Bo Tang

List of Publications by Year in descending order

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670	36,614	2700 95	8452 147
papers	citations	h-index	g-index

683	683	683	28207
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrochemical Ammonia Synthesis via Nitrogen Reduction Reaction on a MoS₂ Catalyst: Theoretical and Experimental Studies. Advanced Materials, 2018, 30, e1800191.	21.5	697
2	High-performance artificial nitrogen fixation at ambient conditions using a metal-free electrocatalyst. Nature Communications, 2018, 9, 3485.	13.0	615
3	Boosted Electrocatalytic N₂ Reduction to NH₃ by Defectâ€Rich MoS₂ Nanoflower. Advanced Energy Materials, 2018, 8, 1801357.	19.9	482
4	Fluorescent probes for organelle-targeted bioactive species imaging. Chemical Science, 2019, 10, 6035-6071.	7.6	463
5	A Near-Infrared Neutral pH Fluorescent Probe for Monitoring Minor pH Changes: Imaging in Living HepG2 and HL-7702 Cells. Journal of the American Chemical Society, 2009, 131, 3016-3023.	14.2	444
6	Small-Molecule Fluorescent Probes for Imaging and Detection of Reactive Oxygen, Nitrogen, and Sulfur Species in Biological Systems. Analytical Chemistry, 2018, 90, 533-555.	6.6	412
7	A Rhodamine-Based Fluorescent Probe Containing a Seâ^'N Bond for Detecting Thiols and Its Application in Living Cells. Journal of the American Chemical Society, 2007, 129, 11666-11667.	14.2	381
8	A biomimetic nanoreactor for synergistic chemiexcited photodynamic therapy and starvation therapy against tumor metastasis. Nature Communications, 2018, 9, 5044.	13.0	380
9	A near-infrared ratiometric fluorescent probe for rapid and highly sensitive imaging of endogenous hydrogen sulfide in living cells. Chemical Science, 2013, 4, 2551.	7.6	319
10	A Multicolor Nanoprobe for Detection and Imaging of Tumorâ€Related mRNAs in Living Cells. Angewandte Chemie - International Edition, 2012, 51, 7426-7430.	14.2	298
11	High-Performance N₂-to-NH₃ Conversion Electrocatalyzed by Mo₂C Nanorod. ACS Central Science, 2019, 5, 116-121.	11.6	292
12	H₂Sâ€Activable MOF Nanoparticle Photosensitizer for Effective Photodynamic Therapy against Cancer with Controllable Singletâ€Oxygen Release. Angewandte Chemie - International Edition, 2017, 56, 13752-13756.	14.2	283
13	A Near-Infrared Triggered Nanophotosensitizer Inducing Domino Effect on Mitochondrial Reactive Oxygen Species Burst for Cancer Therapy. ACS Nano, 2015, 9, 11064-11074.	14.9	274
14	A New Nanobiosensor for Glucose with High Sensitivity and Selectivity in Serum Based on Fluorescence Resonance Energy Transfer (FRET) between CdTe Quantum Dots and Au Nanoparticles. Chemistry - A European Journal, 2008, 14, 3637-3644.	3.4	261
15	Enhanced Photodynamic Therapy by Reduced Levels of Intracellular Glutathione Obtained By Employing a Nanoâ€MOF with Cu^{II} as the Active Center. Angewandte Chemie - International Edition, 2018, 57, 4891-4896.	14.2	259
16	Facile Route to Î±-FeOOH and Î±-Fe2O3Nanorods and Magnetic Property of Î±-Fe2O3Nanorods. Inorganic Chemistry, 2006, 45, 5196-5200.	4.2	239
17	A Dualâ€Targeted Organic Photothermal Agent for Enhanced Photothermal Therapy. Angewandte Chemie - International Edition, 2019, 58, 1057-1061.	14.2	232
18	16% efficiency all-polymer organic solar cells enabled by a finely tuned morphology via the design of ternary blend. Joule, 2021, 5, 914-930.	24.4	228

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19	Fluorescent Biosensors Based on Single-Molecule Counting. Accounts of Chemical Research, 2016, 49, 1722-1730.	16.1	218
