

Ling Huang

List of Publications by Year in descending order

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203
papers

13,451
citations

15495

65
h-index

25770

108
g-index

212
all docs

212
docs citations

212
times ranked

16357
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-scale assembly of carbon nanotubes. <i>Nature</i> , 2003, 425, 36-37.	13.7	446
2	In Vitro and In Vivo Uncaging and Bioluminescence Imaging by Using Photocaged Upconversion Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3125-3129.	7.2	428
3	Amine-functionalized zirconium metal-organic framework as efficient visible-light photocatalyst for aerobic organic transformations. <i>Chemical Communications</i> , 2012, 48, 11656.	2.2	405
4	On-Wire Lithography. <i>Science</i> , 2005, 309, 113-115.	6.0	377
5	Direct Aqueous-Phase Synthesis of Sub-10 nm Luminous Pearls with Enhanced <i>In Vivo</i> Renewable Near-Infrared Persistent Luminescence. <i>Journal of the American Chemical Society</i> , 2015, 137, 5304-5307.	6.6	357
6	Lanthanide-Doped Na ₃ ScF ₃ Nanocrystals: Crystal Structure Evolution and Multicolor Tuning. <i>Journal of the American Chemical Society</i> , 2012, 134, 8340-8343.	6.6	315
7	Binary temporal upconversion codes of Mn ²⁺ -activated nanoparticles for multilevel anti-counterfeiting. <i>Nature Communications</i> , 2017, 8, 899.	5.8	290
8	Ultralow-Power Near Infrared Lamp Light Operable Targeted Organic Nanoparticle Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2016, 138, 14586-14591.	6.6	275
9	Recent developments in lanthanide-based luminescent probes. <i>Coordination Chemistry Reviews</i> , 2014, 273-274, 201-212.	9.5	267
10	Confining Excitation Energy in Er ³⁺ -Sensitized Upconversion Nanocrystals through Tm ³⁺ -Mediated Transient Energy Trapping. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7605-7609.	7.2	259
11	Enhancing Ultralong Organic Phosphorescence by Effective π -Type Halogen Bonding. <i>Advanced Functional Materials</i> , 2018, 28, 1705045.	7.8	244
12	Mammalian Near-Infrared Image Vision through Injectable and Self-Powered Retinal Nanoantennae. <i>Cell</i> , 2019, 177, 243-255.e15.	13.5	206
13	Inherently Eu ²⁺ /Eu ³⁺ Codoped Sc ₂ O ₃ Nanoparticles as High-Performance Nanothermometers. <i>Advanced Materials</i> , 2018, 30, e1705256.	11.1	203
14	Few-Layer Graphdiyne Nanosheets Applied for Multiplexed Real-Time DNA Detection. <i>Advanced Materials</i> , 2017, 29, 1606755.	11.1	198
15	Cross Relaxation Induced Pure Red Upconversion in Activator- and Sensitizer-Rich Lanthanide Nanoparticles. <i>Chemistry of Materials</i> , 2014, 26, 5183-5186.	3.2	195
16	Gold and Hairpin DNA Functionalization of Upconversion Nanocrystals for Imaging and In Vivo Drug Delivery. <i>Advanced Materials</i> , 2017, 29, 1700244.	11.1	186
17	Transition metal complexes with strong absorption of visible light and long-lived triplet excited states: from molecular design to applications. <i>RSC Advances</i> , 2012, 2, 1712-1728.	1.7	176
18	Probing the nature of upconversion nanocrystals: instrumentation matters. <i>Chemical Society Reviews</i> , 2015, 44, 1479-1508.	18.7	176

