

Xiaogang Liu

List of Publications by Year in descending order

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276
papers

26,910
citations

7568

77
h-index

6654

156
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all docs

285
docs citations

285
times ranked

22330
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimodal Tuning of Synaptic Plasticity Using Persistent Luminescent Memitters. <i>Advanced Materials</i> , 2022, 34, e2101895.	21.0	31
2	Deciphering Nanoparticle Trafficking into Glioblastomas Uncovers an Augmented Antitumor Effect of Metronomic Chemotherapy. <i>Advanced Materials</i> , 2022, 34, e2106194.	21.0	17
3	Noninvasive Manipulation of Ion Channels for Neuromodulation and Theranostics. <i>Accounts of Materials Research</i> , 2022, 3, 247-258.	11.7	11
4	Rare-Earth Doping in Nanostructured Inorganic Materials. <i>Chemical Reviews</i> , 2022, 122, 5519-5603.	47.7	338
5	A Descriptor for Accurate Predictions of Host Molecules Enabling Ultralong Room-Temperature Phosphorescence in Guest Emitters. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	17
6	A PET-based fluorescent probe for monitoring labile Fe(II) pools in macrophage activations and ferroptosis. <i>Chemical Communications</i> , 2022, 58, 2979-2982.	4.1	13
7	High-fidelity imaging of amyloid-beta deposits with an ultrasensitive fluorescent probe facilitates the early diagnosis and treatment of Alzheimer's Disease. <i>Theranostics</i> , 2022, 12, 2549-2559.	10.0	20
8	Unique assembly of carbonylpyridinium and chromene reveals mitochondrial thiol starvation under ferroptosis and novel ferroptosis inducer. <i>Chemical Science</i> , 2022, 13, 3706-3712.	7.4	19
9	Polarization-sensitive optoionic membranes from chiral plasmonic nanoparticles. <i>Nature Nanotechnology</i> , 2022, 17, 408-416.	31.5	83
10	Overcoming Spectral Dependence: A General Strategy for Developing Far-Red and Near-Infrared Ultra-Fluorogenic Tetrazine Bioorthogonal Probes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	31
11	An Acid-Regulated Self-Blinking Fluorescent Probe for Resolving Whole-Cell Lysosomes with Long-Term Nanoscopy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	28
12	An Acid-Regulated Self-Blinking Fluorescent Probe for Resolving Whole-Cell Lysosomes with Long-Term Nanoscopy. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	6
13	Overcoming Spectral Dependence: A General Strategy for Developing Far-Red and Near-Infrared Ultra-Fluorogenic Tetrazine Bioorthogonal Probes. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
14	A TICS-fluorophore based probe for dual-color GSH imaging. <i>Chinese Chemical Letters</i> , 2022, 33, 4943-4947.	9.0	31
15	A General Method to Develop Highly Environmentally Sensitive Fluorescent Probes and AIEgens. <i>Advanced Science</i> , 2022, 9, e2104609.	11.2	35
16	A nanotheranostic agent based on Nd ³⁺ -doped YVO ₄ with blood-brain-barrier permeability for NIR-II fluorescence imaging/magnetic resonance imaging and boosted sonodynamic therapy of orthotopic glioma. <i>Light: Science and Applications</i> , 2022, 11, 116.	16.6	56
17	Selective Mono- and Diamination of Ketones in a Combined Copper-Organocatalyst System. <i>Organic Letters</i> , 2022, 24, 3614-3619.	4.6	14
18	Enhancing Brightness and Photostability of Organic Small Molecular Fluorescent Dyes Through Inhibiting Twisted Intramolecular Charge Transfer (TICT). <i>Acta Chimica Sinica</i> , 2022, 80, 553.	1.4	2