20	High Specific and Ultrasensitive Isothermal Detection of MicroRNA by Padlock Probe-Based Exponential Rolling Circle Amplification. Analytical Chemistry, 2013, 85, 7941-7947.	6.6	215
21	Hollow Mesoporous Silica Nanoparticles with Tunable Structures for Controlled Drug Delivery. ACS Applied Materials & Interfaces, 2017, 9, 2123-2129.	8.2	213
22	Nuclear-Targeted Photothermal Therapy Prevents Cancer Recurrence with Near-Infrared Triggered Copper Sulfide Nanoparticles. ACS Nano, 2018, 12, 5197-5206.	14.9	213
23	Copper sulfide nanoparticles as a photothermal switch for TRPV1 signaling to attenuate atherosclerosis. Nature Communications, 2018, 9, 231.	13.0	207
24	Dynamic and Reversible Fluorescence Imaging of Superoxide Anion Fluctuations in Live Cells and in Vivo. Journal of the American Chemical Society, 2013, 135, 14956-14959.	14.2	204
25	A Highly Selective and Instantaneous Nanoprobe for Detection and Imaging of Ascorbic Acid in Living Cells and in Vivo. Analytical Chemistry, 2014, 86, 3924-3930.	6.6	203
26	Tumor-Targeted Cascade Nanoreactor Based on Metalâ€“Organic Frameworks for Synergistic Ferroptosisâ€“Starvation Anticancer Therapy. ACS Nano, 2020, 14, 11017-11028.	14.9	203
27	Two-color imaging of microRNA with enzyme-free signal amplification via hybridization chain reactions in living cells. Chemical Science, 2016, 7, 1940-1945.	7.6	202
28	Multiplexed Detection and Imaging of Intracellular mRNAs Using a Four-Color Nanoprobe. Analytical Chemistry, 2013, 85, 10581-10588.	6.6	195
29	Partially amorphous nickelâ€“iron layered double hydroxide nanosheet arrays for robust bifunctional electrocatalysis. Journal of Materials Chemistry A, 2018, 6, 16121-16129.	10.4	193
30	Observation of Acetylcholinesterase in Stress-Induced Depression Phenotypes by Two-Photon Fluorescence Imaging in the Mouse Brain. Journal of the American Chemical Society, 2019, 141, 2061-2068.	14.2	193
31	Highly Specific and Ultrasensitive Two-Photon Fluorescence Imaging of Native HOCl in Lysosomes and Tissues Based on Thiocarbamate Derivatives. Analytical Chemistry, 2016, 88, 12532-12538.	6.6	190
32	A near-infrared reversible fluorescent probe for real-time imaging of redox status changes in vivo. Chemical Science, 2013, 4, 1079.	7.6	187
33	Two-photon small-molecule fluorescence-based agents for sensing, imaging, and therapy within biological systems. Chemical Society Reviews, 2021, 50, 702-734.	39.2	187
34	Programmed Release of Dihydroartemisinin for Synergistic Cancer Therapy Using a CaCO₃ Mineralized Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2019, 58, 14134-14139.	14.2	183
35	Highâ€Performance Electrochemical NO Reduction into NH₃ by MoS₂ Nanosheet. Angewandte Chemie - International Edition, 2021, 60, 25263-25268.	14.2	180
36	Nanoscale optical probes for cellular imaging. Chemical Society Reviews, 2014, 43, 2650.	39.2	179

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37	Study on the Supramolecular Interaction of Curcumin and Î²-cyclodextrin by Spectrophotometry and Its Analytical Application. Journal of Agricultural and Food Chemistry, 2002, 50, 1355-1361.	5.3	177
38	Defect-rich MoS2 nanowall catalyst for efficient hydrogen evolution reaction. Nano Research, 2017, 10, 1178-1188.	10.5	177
39	A near-infrared fluorescent probe for detecting copper(ii) with high selectivity and sensitivity and its biological imaging applications. Chemical Communications, 2011, 47, 7755.	4.2	176