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19	Bodipy Derivatives as Organic Triplet Photosensitizers for Aerobic Photoorganocatalytic Oxidative Coupling of Amines and Photooxidation of Dihydroxynaphthalenes. <i>Journal of Organic Chemistry</i> , 2013, 78, 5627-5637.	1.7	175
20	Styryl Bodipy-C ₆₀ Dyads as Efficient Heavy-Atom-Free Organic Triplet Photosensitizers. <i>Organic Letters</i> , 2012, 14, 2594-2597.	2.4	171
21	Carbon-Based Sorbents with Three-Dimensional Architectures for Water Remediation. <i>Small</i> , 2015, 11, 3319-3336.	5.2	166
22	Polypyrrole nanotube film for flexible thermoelectric application. <i>Synthetic Metals</i> , 2014, 196, 173-177.	2.1	165
23	Gold-plasmon enhanced solar-to-hydrogen conversion on the {001} facets of anatase TiO ₂ nanosheets. <i>Energy and Environmental Science</i> , 2014, 7, 973.	15.6	159
24	Enhancing Photodynamic Therapy through Resonance Energy Transfer Constructed Near-Infrared Photosensitized Nanoparticles. <i>Advanced Materials</i> , 2017, 29, 1604789.	11.1	154
25	Bi ₂ MoO ₆ Nanobelts for Crystal Facet-Enhanced Photocatalysis. <i>Small</i> , 2014, 10, 2791-2795.	5.2	145
26	Rational Design and Synthesis of Catalytically Driven Nanorotors. <i>Journal of the American Chemical Society</i> , 2007, 129, 14870-14871.	6.6	135
27	Elucidation of the Intersystem Crossing Mechanism in a Helical BODIPY for Low-Dose Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16114-16121.	7.2	126
28	Sub-100-nm, Centimeter-Scale, Parallel Dip-Pen Nanolithography. <i>Small</i> , 2005, 1, 940-945.	5.2	122
29	Microporous Luminescent Metal-Organic Framework for a Sensitive and Selective Fluorescence Sensing of Toxic Mycotoxin in Moldy Sugarcane. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5618-5625.	4.0	121
30	Expanding Anti-Stokes Shifting in Triplet-Triplet Annihilation Upconversion for In Vivo Anticancer Prodrug Activation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14400-14404.	7.2	119
31	Crystal Structure and Phototransistor Behavior of N-Substituted Heptacene. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 1883-1886.	4.0	118
32	Rhodamine-Modified Upconversion Nanophosphors for Ratiometric Detection of Hypochlorous Acid in Aqueous Solution and Living Cells. <i>Small</i> , 2014, 10, 3560-3567.	5.2	114
33	Biomimetic Chiral Photonic Crystals. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7783-7787.	7.2	113
34	Er ³⁺ Sensitized Photon Upconversion Nanocrystals. <i>Advanced Functional Materials</i> , 2018, 28, 1800208.	7.8	108
35	Highly Water-Stable Lanthanide-Oxalate MOFs with Remarkable Proton Conductivity and Tunable Luminescence. <i>Advanced Materials</i> , 2017, 29, 1701804.	11.1	106
36	Iodo-Bodipys as visible-light-absorbing dual-functional photoredox catalysts for preparation of highly functionalized organic compounds by formation of C-C bonds via reductive and oxidative quenching catalytic mechanisms. <i>RSC Advances</i> , 2013, 3, 23377.	1.7	102