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19	Frontispiz: Overcoming Spectral Dependence: A General Strategy for Developing Farâ€Red and Nearâ€Infrared Ultraâ€Fluorogenic Tetrazine Bioorthogonal Probes. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
20	Frontispiece: Overcoming Spectral Dependence: A General Strategy for Developing Farâ€Red and Nearâ€Infrared Ultraâ€Fluorogenic Tetrazine Bioorthogonal Probes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	0
21	Rapid quantification of ethanol content in aqueous solutions using a ratiometric fluorescent sensor. <i>Sensors & Diagnostics</i> , 2022, 1, 714-718.	3.8	3
22	Excited-State Optically Detected Magnetic Resonance of Spin Defects in Hexagonal Boron Nitride. <i>Physical Review Letters</i> , 2022, 128, .	7.8	25
23	Molecular origins of the multi-donor strategy in inducing bathochromic shifts and enlarging Stokes shifts of fluorescent proteins. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 15937-15944.	2.8	5
24	Self-Regulating Solar Steam Generators Enable Volatile Organic Compound Removal through In Situ H ₂ O ₂ Generation. <i>Environmental Science & Technology</i> , 2022, 56, 10474-10482.	10.0	15
25	â€Crossbreedingâ€Small-Molecular Weight NIR-II Flavchromenes Endows Activatable Multiplexed In Vivo Imaging. , 2022, 4, 1493-1502.		9
26	A Systematic Study on the Relationship Between Viscosity Sensitivity and Temperature Dependency of BODIPY Rotors. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 91-94.	1.9	5
27	Water-soluble polyaromatic-based imidazolium for detecting picric acid: Pyrene vs. anthracene. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129287.	7.8	29
28	An ESIPT-induced NIR fluorescent probe to visualize mitochondrial sulfur dioxide during oxidative stress <i>in vivo</i> . <i>Chemical Communications</i> , 2021, 57, 655-658.	4.1	49
29	Recent Developments in Prosthesis Sensors, Texture Recognition, and Sensory Stimulation for Upper Limb Prostheses. <i>Annals of Biomedical Engineering</i> , 2021, 49, 57-74.	2.5	24
30	Self-assembly of colloidal inorganic nanocrystals: nanoscale forces, emergent properties and applications. <i>Chemical Society Reviews</i> , 2021, 50, 2074-2101.	38.1	54
31	Self-Adjuvanted Molecular Activator (SeaMac) Nanovaccines Promote Cancer Immunotherapy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002080.	7.6	20
32	Uncovering the Metabolic Origin of Aspartate for Tumor Growth Using an Integrated Molecular Deactivator. <i>Nano Letters</i> , 2021, 21, 778-784.	9.1	13
33	Stimulation of neural stem cell differentiation by circularly polarized light transduced by chiral nanoassemblies. <i>Nature Biomedical Engineering</i> , 2021, 5, 103-113.	22.5	98
34	Oxidative Sulfonylation of Hydrazones Enabled by Synergistic Copper/Silver Catalysis. <i>Journal of Organic Chemistry</i> , 2021, 86, 3706-3720.	3.2	19
35	A unified fluorescence quenching mechanism of tetrazine-based fluorogenic dyes: energy transfer to a dark state. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7012-7021.	5.9	28
36	Organic phosphors with bright triplet excitons for efficient X-ray-excited luminescence. <i>Nature Photonics</i> , 2021, 15, 187-192.	31.4	237