40	Two-photon fluorescent probe for revealing drug-induced hepatotoxicity via mapping fluctuation of peroxynitrite. Chemical Science, 2017, 8, 4006-4011.	7.6	171
41	Ambient Ammonia Synthesis via Electrochemical Reduction of Nitrate Enabled by NiCo₂O₄ Nanowire Array. Small, 2022, 18, e2106961.	10.2	171
42	Boron Phosphide Nanoparticles: A Nonmetal Catalyst for Highâ€Selectivity Electrochemical Reduction of CO₂ to CH₃OH. Advanced Materials, 2019, 31, e1903499.	21.5	169
43	High-Performance Liquid Chromatographic Enantioseparation of Racemic Drugs Based on Homochiral Metalâ€“Organic Framework. Analytical Chemistry, 2014, 86, 1277-1281.	6.6	168
44	Concurrent improvement in J_{SC} and V_{OC} in high-efficiency ternary organic solar cells enabled by a red-absorbing small-molecule acceptor with a high LUMO level. Energy and Environmental Science, 2020, 13, 2115-2123.	31.2	164
45	Simultaneous fluorescence imaging of hydrogen peroxide in mitochondria and endoplasmic reticulum during apoptosis. Chemical Science, 2016, 7, 6153-6159.	7.6	161
46	Label-Free and Ultrasensitive Electrochemical Detection of Nucleic Acids Based on Autocatalytic and Exonuclease III-Assisted Target Recycling Strategy. Analytical Chemistry, 2013, 85, 2282-2288.	6.6	160
47	A Glutathione (GSH)-Responsive Near-Infrared (NIR) Theranostic Prodrug for Cancer Therapy and Imaging. Analytical Chemistry, 2016, 88, 6450-6456.	6.6	159
48	Boosting Cancer Therapy with Organelle-Targeted Nanomaterials. ACS Applied Materials & Interfaces, 2019, 11, 26529-26558.	8.2	159
49	Copper-incorporated hierarchical wire-on-sheet Î±-Ni(OH)₂ nanoarrays as robust trifunctional catalysts for synergistic hydrogen generation and urea oxidation. Journal of Materials Chemistry A, 2019, 7, 13577-13584.	10.4	159
50	A New Polymer Nanoprobe Based on Chemiluminescence Resonance Energy Transfer for Ultrasensitive Imaging of Intrinsic Superoxide Anion in Mice. Journal of the American Chemical Society, 2016, 138, 2893-2896.	14.2	156
51	Highly efficient photocatalytic degradation of methylene blue by P2ABSA-modified TiO₂ nanocomposite due to the photosensitization synergetic effect of TiO₂ and P2ABSA. RSC Advances, 2017, 7, 23699-23708.	3.7	156
52	Exonuclease III-Aided Autocatalytic DNA Biosensing Platform for Immobilization-Free and Ultrasensitive Electrochemical Detection of Nucleic Acid and Protein. Analytical Chemistry, 2014, 86, 4008-4015.	6.6	155
53	A nuclear targeted dual-photosensitizer for drug-resistant cancer therapy with NIR activated multiple ROS. Chemical Science, 2016, 7, 4237-4244.	7.6	155
54	Heterogeneous Nano Metalâ€“Organic Framework Fluorescence Probe for Highly Selective and Sensitive Detection of Hydrogen Sulfide in Living Cells. Analytical Chemistry, 2014, 86, 11459-11463.	6.6	154

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55	Recent progresses in fluorescent probes for detection of polarity. Coordination Chemistry Reviews, 2021, 427, 213582.	19.3	145
56	Ultrasmall Magnetically Engineered Ag₂Se Quantum Dots for Instant Efficient Labeling and Whole-Body High-Resolution Multimodal Real-Time Tracking of Cell-Derived Microvesicles. Journal of the American Chemical Society, 2016, 138, 1893-1903.	14.2	143
57	Antitumor Agents Based on Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2021, 60, 16763-16776.	14.2	143
58	Rational Design of an Î±-Ketoamide-Based Near-Infrared Fluorescent Probe Specific for Hydrogen Peroxide in Living Systems. Analytical Chemistry, 2016, 88, 8019-8025.	6.6	139