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37	Au Nanorod Decoration on NaYF ₄ :Yb/Tm Nanoparticles for Enhanced Emission and Wavelength-Dependent Biomolecular Sensing. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3508-3513.	4.0	98
38	Nitrogen-enriched pseudographitic anode derived from silk cocoon with tunable flexibility for microbial fuel cells. <i>Nano Energy</i> , 2017, 32, 382-388.	8.2	98
39	C60-Bodipy dyad triplet photosensitizers as organic photocatalysts for photocatalytic tandem oxidation/[3+2] cycloaddition reactions to prepare pyrrolo[2,1-a]isoquinoline. <i>Chemical Communications</i> , 2013, 49, 3751.	2.2	97
40	Synthesis, Characterization, Self-Assembly, and Physical Properties of 11-Methylbenzo[<i>d</i>]pyreno[4,5- <i>b</i>]furan. <i>Organic Letters</i> , 2011, 13, 3004-3007.	2.4	94
41	Near-Infrared Light Activatable Nanoparticles for Deep Tissue Penetrating Wireless Optogenetics. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801132.	3.9	94
42	Emerging ~800 nm Excited Lanthanide-Doped Upconversion Nanoparticles. <i>Small</i> , 2017, 13, 1602843.	5.2	92
43	Inorganic-Organic Hybrid Nanoprobe for NIR-Excited Imaging of Hydrogen Sulfide in Cell Cultures and Inflammation in a Mouse Model. <i>Small</i> , 2014, 10, 4874-4885.	5.2	89
44	Highly Effective Near-Infrared Activating Triplet-Triplet Annihilation Upconversion for Photoredox Catalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 18460-18470.	6.6	87
45	Designing next generation of photon upconversion: Recent advances in organic triplet-triplet annihilation upconversion nanoparticles. <i>Biomaterials</i> , 2019, 201, 77-86.	5.7	86
46	Paving Metal-Organic Frameworks with Upconversion Nanoparticles via Self-Assembly. <i>Journal of the American Chemical Society</i> , 2018, 140, 15507-15515.	6.6	85
47	Domino-like multi-emissions across red and near infrared from solid-state 2-/2,6-aryl substituted BODIPY dyes. <i>Nature Communications</i> , 2018, 9, 2688.	5.8	85
48	Sensitive Water Probing through Nonlinear Photon Upconversion of Lanthanide-Doped Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 847-853.	4.0	84
49	Upconversion Modulation through Pulsed Laser Excitation for Anti-counterfeiting. <i>Scientific Reports</i> , 2017, 7, 1320.	1.6	84
50	Chemically Functionalized Surface Patterning. <i>Small</i> , 2011, 7, 2273-2289.	5.2	83
51	Unraveling Epitaxial Habits in the NaLnF ₄ System for Color Multiplexing at the Single-Particle Level. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5718-5722.	7.2	83
52	Matrix-Assisted Dipen Nanolithography and Polymer Pen Lithography. <i>Small</i> , 2010, 6, 1077-1081.	5.2	79
53	Nanocomposites of Graphene Oxide and Upconversion Rare-Earth Nanocrystals with Superior Optical Limiting Performance. <i>Small</i> , 2012, 8, 2271-2276.	5.2	79
54	Tuning hexagonal NaYbF ₄ nanocrystals down to sub-10 nm for enhanced photon upconversion. <i>Nanoscale</i> , 2017, 9, 13739-13746.	2.8	78