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37	Theoretical studies on triplet formations in nitrobenzoxadiazole (NBD) derivatives: The impact of donor group and heteroatom substitution. <i>Results in Chemistry</i> , 2021, 3, 100116.	2.0	0
38	Thermal equilibria between conformers enable highly reliable single-fluorophore ratiometric thermometers. <i>Analyst</i> , 2021, 146, 4219-4225.	3.5	5
39	Lanthanide-doped nanoparticles in photovoltaics – more than just upconversion. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16110-16131.	5.5	19
40	State-crossing from a Locally Excited to an Electron Transfer State(SLEET) Model Rationalizing the Aggregation-induced Emission Mechanism of (Bi)piperidylanthracenes. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 157-161.	2.6	9
41	One-step condensation synthesis and characterizations of indocyanine green. <i>Results in Chemistry</i> , 2021, 3, 100092.	2.0	6
42	Chiral Single-Photon Generators. <i>ACS Nano</i> , 2021, 15, 1912-1916.	14.6	16
43	Methine-Quinoidal Fragment Induces Significant Bathochromic Shifts in Organic Dyes. <i>Journal of Physical Chemistry B</i> , 2021, 125, 1447-1452.	2.6	5
44	Surface Plasmon-Photon Coupling in Lanthanide-Doped Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1520-1541.	4.6	52
45	High-resolution X-ray luminescence extension imaging. <i>Nature</i> , 2021, 590, 410-415.	27.8	378
46	Multiphoton Upconversion Enhanced by Deep Subwavelength Near-Field Confinement. <i>Nano Letters</i> , 2021, 21, 3044-3051.	9.1	48
47	Dynamic upconversion multicolour editing enabled by molecule-assisted opto-electrochemical modulation. <i>Nature Communications</i> , 2021, 12, 2022.	12.8	36
48	Stimuli-Responsive Memristive Materials for Artificial Synapses and Neuromorphic Computing. <i>Advanced Materials</i> , 2021, 33, e2006469.	21.0	88
49	Quantum Dots for Photovoltaics: A Tale of Two Materials. <i>Advanced Energy Materials</i> , 2021, 11, 2100354.	19.5	77
50	Construction and regulation of imidazo[1,5-a]pyridines with AIE characteristics via iodine mediated Csp ² -H or Csp ³ -H amination. <i>Chinese Chemical Letters</i> , 2021, 32, 3083-3086.	9.0	12
51	Aggregation-induced emission or aggregation-caused quenching? Impact of covalent bridge between tetraphenylethene and naphthalimide. <i>Chinese Chemical Letters</i> , 2021, 32, 1790-1794.	9.0	54
52	Resonant Scattering Manipulation of Dielectric Nanoparticles. <i>Advanced Optical Materials</i> , 2021, 9, 2100112.	7.3	36
53	Ladder-like energy-relaying exciplex enables 100% internal quantum efficiency of white TADF-based diodes in a single emissive layer. <i>Nature Communications</i> , 2021, 12, 3640.	12.8	46
54	Continuous-wave near-infrared stimulated-emission depletion microscopy using downshifting lanthanide nanoparticles. <i>Nature Nanotechnology</i> , 2021, 16, 975-980.	31.5	50