59	Cyclometalated Iridium Complex-Based Label-Free Photoelectrochemical Biosensor for DNA Detection by Hybridization Chain Reaction Amplification. Analytical Chemistry, 2015, 87, 4283-4291.	6.6	138
60	Simultaneous Imaging of Zn²⁺ and Cu²⁺ in Living Cells Based on DNAzyme Modified Gold Nanoparticle. Analytical Chemistry, 2015, 87, 4829-4835.	6.6	138
61	An ultrasensitive near-infrared ratiometric fluorescent probe for imaging mitochondrial polarity in live cells and in vivo. Chemical Science, 2016, 7, 1588-1593.	7.6	133
62	Reversible two-photon fluorescent probe for imaging of hypochlorous acid in live cells and in vivo. Chemical Communications, 2015, 51, 10150-10153.	4.2	131
63	Fluorescence and SERS Imaging for the Simultaneous Absolute Quantification of Multiple miRNAs in Living Cells. Analytical Chemistry, 2017, 89, 5124-5130.	6.6	131
64	Nickelâ€Catalyzed Nâ€Alkylation of Acylhydrazines and Arylamines Using Alcohols and Enantioselective Examples. Angewandte Chemie - International Edition, 2017, 56, 14702-14706.	14.2	121
65	Amorphous Boron Carbide on Titanium Dioxide Nanobelt Arrays for Highâ€Efficiency Electrocatalytic NO Reduction to NH₃. Angewandte Chemie - International Edition, 2022, 61, .	14.2	121
66	Catalase-like metalâ€“organic framework nanoparticles to enhance radiotherapy in hypoxic cancer and prevent cancer recurrence. Chemical Science, 2019, 10, 5773-5778.	7.6	116
67	Versatile Fluorescent Probes for Imaging the Superoxide Anion in Living Cells and Inâ€…Vivo. Angewandte Chemie - International Edition, 2020, 59, 4216-4230.	14.2	115
68	Ironâ€Incorporated Î±â€Ni(OH)₂ Hierarchical Nanosheet Arrays for Electrocatalytic Urea Oxidation. Chemistry - A European Journal, 2018, 24, 18408-18412.	3.4	114
69	Screening and investigation of a cyanine fluorescent probe for simultaneous sensing of glutathione and cysteine under single excitation. Chemical Communications, 2014, 50, 15439-15442.	4.2	113
70	Mitochondria-Targeted Reaction-Based Two-Photon Fluorescent Probe for Imaging of Superoxide Anion in Live Cells and in Vivo. Analytical Chemistry, 2013, 85, 9877-9881.	6.6	112
71	NIR light induced H₂evolution by a metal-free photocatalyst. Chemical Communications, 2015, 51, 10899-10902.	4.2	112
72	Fluorescent Probe Based on Azobenzene-Cyclopalladium for the Selective Imaging of Endogenous Carbon Monoxide under Hypoxia Conditions. Analytical Chemistry, 2016, 88, 11154-11159.	6.6	112

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73	Highly sensitive and selective near-infrared fluorescent probe for zinc and its application to macrophage cells. Chemical Communications, 2006, , 3609.	4.2	111
74	Ni(OH)2 nanoparticles encapsulated in conductive nanowire array for high-performance alkaline seawater oxidation. Nano Research, 2022, 15, 6084-6090.	10.5	111
75	A near-infrared reversible fluorescent probe for peroxynitrite and imaging of redox cycles in living cells. Chemical Communications, 2011, 47, 9468.	4.2	109
76	IR-Driven Photocatalytic Water Splitting with WO₂â€“Na_xWO₃ Hybrid Conductor Material. Nano Letters, 2015, 15, 7199-7203.	9.3	109
77	Excision Repair-Initiated Enzyme-Assisted Bicyclic Cascade Signal Amplification for Ultrasensitive Detection of Uracil-DNA Glycosylase. Analytical Chemistry, 2017, 89, 4488-4494.	6.6	109
78	High-Efficiency Ternary Organic Solar Cells with a Good Figure-of-Merit Enabled by Two Low-Cost Donor Polymers. ACS Energy Letters, 2022, 7, 2547-2556.	17.7	109