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55	Gold Nanowire Chiral Ultrathin Films with Ultrastrong and Broadband Optical Activity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5055-5060.	7.2	77
56	Orthorhombic KSc ₂ F ₇ :Yb/Er nanorods: controlled synthesis and strong red upconversion emission. <i>Nanoscale</i> , 2013, 5, 11928.	2.8	75
57	A cyanine-modified upconversion nanoprobe for NIR-excited imaging of endogenous hydrogen peroxide signaling in vivo. <i>Biomaterials</i> , 2015, 54, 34-43.	5.7	75
58	Metal-organic framework coated titanium dioxide nanorod array in heterojunction photoanode for solar water-splitting. <i>Nano Research</i> , 2019, 12, 643-650.	5.8	73
59	Enhanced deep-ultraviolet upconversion emission of Gd ³⁺ sensitized by Yb ³⁺ and Ho ³⁺ in β -NaLuF ₄ microcrystals under 980 nm excitation. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2485.	2.7	72
60	Rare Earth Ion-Doped Upconversion Nanocrystals: Synthesis and Surface Modification. <i>Nanomaterials</i> , 2015, 5, 1-25.	1.9	72
61	Unraveling Epitaxial Habits in the NaLnF ₄ System for Color Multiplexing at the Single-Particle Level. <i>Angewandte Chemie</i> , 2016, 128, 5812-5816.	1.6	72
62	Illuminating Cell Signaling with Near-Infrared Light-Responsive Nanomaterials. <i>ACS Nano</i> , 2016, 10, 3881-3885.	7.3	71
63	From Graphite to Graphene Oxide and Graphene Oxide Quantum Dots. <i>Small</i> , 2017, 13, 1601001.	5.2	69
64	Nanolithography of Single-Layer Graphene Oxide Films by Atomic Force Microscopy. <i>Langmuir</i> , 2010, 26, 6164-6166.	1.6	68
65	Trap Energy Upconversion-Like Near-Infrared to Near-Infrared Light Rejuvenateable Persistent Luminescence. <i>Advanced Materials</i> , 2021, 33, e2008722.	11.1	66
66	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
67	Nonlinear spectral and lifetime management in upconversion nanoparticles by controlling energy distribution. <i>Nanoscale</i> , 2016, 8, 6666-6673.	2.8	65
68	Mesoporous SrF ₂ and SrF ₂ :Ln ³⁺ (Ln = Ce, Tb, Yb, Er) Hierarchical Microspheres: Hydrothermal Synthesis, Growing Mechanism, and Luminescent Properties. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6928-6936.	1.5	64
69	Origin of strong and narrow localized surface plasmon resonance of copper nanocubes. <i>Nano Research</i> , 2019, 12, 63-68.	5.8	64
70	Near-infrared light activated persistent luminescence nanoparticles via upconversion. <i>Nano Research</i> , 2017, 10, 1840-1846.	5.8	62
71	Red-light excitable fluorescent platinum(ii) bis(aryleneethynylene) bis(trialkylphosphine) complexes showing long-lived triplet excited states as triplet photosensitizers for triplet-triplet annihilation upconversion. <i>Journal of Materials Chemistry C</i> , 2013, 1, 705-716.	2.7	61
72	Tumor-Targeted and Clearable Human Protein-Based MRI Nanoprobes. <i>Nano Letters</i> , 2017, 17, 4096-4100.	4.5	61