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55	Photon upconversion through triplet exciton-mediated energy relay. <i>Nature Communications</i> , 2021, 12, 3704.	12.8	38
56	Fluorescence umpolung enables light-up sensing of N-acetyltransferases and nerve agents. <i>Nature Communications</i> , 2021, 12, 3869.	12.8	51
57	Energy transfer followed by electron transfer (ETET) endows a TPE-NBD dyad with enhanced environmental sensitivity. <i>Chinese Chemical Letters</i> , 2021, 32, 1937-1941.	9.0	18
58	X-ray-activated persistent luminescence nanomaterials for NIR-II imaging. <i>Nature Nanotechnology</i> , 2021, 16, 1011-1018.	31.5	335
59	Spin-Orbit Torque-Induced Domain Nucleation for Neuromorphic Computing. <i>Advanced Materials</i> , 2021, 33, e2103672.	21.0	41
60	An Approach to Developing Cyanines with Simultaneous Intersystem Crossing Enhancement and Excited-State Lifetime Elongation for Photodynamic Antitumor Metastasis. <i>Journal of the American Chemical Society</i> , 2021, 143, 12345-12354.	13.7	80
61	Enantiospecific Detection of D-Amino Acid through Synergistic Upconversion Energy Transfer. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19648-19652.	13.8	13
62	Solution Epitaxy of Halide Perovskite Thin Single Crystals for Stable Transistors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 37840-37848.	8.0	6
63	Enantiospecific Detection of D-Amino Acid through Synergistic Upconversion Energy Transfer. <i>Angewandte Chemie</i> , 2021, 133, 19800-19804.	2.0	2
64	Emerging strategies in developing multifunctional nanomaterials for cancer nanotheranostics. <i>Advanced Drug Delivery Reviews</i> , 2021, 178, 113907.	13.7	46
65	Effect of thoracic spinal cord injury on forelimb somatosensory evoked potential. <i>Brain Research Bulletin</i> , 2021, 173, 22-27.	3.0	4
66	Bio-orthogonal Red and Far-Red Fluorogenic Probes for Wash-Free Live-Cell and Super-resolution Microscopy. <i>ACS Central Science</i> , 2021, 7, 1561-1571.	11.3	57
67	Confining isolated chromophores for highly efficient blue phosphorescence. <i>Nature Materials</i> , 2021, 20, 1539-1544.	27.5	257
68	Organic Semiconductor Single Crystals for X-ray Imaging. <i>Advanced Materials</i> , 2021, 33, e2104749.	21.0	43
69	A chemical biology approach reveals a dependency of glioblastoma on biotin distribution. <i>Science Advances</i> , 2021, 7, eabf6033.	10.3	10
70	Self-Assembly of Surface-Functionalized Ag _{1.8} Mn ₈ O ₁₆ Nanorods with Reduced Graphene Oxide Nanosheets as an Efficient Bifunctional Electrocatalyst for Rechargeable Zinc-Air Batteries. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3677-3682.	3.3	4
71	Restriction of Twisted Intramolecular Charge Transfer Enables the Aggregation-Induced Emission of 1-(<i>N,N</i> -Dialkylamino)-naphthalene Derivatives. <i>Journal of Physical Chemistry A</i> , 2021, 125, 8397-8403.	2.5	19
72	Signal Filtering Enabled by Spike Voltage-Dependent Plasticity in Metalloporphyrin-Based Memristors. <i>Advanced Materials</i> , 2021, 33, e2104370.	21.0	30

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73	Stable Super-Resolution Imaging of Lipid Droplet Dynamics through a Buffer Strategy with a Hydrogen-Bond Sensitive Fluorogenic Probe. <i>Angewandte Chemie</i> , 2021, 133, 25308-25317.	2.0	9
74	Mapping Drug-Induced Neuropathy through In-Situ Motor Protein Tracking and Machine Learning. <i>Journal of the American Chemical Society</i> , 2021, 143, 14907-14915.	13.7	11
75	Anomalous upconversion amplification induced by surface reconstruction in lanthanide sublattices. <i>Nature Photonics</i> , 2021, 15, 732-737.	31.4	77
76	Force-Induced Near-Infrared Chromism of Mechanophore-Linked Polymers. <i>Journal of the American Chemical Society</i> , 2021, 143, 17337-17343.	13.7	36
77	Stable Super-Resolution Imaging of Lipid Droplet Dynamics through a Buffer Strategy with a Hydrogen-Bond Sensitive Fluorogenic Probe. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25104-25113.	13.8	60
78	Molecular-Dimension-Dependent ESIPT Break for Specific Reversible Response to GSH and Its Real-Time Bioimaging. <i>Analytical Chemistry</i> , 2021, 93, 12801-12807.	6.5	27
79	A smart TP-FRET-based ratiometric fluorescent sensor for bisulfite/formaldehyde detection and its imaging application. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130331.	7.8	20
80	Bioinspired Design of Reversible Fluorescent Probes for Tracking Nitric Oxide Dynamics in Live Cells. <i>CCS Chemistry</i> , 2021, 3, 116-128.	7.8	12
81	Upconversion Nanoparticle-Mediated Optogenetics. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1293, 641-657.	1.6	5
82	The screening of drug-induced nephrotoxicity using gold nanocluster-based ratiometric fluorescent probes. <i>Nanoscale</i> , 2021, 13, 13835-13844.	5.6	5
83	Twisted intramolecular charge transfer (TICT) and twists beyond TICT: from mechanisms to rational designs of bright and sensitive fluorophores. <i>Chemical Society Reviews</i> , 2021, 50, 12656-12678.	38.1	221
84	An Edaravone-Guided Design of a Rhodamine-Based Turn-on Fluorescent Probe for Detecting Hydroxyl Radicals in Living Systems. <i>Analytical Chemistry</i> , 2021, 93, 14343-14350.	6.5	26
85	High-Specificity In Vivo Tumor Imaging Using Bioorthogonal NIR-II Nanoparticles. <i>Advanced Materials</i> , 2021, 33, e2102950.	21.0	46
86	(INVITED) Opposing effects of energy migration and cross-relaxation on surface sensitivity of lanthanide-doped nanocrystals. <i>Optical Materials: X</i> , 2021, 12, 100104.	0.8	3
87	Stimuli-Responsive Memristive Materials for Artificial Synapses and Neuromorphic Computing (Adv.) <i>Tj ETQq1 1 0,784314 rgBT /Over</i>	21.0	11
88	First-principles calculations of strain engineering in NaYF ₄ -based nanocrystals with hydroxyl impurities. <i>Nanoscale</i> , 2021, 13, 19561-19567.	5.6	6
89	Impact of the Structural Modification of Diamondoid Cd(II) MOFs on the Nonlinear Optical Properties. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 60163-60172.	8.0	13
90	Photo-Induced Cross-Dehydrogenative Alkylation of Heteroarenes with Alkanes under Aerobic Conditions. <i>Journal of Organic Chemistry</i> , 2021, 86, 17816-17832.	3.2	32