79	Ratiometric Fluorescence Nanoprobes for Subcellular pH Imaging with a Single-Wavelength Excitation in Living Cells. Analytical Chemistry, 2016, 88, 6743-6748.	6.6	108
80	In situ grown Fe3O4 particle on stainless steel: A highly efficient electrocatalyst for nitrate reduction to ammonia. Nano Research, 2022, 15, 3050-3055.	10.5	108
81	A fast-response, highly sensitive and specific organoselenium fluorescent probe for thiols and its application in bioimaging. Chemical Communications, 2009, , 5293.	4.2	107
82	A near-infrared-emitting fluorescent probe for monitoring mitochondrial pH. Chemical Communications, 2014, 50, 7184.	4.2	106
83	A multi-signal mitochondria-targeted fluorescent probe for real-time visualization of cysteine metabolism in living cells and animals. Chemical Communications, 2018, 54, 11387-11390.	4.2	106
84	Effect of gold nanoparticles on glutathione depletion-induced hydrogen peroxide generation and apoptosis in HL7702 cells. Toxicology Letters, 2011, 205, 86-95.	0.9	105
85	A sensitive graphene oxideâ€“DNA based sensing platform for fluorescence â€œturn-onâ€•detection of bleomycin. Chemical Communications, 2012, 48, 127-129.	4.2	105
86	Mitochondrial Peroxynitrite Mediation of Anthracycline-Induced Cardiotoxicity as Visualized by a Two-Photon Near-Infrared Fluorescent Probe. Analytical Chemistry, 2018, 90, 11629-11635.	6.6	105
87	A New Ratiometric Fluorescent Probe for Detection of Fe²⁺ with High Sensitivity and Its Intracellular Imaging Applications. Chemistry - A European Journal, 2011, 17, 10520-10523.	3.4	104
88	Rapid-Response Fluorescent Probe for Hydrogen Peroxide in Living Cells Based on Increased Polarity of Câ€“B Bonds. Analytical Chemistry, 2015, 87, 9825-9828.	6.6	103
89	Ratiometric photoacoustic imaging of endoplasmic reticulum polarity in injured liver tissues of diabetic mice. Chemical Science, 2017, 8, 7025-7030.	7.6	103
90	MnO₂â€Modified Persistent Luminescence Nanoparticles for Detection and Imaging of Glutathione in Living Cells and In Vivo. Chemistry - A European Journal, 2014, 20, 16488-16491.	3.4	101

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91	1D Niâ€“Co oxide and sulfide nanoarray/carbon aerogel hybrid nanostructures for asymmetric supercapacitors with high energy density and excellent cycling stability. Nanoscale, 2016, 8, 16292-16301.	5.7	101
92	Avoiding Thiol Compound Interference: A Nanoplatform Based on Highâ€Fidelity Auâ€“Se Bonds for Biological Applications. Angewandte Chemie - International Edition, 2018, 57, 5306-5309.	14.2	100
93	Constructing Hierarchical Wire-on-Sheet Nanoarrays in Phase-Regulated Cerium-Doped Nickel Hydroxide for Promoted Urea Electro-oxidation. , 2019, 1, 103-110.		100
94	Fluorescent probe for the imaging of superoxide and peroxynitrite during drug-induced liver injury. Chemical Science, 2021, 12, 3921-3928.	7.6	99
95	Real-Time Imaging of Mitochondrial Hydrogen Peroxide and pH Fluctuations in Living Cells Using a Fluorescent Nanosensor. Analytical Chemistry, 2015, 87, 3678-3684.	6.6	98
96	Evaluating Drug-Induced Liver Injury and Its Remission via Discrimination and Imaging of HClO and H₂S with a Two-Photon Fluorescent Probe. Analytical Chemistry, 2018, 90, 7510-7516.	6.6	98
97	The Critical Role of Dopant Cations in Electrical Conductivity and Thermoelectric Performance of n-Doped Polymers. Journal of the American Chemical Society, 2020, 142, 15340-15348.	14.2	98