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73	Mechanism Studies on the Superior Optical Limiting Observed in Graphene Oxide Covalently Functionalized with Upconversion NaYF ₄ :Yb ₃₊ /Er ₃₊ Nanoparticles. <i>Small</i> , 2012, 8, 2163-2168.	5.2	59
74	Room-Temperature Long-Lived ³ IL Excited State of Rhodamine in an <i>N</i> / <i>N</i> Pt _{II} Bis(acetylide) Complex with Intense Visible-Light Absorption. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4527-4533.	1.0	57
75	Confining Excitation Energy in Er ₃₊ -Sensitized Upconversion Nanocrystals through Tm ₃₊ -Mediated Transient Energy Trapping. <i>Angewandte Chemie</i> , 2017, 129, 7713-7717.	1.6	56
76	Design for Brighter Photon Upconversion Emissions via Energy Level Overlap of Lanthanide Ions. <i>ACS Nano</i> , 2018, 12, 10992-10999.	7.3	56
77	Dual-Signal Luminescent Detection of Dopamine by a Single Type of Lanthanide-Doped Nanoparticles. <i>ACS Sensors</i> , 2018, 3, 1683-1689.	4.0	56
78	Intrinsic defects in biomass-derived carbons facilitate electroreduction of CO ₂ . <i>Nano Research</i> , 2020, 13, 729-735.	5.8	56
79	A new amphiphilic pillar[5]arene: synthesis and controllable self-assembly in water and application in white-light-emitting systems. <i>Chemical Communications</i> , 2018, 54, 13006-13009.	2.2	53
80	Sub-5-nm Gaps Prepared by On-Wire Lithography: Correlating Gap Size with Electrical Transport. <i>Small</i> , 2007, 3, 86-90.	5.2	52
81	Chemical Vapor Transport Reactions for Synthesizing Layered Materials and Their 2D Counterparts. <i>Small</i> , 2019, 15, e1804404.	5.2	52
82	Sequence-Dependent DNA Functionalization of Upconversion Nanoparticles and Their Programmable Assemblies. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8133-8137.	7.2	52
83	Nanostructured Titanate with Different Metal Ions on the Surface of Metallic Titanium: A Facile Approach for Regulation of rBMSCs Fate on Titanium Implants. <i>Small</i> , 2014, 10, 3169-3180.	5.2	49
84	Enzymatic enhancing of triplet-triplet annihilation upconversion by breaking oxygen quenching for background-free biological sensing. <i>Nature Communications</i> , 2021, 12, 1898.	5.8	48
85	Weavable, High-Performance, Solid-State Supercapacitors Based on Hybrid Fibers Made of Sandwiched Structure of MWCNT/rGO/MWCNT. <i>Advanced Electronic Materials</i> , 2016, 2, 1600102.	2.6	47
86	Preparation, characterization, physical properties, and photoconducting behaviour of anthracene derivative nanowires. <i>Nanoscale</i> , 2011, 3, 4720.	2.8	46
87	Inner salt-shaped small molecular photosensitizer with extremely enhanced two-photon absorption for mitochondrial-targeted photodynamic therapy. <i>Chemical Communications</i> , 2017, 53, 1680-1683.	2.2	46
88	Near Infrared Boron Dipyrromethene Nanoparticles for Optotheranostics. <i>Small Methods</i> , 2018, 2, 1700370.	4.6	45
89	Water-Soluble Iridium(III)-Containing Conjugated Polyelectrolytes with Weakened Energy Transfer Properties for Multicolor Protein Sensing Applications. <i>Macromolecules</i> , 2011, 44, 8763-8770.	2.2	44
90	Insights into Li ⁺ -induced morphology evolution and upconversion luminescence enhancement of KSc ₂ F ₇ :Yb/Er nanocrystals. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3503-3508.	2.7	42

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91	Nanoscale fluorescent stone-like Luminescent Calcium Fluoride Nanoparticles as Theranostic Platforms. <i>Theranostics</i> , 2016, 6, 2380-2393.	4.6	41
92	Revisiting the Growth of Black Phosphorus in Sn-I Assisted Reactions. <i>Frontiers in Chemistry</i> , 2019, 7, 21.	1.8	41
93	Assembly of Nanorods into Designer Superstructures: The Role of Templating, Capillary Forces, Adhesion, and Polymer Hydration. <i>ACS Nano</i> , 2010, 4, 259-266.	7.3	40
94	Enhanced emission of NaYF ₄ :Yb,Er/Tm nanoparticles by selective growth of Au and Ag nanoshells. <i>RSC Advances</i> , 2013, 3, 7718.	1.7	40
95	Solution-processable Near-Infrared-Responsive Composite of Perovskite Nanowires and Photon-Upconversion Nanoparticles. <i>Advanced Functional Materials</i> , 2018, 28, 1801782.	7.8	40
96	Biomimetic preparation of silicon quantum dots and their phytophysiology effect on cucumber seedlings. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1107-1115.	2.9	40
97	Coloring Afterglow Nanoparticles for High-Contrast Time-Gating-Free Multiplex Luminescence Imaging. <i>Advanced Materials</i> , 2020, 32, e2003881.	11.1	40
98	Unravelling intramolecular charge transfer in donor-acceptor structured g-C ₃ N ₄ for superior photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1207-1212.	5.2	40
99	Wide-Range Tunable Fluorescence Lifetime and Ultrabright Luminescence of Eu-Grafted Plasmonic Core-Shell Nanoparticles for Multiplexing. <i>Small</i> , 2016, 12, 397-404.	5.2	39
100	Kinetically Controlled, Shape-Directed Assembly of Nanorods. <i>Small</i> , 2008, 4, 206-210.	5.2	38
101	Switching of the Triplet Excited State of Styryl 2,6-Diiodo-Bodipy and Its Application in Acid-Activatable Singlet Oxygen Photosensitizing. <i>Journal of Organic Chemistry</i> , 2014, 79, 10240-10255.	1.7	38
102	Hedgehog-Like Upconversion Crystals: Controlled Growth and Molecular Sensing at Single-Particle Level. <i>Advanced Materials</i> , 2017, 29, 1702315.	11.1	38
103	Long wavelength single photon like driven photolysis via triplet triplet annihilation. <i>Nature Communications</i> , 2021, 12, 122.	5.8	38
104	Generation of Metal Photomasks by Dip-Pen Nanolithography. <i>Small</i> , 2009, 5, 1850-1853.	5.2	37
105	Comprehensive studies of the Li ⁺ effect on NaYF ₄ :Yb/Er nanocrystals: morphology, structure, and upconversion luminescence. <i>Dalton Transactions</i> , 2017, 46, 8968-8974.	1.6	37
106	Chemical-Pressure-Modulated BaTiO ₃ Thin Films with Large Spontaneous Polarization and High Curie Temperature. <i>Journal of the American Chemical Society</i> , 2021, 143, 6491-6497.	6.6	37
107	A novel luminescent mesoporous silica/apatite composite for controlled drug release. <i>Journal of Materials Chemistry</i> , 2011, 21, 5505.	6.7	35
108	Ultrafast Cathodic Exfoliation of Few-Layer Black Phosphorus in Aqueous Solution. <i>ACS Applied Nano Materials</i> , 2019, 2, 3793-3801.	2.4	35