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91	Giant Enhancement of Second Harmonic Generation Accompanied by the Structural Transformation of 7â€Fold to 8â€Fold Interpenetrated Metalâ€Organic Frameworks (MOFs). <i>Angewandte Chemie - International Edition</i> , 2020, 59, 833-838.	13.8	52
92	Driving Neurogenesis in Neural Stem Cells with High Sensitivity Optogenetics. <i>NeuroMolecular Medicine</i> , 2020, 22, 139-149.	3.4	7
93	Spectral converters for photovoltaics â€“ Whatâ€™s ahead. <i>Materials Today</i> , 2020, 33, 105-121.	14.2	83
94	Designing Subâ€2â€...nm Organosilica Nanohybrids for Farâ€Field Superâ€Resolution Imaging. <i>Angewandte Chemie</i> , 2020, 132, 756-761.	2.0	3
95	Designing Subâ€2â€...nm Organosilica Nanohybrids for Farâ€Field Superâ€Resolution Imaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 746-751.	13.8	19
96	Characterization of transection spinal cord injuries by monitoring somatosensory evoked potentials and motor behavior. <i>Brain Research Bulletin</i> , 2020, 156, 150-163.	3.0	13
97	Efficient and Stable Organic Light-Emitting Diodes Employing Indolo[2,3- <i>b</i>]indole-Based Thermally Activated Delayed Fluorescence Emitters. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6127-6136.	8.0	23
98	Upconversion Nanoparticle Powered Microneedle Patches for Transdermal Delivery of siRNA. <i>Advanced Healthcare Materials</i> , 2020, 9, e1900635.	7.6	57
99	Molecular Origins of Heteroatom Engineering on the Emission Wavelength Tuning, Quantum Yield Variations and Fluorogenicity of NBDâ€like SCOTfluors. <i>Chemistry - an Asian Journal</i> , 2020, 15, 4082-4086.	3.3	8
100	Decoding a Percolation Phase Transition of Water at ≈ 330 K with a Nanoparticle Ruler. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6704-6711.	4.6	13
101	Trading baseline with forelimbs somatosensory evoked potential for longitudinal analysis in thoracic transection spinal cord injury. <i>Journal of Neuroscience Methods</i> , 2020, 343, 108858.	2.5	4
102	Molecular Origins of Photoinduced Backward Intramolecular Charge Transfer. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16820-16826.	3.1	19
103	Lanthanide-doped inorganic nanoparticles turn molecular triplet excitons bright. <i>Nature</i> , 2020, 587, 594-599.	27.8	135
104	Descriptor Γ^G Enables the Quantitative Design of Spontaneously Blinking Rhodamines for Liveâ€Cell Superâ€Resolution Imaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20215-20223.	13.8	50
105	Multiple Factors Regulate the Spirocyclization Equilibrium of Si-Rhodamines. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7467-7474.	2.6	8
106	Lanthanide-Activated Nanoparticles: A Toolbox for Bioimaging, Therapeutics, and Neuromodulation. <i>Accounts of Chemical Research</i> , 2020, 53, 2692-2704.	15.6	123
107	Photolithographic Fabrication of Upconversion Barcodes for Multiplexed Molecular Detection. <i>Advanced Optical Materials</i> , 2020, 8, 2001168.	7.3	8
108	Fluorophore-Promoted Facile Deprotonation and Exocyclic Five-Membered Ring Cyclization for Selective and Dynamic Tracking of Labile Glyoxals. <i>Analytical Chemistry</i> , 2020, 92, 13829-13838.	6.5	18