98	A dual near-infrared pH fluorescent probe and its application in imaging of HepG2 cells. Chemical Communications, 2007, , 3726.	4.2	96
99	Dual-Targeted Nanocarrier Based on Cell Surface Receptor and Intracellular mRNA: An Effective Strategy for Cancer Cell Imaging and Therapy. Analytical Chemistry, 2013, 85, 6930-6935.	6.6	94
100	Sub-3â€¯nm pores in two-dimensional nanomesh promoting the generation of electroactive phase for robust water oxidation. Nano Energy, 2018, 53, 74-82.	16.3	94
101	Flexible Organic Solar Cells: Progress and Challenges. Small Science, 2021, 1, 2100001.	9.9	94
102	Design of a Phosphinate-Based Fluorescent Probe for Superoxide Detection in Mouse Peritoneal Macrophages. Chemistry - A European Journal, 2007, 13, 1411-1416.	3.4	93
103	One-Step Fabrication of Functional Carbon Dots with 90% Fluorescence Quantum Yield for Long-Term Lysosome Imaging. Analytical Chemistry, 2020, 92, 6430-6436.	6.6	93
104	Highly Sensitive and Homogeneous Detection of Membrane Protein on a Single Living Cell by Aptamer and Nicking Enzyme Assisted Signal Amplification Based on Microfluidic Droplets. Analytical Chemistry, 2014, 86, 5101-5107.	6.6	92
105	Fluorescence Imaging of Intracellular Telomerase Activity Using Enzyme-Free Signal Amplification. Analytical Chemistry, 2016, 88, 12177-12182.	6.6	92
106	Tumor microenvironment-triggered fabrication of gold nanomachines for tumor-specific photoacoustic imaging and photothermal therapy. Chemical Science, 2017, 8, 4896-4903.	7.6	92
107	Small Molecular Fluorescent Probes for Imaging of Viscosity in Living Biosystems. Chemistry - A European Journal, 2021, 27, 6880-6898.	3.4	92
108	A Nearâ€Infrared Lightâ€Triggered Nanocarrier with Reversible DNA Valves for Intracellular Controlled Release. Advanced Functional Materials, 2013, 23, 2255-2262.	15.1	91

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109	An Ultrasensitive Cyclizationâ€Based Fluorescent Probe for Imaging Native HOBr in Live Cells and Zebrafish. Angewandte Chemie - International Edition, 2016, 55, 12751-12754.	14.2	90
110	N-doped carbon nanotubes supported CoSe2 nanoparticles: A highly efficient and stable catalyst for H2O2 electrosynthesis in acidic media. Nano Research, 2022, 15, 304-309.	10.5	90
111	Graphene Fluorescence Switch-Based Cooperative Amplification: A Sensitive and Accurate Method to Detection MicroRNA. Analytical Chemistry, 2014, 86, 5487-5493.	6.6	89
112	Dual-Channel Fluorescent Probe for the Simultaneous Monitoring of Peroxynitrite and Adenosine-5â€²-triphosphate in Cellular Applications. Journal of the American Chemical Society, 2022, 144, 174-183.	14.2	89
113	Multifunctional Coreâ^'Shell Nanoparticles as Highly Efficient Imaging and Photosensitizing Agents. Langmuir, 2009, 25, 10153-10158.	3.6	88
114	A new endoplasmic reticulum-targeted two-photon fluorescent probe for imaging of superoxide anion in diabetic mice. Biosensors and Bioelectronics, 2017, 91, 449-455.	10.3	88
115	Nucleic Acids Analysis. Science China Chemistry, 2021, 64, 171-203.	8.4	88
116	Highly luminescent water-soluble CdTe nanowires as fluorescent probe to detect copper(ii). Chemical Communications, 2005, , 4184.	4.2	87
117	Multiple exciton generation application of PbS quantum dots in ZnO@PbS/graphene oxide for enhanced photocatalytic activity. Applied Catalysis B: Environmental, 2015, 163, 123-128.	20.5	87