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109	Designing Upconversion Nanocrystals Capable of 745â€¦nm Sensitization and 803â€¦nm Emission for Deepâ€¦Tissue Imaging. <i>Chemistry - A European Journal</i> , 2016, 22, 10801-10807.	1.7	34
110	Chemical Reactions of 2,5-Dimercapto-1,3,4-thiadiazole (DMTD) with Metallic Copper, Silver, and Mercury. <i>Journal of Physical Chemistry B</i> , 2001, 105, 7984-7989.	1.2	33
111	NaF-mediated controlled-synthesis of multicolor Na_xScF_{3+x}:Yb/Er upconversion nanocrystals. <i>Nanoscale</i> , 2015, 7, 4048-4054.	2.8	33
112	Plasmonâ€¦Enhanced Blue Upconversion Luminescence by Indium Nanocrystals. <i>Advanced Functional Materials</i> , 2019, 29, 1901242.	7.8	32
113	Sequenceâ€¦Dependent DNA Functionalization of Upconversion Nanoparticles and Their Programmable Assemblies. <i>Angewandte Chemie</i> , 2020, 132, 8210-8214.	1.6	32
114	Three-Dimensional Colloidal Controlled Growth of Coreâ€¦Shell Heterostructured Persistent Luminescence Nanocrystals. <i>Nano Letters</i> , 2021, 21, 4903-4910.	4.5	32
115	Selfâ€¦Assembled Metalâ€¦Organic Framework Stabilized Organic Cocrystals for Biological Phototherapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23569-23573.	7.2	32
116	Mobility of heavy metals and rare earth elements in incineration bottom ash through particle size reduction. <i>Chemical Engineering Science</i> , 2014, 118, 214-220.	1.9	31
117	From ScOOH to Sc₂O₃: Phase Control, Luminescent Properties, and Applications. <i>Advanced Materials</i> , 2016, 28, 6665-6671.	11.1	31
118	Highly Selective Directed Assembly of Functional Actomyosin on Au Surfaces. <i>Langmuir</i> , 2005, 21, 3213-3216.	1.6	30
119	Water-soluble conjugated polyelectrolyte brush encapsulated rare-earth ion doped nanoparticles with dual-upconversion properties for multicolor cell imaging. <i>Chemical Communications</i> , 2013, 49, 9012.	2.2	30
120	Expanding Antiâ€¦Stokes Shifting in Tripletâ€¦Triplet Annihilation Upconversion for Inâ€¦Vivo Anticancer Prodrug Activation. <i>Angewandte Chemie</i> , 2017, 129, 14592-14596.	1.6	30
121	Spatially confined luminescence process in tip-modified heterogeneous-structured microrods for high-level anti-counterfeiting. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9516-9522.	1.3	30
122	Erbium(<sc>iii</sc>)-based metalâ€¦organic frameworks with tunable upconversion emissions. <i>Dalton Transactions</i> , 2018, 47, 12868-12872.	1.6	30
123	â€¦Sliding kineticsâ€¦of single-walled carbon nanotubes on self-assembled monolayer patterns: Beyond random adsorption. <i>Journal of Chemical Physics</i> , 2006, 124, 224707.	1.2	29
124	â€¦Lensâ€¦Effect in Directed Assembly of Nanowires on Gradient Molecular Patterns. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10217-10219.	1.2	28
125	Improving the Performance of Microbial Fuel Cells through Anode Manipulation. <i>ChemPlusChem</i> , 2015, 80, 1216-1225.	1.3	28
126	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