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109	Descriptor Γ^G Enables the Quantitative Design of Spontaneously Blinking Rhodamines for Live-Cell Super-Resolution Imaging. <i>Angewandte Chemie</i> , 2020, 132, 20390-20398.	2.0	18
110	Nanotunnels within Poly(3,4-ethylenedioxythiophene)-Carbon Nanotube Composite for Highly Sensitive Neural Interfacing. <i>ACS Nano</i> , 2020, 14, 8059-8073.	14.6	37
111	A General Descriptor Γ^E Enables the Quantitative Development of Luminescent Materials Based on Photoinduced Electron Transfer. <i>Journal of the American Chemical Society</i> , 2020, 142, 6777-6785.	13.7	115
112	Chiral-perovskite optoelectronics. <i>Nature Reviews Materials</i> , 2020, 5, 423-439.	48.7	445
113	AI-Egen-coupled upconversion nanoparticles eradicate solid tumors through dual-mode ROS activation. <i>Science Advances</i> , 2020, 6, eabb2712.	10.3	100
114	De novo strategy with engineering anti-Kasha/Kasha fluorophores enables reliable ratiometric quantification of biomolecules. <i>Nature Communications</i> , 2020, 11, 793.	12.8	74
115	Localized Electrons Enhanced Ion Transport for Ultrafast Electrochemical Energy Storage. <i>Advanced Materials</i> , 2020, 32, e1905578.	21.0	39
116	Molecular Mechanism of Viscosity Sensitivity in BODIPY Rotors and Application to Motion-Based Fluorescent Sensors. <i>ACS Sensors</i> , 2020, 5, 731-739.	7.8	80
117	Activatable selenium-containing fluorescent apoptotic agent for biosensing and tracing cancer cell apoptosis. <i>Sensors and Actuators B: Chemical</i> , 2020, 311, 127915.	7.8	7
118	Towards tetrazine-based near-infrared fluorogenic dyes: Is there a wavelength limit?. <i>Dyes and Pigments</i> , 2020, 177, 108313.	3.7	25
119	Solution-Processed Mixed-Dimensional Hybrid Perovskite/Carbon Nanotube Electronics. <i>ACS Nano</i> , 2020, 14, 3969-3979.	14.6	30
120	A Sequential Dual-Lock Strategy for Photoactivatable Chemiluminescent Probes Enabling Bright Duplex Optical Imaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9059-9066.	13.8	92
121	A Unified Push-Pull Model for Understanding the Ring-Opening Mechanism of Rhodamine Dyes. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3793-3801.	3.1	58
122	Controlling Metallophilic Interactions in Chiral Gold(I) Double Salts towards Excitation Wavelength-Tunable Circularly Polarized Luminescence. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6915-6922.	13.8	71
123	Quantitative Design of Bright Fluorophores and AI-Egens by the Accurate Prediction of Twisted Intramolecular Charge Transfer (TICT). <i>Angewandte Chemie</i> , 2020, 132, 10246-10258.	2.0	36
124	A Sequential Dual-Lock Strategy for Photoactivatable Chemiluminescent Probes Enabling Bright Duplex Optical Imaging. <i>Angewandte Chemie</i> , 2020, 132, 9144-9151.	2.0	20
125	A Review of Functional Electrical Stimulation Treatment in Spinal Cord Injury. <i>NeuroMolecular Medicine</i> , 2020, 22, 447-463.	3.4	47
126	Quantitative Design of Bright Fluorophores and AI-Egens by the Accurate Prediction of Twisted Intramolecular Charge Transfer (TICT). <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10160-10172.	13.8	131