118	A COF-based nanoplatform for highly efficient cancer diagnosis, photodynamic therapy and prognosis. Chemical Science, 2020, 11, 6882-6888.	7.6	87
119	A surfactant-free route to single-crystalline CeO2 nanowires. Chemical Communications, 2005, , 3565.	4.2	86
120	A General Strategy To Fabricate Ni_xP as Highly Efficient Cocatalyst via Photoreduction Deposition for Hydrogen Evolution. ACS Sustainable Chemistry and Engineering, 2017, 5, 6845-6853.	6.8	86
121	Two-photon imaging of formaldehyde in live cells and animals utilizing a lysosome-targetable and acidic pH-activatable fluorescent probe. Chemical Communications, 2017, 53, 6520-6523.	4.2	86
122	Enhanced photocatalytic activity of PANI/TiO2 due to their photosensitization-synergetic effect. Electrochimica Acta, 2017, 247, 486-495.	5.3	85
123	Allâ€polymer solar cells with over 16% efficiency and enhanced stability enabled by compatible solvent and polymer additives. Aggregate, 2022, 3, e58.	10.1	85
124	Linker-Eliminated Nano Metalâ€“Organic Framework Fluorescent Probe for Highly Selective and Sensitive Phosphate Ratiometric Detection in Water and Body Fluids. Analytical Chemistry, 2020, 92, 3722-3727.	6.6	84
125	Advances in functional fluorescent and luminescent probes for imaging intracellular small-molecule reactive species. TrAC - Trends in Analytical Chemistry, 2012, 39, 3-37.	11.7	83
126	Alkylthiol surface engineering: an effective strategy toward enhanced electrocatalytic N₂-to-NH₃ fixation by a CoP nanoarray. Journal of Materials Chemistry A, 2021, 9, 13861-13866.	10.4	83

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127	A New Highly Selective and Sensitive Assay for Fluorescence Imaging of [.]OH in Living Cells: Effectively Avoiding the Interference of Peroxynitrite. Chemistry - A European Journal, 2010, 16, 1834-1840.	3.4	82
128	Fluorometric probing of the lipase level as acute pancreatitis biomarkers based on interfacially controlled aggregation-induced emission (AIE). Chemical Science, 2017, 8, 6188-6195.	7.6	82
129	GSH-Responsive Nanoprodrug to Inhibit Glycolysis and Alleviate Immunosuppression for Cancer Therapy. Nano Letters, 2021, 21, 7862-7869.	9.3	81
130	Simultaneous Fluorescence and Chemiluminescence Turned on by Aggregation-Induced Emission for Real-Time Monitoring of Endogenous Superoxide Anion in Live Cells. Analytical Chemistry, 2017, 89, 7210-7215.	6.6	80
131	A Twoâ€Photon H₂O₂â€Activated CO Photoreleaser. Angewandte Chemie - International Edition, 2018, 57, 12415-12419.	14.2	80
132	Sulfurization-induced edge amorphization in copperâ€“nickelâ€“cobalt layered double hydroxide nanosheets promoting hydrazine electro-oxidation. Journal of Materials Chemistry A, 2019, 7, 24437-24444.	10.4	80
133	Sensitive Quantification of MicroRNAs by Isothermal Helicase-Dependent Amplification. Analytical Chemistry, 2017, 89, 6182-6187.	6.6	79
134	Ratiometric fluorescence imaging of Golgi H₂O₂ reveals a correlation between Golgi oxidative stress and hypertension. Chemical Science, 2019, 10, 10876-10880.	7.6	78
135	Conductive Two-Dimensional Magnesium Metalâ€“Organic Frameworks for High-Efficiency O₂ Electroreduction to H₂O₂. ACS Catalysis, 2022, 12, 6092-6099.	11.4	78
136	Photothermal therapy-induced immunogenic cell death based on natural melanin nanoparticles against breast cancer. Chemical Communications, 2020, 56, 1389-1392.	4.2	76
137	Determination of the antioxidant capacity of different food natural products with a new developed flow injection spectrofluorimetry detecting hydroxyl radicals. Talanta, 2005, 65, 769-775.	5.6	75