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127	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
128	Sc ³⁺ -induced morphology, phase structure, and upconversion luminescence evolution of YF ₃ :Yb/Er nanocrystals. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6450-6456.	2.7	26
129	Packed anode derived from cocklebur fruit for improving long-term performance of microbial fuel cells. <i>Science China Materials</i> , 2019, 62, 645-652.	3.5	26
130	Enhancing Rechargeable Persistent Luminescence via Organic Dye Sensitization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15886-15890.	7.2	26
131	Elucidation of the Intersystem Crossing Mechanism in a Helical BODIPY for Low-Dose Photodynamic Therapy. <i>Angewandte Chemie</i> , 2020, 132, 16248-16255.	1.6	26
132	A difunctional metal-organic framework with Lewis basic sites demonstrating turn-off sensing of Cu ²⁺ and sensitization of Ln ³⁺ . <i>Journal of Materials Chemistry C</i> , 2018, 6, 7874-7879.	2.7	24
133	Conversion of municipal solid waste incineration bottom ash to sorbent material for pollutants removal from water. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 60, 275-286.	2.7	23
134	Gold Nanowire Chiral Ultrathin Films with Ultrastrong and Broadband Optical Activity. <i>Angewandte Chemie</i> , 2017, 129, 5137-5142.	1.6	23
135	Ferrocene Functionalized Upconversion Nanoparticle Nanosystem with Efficient Near-Infrared-Light-Promoted Fenton-Like Reaction for Tumor Growth Suppression. <i>Inorganic Chemistry</i> , 2020, 59, 9177-9187.	1.9	23
136	Polyethylene Glycol as a Novel Resist and Sacrificial Material for Generating Positive and Negative Nanostructures. <i>Small</i> , 2008, 4, 920-924.	5.2	22
137	Controlled Synthesis, Evolution Mechanisms, and Luminescent Properties of ScF _x :Ln (x = 2.76, 3) Nanocrystals. <i>Chemistry of Materials</i> , 2017, 29, 9758-9766.	3.2	22
138	Directed-assembly of single-walled carbon nanotubes using self-assembled monolayer patterns comprising conjugated molecular wires. <i>Nanotechnology</i> , 2006, 17, 3569-3573.	1.3	21
139	Biomimetic Chiral Photonic Crystals. <i>Angewandte Chemie</i> , 2019, 131, 7865-7869.	1.6	21
140	Perovskite Oxides for Cathodic Electrocatalysis of Energy-Related Gases: From O ₂ to CO ₂ and N ₂ . <i>Advanced Functional Materials</i> , 2021, 31, 2101872.	7.8	21
141	Selective Assembly and Alignment of Actin Filaments with Desired Polarity on Solid Substrates. <i>Langmuir</i> , 2006, 22, 8635-8638.	1.6	20
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