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127	Improving Cancer Immunotherapy Outcomes Using Biomaterials. <i>Angewandte Chemie</i> , 2020, 132, 17484-17495.	2.0	12
128	Photoinduced site-selective alkenylation of alkanes and aldehydes with aryl alkenes. <i>Nature Communications</i> , 2020, 11, 1956.	12.8	116
129	Improving Cancer Immunotherapy Outcomes Using Biomaterials. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17332-17343.	13.8	48
130	Combating the Coronavirus Pandemic: Early Detection, Medical Treatment, and a Concerted Effort by the Global Community. <i>Research</i> , 2020, 2020, 6925296.	5.7	26
131	Expanding the Toolbox of Upconversion Nanoparticles for In Vivo Optogenetics and Neuromodulation. <i>Advanced Materials</i> , 2019, 31, e1803474.	21.0	118
132	Continuously Producing Watersteam and Concentrated Brine from Seawater by Hanging Photothermal Fabrics under Sunlight. <i>Advanced Functional Materials</i> , 2019, 29, 1905485.	14.9	178
133	Revealing the switching mechanisms of an off-on-off fluorescent logic gate system. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16798-16803.	2.8	23
134	In Vivo Tumor Visualization through MRI Off-On Switching of NaGdF ₄ -CaCO ₃ Nanoconjugates. <i>Advanced Materials</i> , 2019, 31, e1901851.	21.0	79
135	Millisecond-scale, High-efficiency Modulation of Upconversion Luminescence by Photochemically Derived Graphene. <i>Advanced Optical Materials</i> , 2019, 7, 1901345.	7.3	7
136	Upconverting Nanorockers for Intracellular Viscosity Measurements During Chemotherapy. <i>Advanced Biology</i> , 2019, 3, e1900082.	3.0	12
137	Activating Antitumor Immunity and Antimetastatic Effect Through Polydopamine-Encapsulated Core-Shell Upconversion Nanoparticles. <i>Advanced Materials</i> , 2019, 31, e1905825.	21.0	179
138	Flexible and Washable CNT-Embedded PAN Nonwoven Fabrics for Solar-Enabled Evaporation and Desalination of Seawater. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35005-35014.	8.0	175
139	Quaternary Piperazine-Substituted Rhodamines with Enhanced Brightness for Super-Resolution Imaging. <i>Journal of the American Chemical Society</i> , 2019, 141, 14491-14495.	13.7	140
140	Plasmonic bimetallic nanodisk arrays for DNA conformation sensing. <i>Nanoscale</i> , 2019, 11, 19291-19296.	5.6	10
141	Tunable Resonator-Converted Emission (TRUE) Color Printing and Applications in Optical Security. <i>Advanced Materials</i> , 2019, 31, e1807900.	21.0	111
142	Crystal Multi-Conformational Control Through Deformable Carbon-Sulfur Bond for Singlet-Triplet Emissive Tuning. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4328-4333.	13.8	82
143	Rapid Identification of Bacteria by Membrane-Responsive Aggregation of a Pyrene Derivative. <i>ACS Sensors</i> , 2019, 4, 281-285.	7.8	36
144	Rhodamine-naphthalimide demonstrated a distinct aggregation-induced emission mechanism: elimination of dark-states via dimer interactions (EDDI). <i>Chemical Communications</i> , 2019, 55, 1446-1449.	4.1	32

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