138	A mitochondria-targeted nanoradiosensitizer activating reactive oxygen species burst for enhanced radiation therapy. Chemical Science, 2018, 9, 3159-3164.	7.6	75
139	Nanoenzymes in disease diagnosis and therapy. Chemical Communications, 2020, 56, 15513-15524.	4.2	75
140	Single-Molecule Detection of Polynucleotide Kinase Based on Phosphorylation-Directed Recovery of Fluorescence Quenched by Au Nanoparticles. Analytical Chemistry, 2017, 89, 7255-7261.	6.6	74
141	Enhancing electrocatalytic N2-to-NH3 fixation by suppressing hydrogen evolution with alkylthiols modified Fe3P nanoarrays. Nano Research, 2022, 15, 1039-1046.	10.5	74
142	Use of Selenium to Detect Mercury in Water and Cells: An Enhancement of the Sensitivity and Specificity of a Seleno Fluorescent Probe. Chemistry - A European Journal, 2009, 15, 3147-3151.	3.4	73
143	Study of Highly Selective and Efficient Thiol Derivatization Using Selenium Reagents by Mass Spectrometry. Analytical Chemistry, 2010, 82, 6926-6932.	6.6	73
144	Rationally Optimized Fluorescent Probe for Imaging Mitochondrial SO₂ in HeLa Cells and Zebrafish. Analytical Chemistry, 2018, 90, 12442-12448.	6.6	73

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145	Illuminating the Function of the Hydroxyl Radical in the Brains of Mice with Depression Phenotypes by Twoâ€Photon Fluorescence Imaging. Angewandte Chemie - International Edition, 2019, 58, 4674-4678.	14.2	73
146	Duplex-Specific Nuclease-Assisted CRISPR-Cas12a Strategy for MicroRNA Detection Using a Personal Glucose Meter. Analytical Chemistry, 2021, 93, 10719-10726.	6.6	72
147	High-efficiency ammonia electrosynthesis via selective reduction of nitrate on ZnCo2O4 nanosheet array. Materials Today Physics, 2022, 23, 100619.	6.2	72
148	A Highly Sensitive Strategy for Fluorescence Imaging of MicroRNA in Living Cells and in Vivo Based on Graphene Oxide-Enhanced Signal Molecules Quenching of Molecular Beacon. ACS Applied Materials & Interfaces, 2018, 10, 6982-6990.	8.2	71
149	High-efficiency ammonia electrosynthesis on self-supported Co2AlO4 nanoarray in neutral media by selective reduction of nitrate. Chemical Engineering Journal, 2022, 435, 135104.	12.8	71
150	Hydrothermal Synthesis of Ultralong and Single-Crystalline Cd(OH)2 Nanowires Using Alkali Salts as Mineralizers. Inorganic Chemistry, 2005, 44, 2568-2569.	4.2	70
151	Enhanced Photodynamic Therapy by Reduced Levels of Intracellular Glutathione Obtained By Employing a Nanoâ€MOF with Cu^{II} as the Active Center. Angewandte Chemie, 2018, 130, 4985-4990.	2.0	70
152	Highly Specific Cys Fluorescence Probe for Living Mouse Brain Imaging via Evading Reaction with Other Biothiols. Analytical Chemistry, 2019, 91, 8591-8594.	6.6	70
153	Selective detection of superoxide anion radicals generated from macrophages by using a novel fluorescent probe. FEBS Journal, 2007, 274, 1725-1733.	4.8	69
154	A Highly Selective, Cellâ€Permeable Fluorescent Nanoprobe for Ratiometric Detection and Imaging of Peroxynitrite in Living Cells. Chemistry - A European Journal, 2011, 17, 6626-6634.	3.4	69
155	Boosting the photodynamic therapy efficiency with a mitochondria-targeted nanophotosensitizer. Chinese Chemical Letters, 2019, 30, 1293-1296.	9.0	69
156	A cancer cell membrane-encapsulated MnO₂ nanoreactor for combined photodynamic-starvation therapy. Chemical Communications, 2019, 55, 5115-5118.	4.2	69
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