic Chemistry, 2011, 696, 829-831.	0.8	18
123	Two-dimensional metallic MoS2-amorphous CoNi(OH)2 nanocomposite for enhanced electrochemical water splitting in alkaline solutions. Applied Surface Science, 2021, 561, 150079.	3.1	18
124	Preparation of Dye Moleculeâ€Intercalated MoO₃ Organic/Inorganic Superlattice Nanoparticles for Fluorescence Imagingâ€Guided Catalytic Therapy. Small, 2022, 18, .	5.2	18
125	2-(3-Pyridyl)imidazole-4,5-dicarboxylic acid based lanthanide luminescent anion sensor. Solid State Sciences, 2011, 13, 1687-1691.	1.5	17
126	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

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127	Photophysical studies of novel lanthanide (Eu3+ and Tb3+) luminescent hydrogels. Inorganic Chemistry Communication, 2011, 14, 515-518.	1.8	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.	3.5	16
129	Intercalationâ€Activated Layered MoO₃ Nanobelts as Biodegradable Nanozymes for Tumorâ€Specific Photoâ€Enhanced Catalytic Therapy. Angewandte Chemie, 2022, 134, .	1.6	16
130	Recognition of H2PO 4 - and Cu2+ in Water by Luminescent Terbium Silica Xerogel. Journal of Fluorescence, 2011, 21, 1117-1122.	1.3	13
131	General Synthesis of Ordered Mesoporous Carbonaceous Hybrid Nanostructures with Molecularly Dispersed Polyoxometallates. Angewandte Chemie - International Edition, 2021, 60, 15556-15562.	7.2	13
132	Preparation of Ultrathin Twoâ€Dimensional Ti_xTa_{1â^'x}S_yO_z Nanosheets as Highly Efficient Photothermal Agents. Angewandte Chemie, 2017, 129, 7950-7954.	1.6	11
133	Soft Matter Anion Sensing Based on Lanthanide (Eu3+and TB3+) Luminescent Hydrogels. Soft Materials, 2014, 12, 98-102.	0.8	10
134	Two novel europium (III) centered anion receptors and their naked eye detections. Synthetic Metals, 2012, 162, 1416-1420.	2.1	8
135	Highâ€Yield Exfoliation of Ultrathin 2D Ni₃Cr₂P₂S₉ and Ni₃Cr₂P₂Se₉ Nanosheets. Small, 2021, 17, e2006866.	5.2	8
136	Selfâ€Assembly of 2D Nanosheets into 1D Nanostructures for Sensing NO 2. Small Structures, 2021, 2, 2100067.	6.9	8
137	Novel pH Induced Reversible Luminescent Lanthanide Hydrogels. Journal of Cluster Science, 2013, 24, 449-458.	1.7	7
138	Synthesis of WO_nâ€WX₂ (n=2.7, 2.9; X=S, Se) Heterostructures for Highly Efficient Green Quantum Dot Lightâ€Emitting Diodes. Angewandte Chemie, 2017, 129, 10622-10626.	1.6	7
139	A General Method for the Synthesis of Hybrid Nanostructures Using MoSe ₂ Nanosheet-Assembled Nanospheres as Templates. Research, 2019, 2019, 6439734.	2.8	7
140	Anion/Cation (H2PO4â^' and Fe3+) induced dual luminescence quenching effect based on terbium solid sensor. Journal of Rare Earths, 2010, 28, 888-892.	2.5	6
141	Selective signaling of fluoride anion based on imidazole moieties. Luminescence, 2012, 27, 302-306.	1.5	6
142	Anion Responsive Dibenzoylâ€<scp>l</scp>â€Cystine and Luminescent Lanthanide Soft Material. Photochemistry and Photobiology, 2011, 87, 641-645.	1.3	5
143	From molecule to complex: Design of smart fluorescent anion-sensors. Optical Materials, 2013, 35, 1157-1161.	1.7	5
144	Simultaneously enhancing moisture and mechanical stability of flexible perovskite solar cells via a polyimide interfacial layer. , 0, , .		3

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145	Ternary NiCoTi-layered double hydroxide nanosheets as a pH-responsive nanoagent for photodynamic/chemodynamic synergistic therapy. Fundamental Research, 2022, , .	1.6	3
146	Exonuclease III-Regulated Target Cyclic Amplification-Based Single Nucleotide Polymorphism Detection Using Ultrathin Ternary Chalcogenide Nanosheets. Frontiers in Chemistry, 2019, 7, 844.	1.8	2
147	Preparation of hierarchical hollow structures assembled from porous NiCo 2 O 4 nanosheets for diesel soot elimination. EcoMat, 2020, 2, e12041.	6.8	2
148	Sensors: DNA-Templated Silver Nanoclusters for Multiplexed Fluorescent DNA Detection (Small) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	5.2	1
149	35 challenges in materials science being tackled by PIs under 35(ish) in 2021. Matter, 2021, 4, 3804-3810.	5.0	1
150	Optical Properties of Two Novel Terbium Thermo-Sensitive Poly(N-Isopropylacrylamide) Gels. Advanced Materials Research, 2011, 399-401, 886-889.	0.3	0
151	Carbon: Carbonâ€Based Sorbents with Threeâ€Dimensional Architectures for Water Remediation (Small) Tj ETQq1 1 0.784314 rgBT /Ov	5.2	0
152	General Synthesis of Ordered Mesoporous Carbonaceous Hybrid Nanostructures with Molecularly Dispersed Polyoxometallates. Angewandte Chemie, 2021, 133, 15684-15690.	1.6	0