

# Jianjun Du

## List of Publications by Year in descending order

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110  
papers

8,247  
citations

50276

46  
h-index

46799

89  
g-index

111  
all docs

111  
docs citations

111  
times ranked

7984  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent Probes for Sensing and Imaging within Specific Cellular Organelles. <i>Accounts of Chemical Research</i> , 2016, 49, 2115-2126.	15.6	741
2	Fluorescent chemodosimeters using $\text{Ca}^{2+}$ -chemical events for the detection of small anions and cations in biological and environmental media. <i>Chemical Society Reviews</i> , 2012, 41, 4511.	38.1	652
3	A Selective Fluorescent Sensor for Imaging $\text{Cd}^{2+}$ in Living Cells. <i>Journal of the American Chemical Society</i> , 2007, 129, 1500-1501.	13.7	596
4	Near-Infrared Light-Initiated Molecular Superoxide Radical Generator: Rejuvenating Photodynamic Therapy against Hypoxic Tumors. <i>Journal of the American Chemical Society</i> , 2018, 140, 14851-14859.	13.7	442
5	Carbon Dots for In Vivo Bioimaging and Theranostics. <i>Small</i> , 2019, 15, e1805087.	10.0	337
6	Chemiluminescence for bioimaging and therapeutics: recent advances and challenges. <i>Chemical Society Reviews</i> , 2020, 49, 6800-6815.	38.1	272
7	Colorimetric Detection of Mercury Ions Based on Plasmonic Nanoparticles. <i>Small</i> , 2013, 9, 1467-1481.	10.0	255
8	Superoxide Radical Photogenerator with Amplification Effect: Surmounting the Achilles' Heels of Photodynamic Oncotherapy. <i>Journal of the American Chemical Society</i> , 2019, 141, 2695-2702.	13.7	238
9	Aminopeptidase N Activatable Fluorescent Probe for Tracking Metastatic Cancer and Image-Guided Surgery via <i>in Situ</i> Spraying. <i>Journal of the American Chemical Society</i> , 2020, 142, 6381-6389.	13.7	187
10	De Novo Design of Phototheranostic Sensitizers Based on Structure-Inherent Targeting for Enhanced Cancer Ablation. <i>Journal of the American Chemical Society</i> , 2018, 140, 15820-15826.	13.7	167
11	Oxygen-Dependent Regulation of Excited-State Deactivation Process of Rational Photosensitizer for Smart Phototherapy. <i>Journal of the American Chemical Society</i> , 2020, 142, 1510-1517.	13.7	167
12	Small-molecule fluorescent probes for imaging gaseous signaling molecules: current progress and future implications. <i>Chemical Science</i> , 2020, 11, 5127-5141.	7.4	161
13	Catalase-based liposomal for reversing immunosuppressive tumor microenvironment and enhanced cancer chemo-photodynamic therapy. <i>Biomaterials</i> , 2020, 233, 119755.	11.4	139
14	Boron Dipyrromethene Nano-Photosensitizers for Anticancer Phototherapies. <i>Small</i> , 2019, 15, e1804927.	10.0	135
15	A colorimetric logic gate based on free gold nanoparticles and the coordination strategy between melamine and mercury ions. <i>Chemical Communications</i> , 2013, 49, 4196-4198.	4.1	121
16	Enhanced photodynamic therapy for overcoming tumor hypoxia: From microenvironment regulation to photosensitizer innovation. <i>Coordination Chemistry Reviews</i> , 2021, 427, 213604.	18.8	104
17	Urine for Plasmonic Nanoparticle-Based Colorimetric Detection of Mercury Ion. <i>Small</i> , 2013, 9, 4104-4111.	10.0	102
18	Biodegradable Drug-Loaded Hydroxyapatite Nanotherapeutic Agent for Targeted Drug Release in Tumors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 7832-7840.	8.0	99

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19	An APN-activated NIR photosensitizer for cancer photodynamic therapy and fluorescence imaging. <i>Biomaterials</i> , 2020, 253, 120089.	11.4	99
20	<i>In situ</i> imaging of aminopeptidase N activity in hepatocellular carcinoma: a migration model for tumour using an activatable two-photon NIR fluorescent probe. <i>Chemical Science</i> , 2019, 10, 1619-1625.	7.4	97
21	A lysosome-targeted BODIPY as potential NIR photosensitizer for photodynamic therapy. <i>Dyes and Pigments</i> , 2017, 147, 99-105.	3.7	95
22	A two-photon NIR-to-NIR fluorescent probe for imaging hydrogen peroxide in living cells. <i>Biosensors and Bioelectronics</i> , 2017, 94, 536-543.	10.1	94
23	A Fluorescent Probe for Ratiometric Imaging of SO <sub>2</sub> Derivatives in Mitochondria of Living Cells. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 1477-1483.	3.7	90
24	Imaging $\hat{I}^3$ -Glutamyltranspeptidase for tumor identification and resection guidance via enzyme-triggered fluorescent probe. <i>Biomaterials</i> , 2018, 179, 1-14.	11.4	88
25	A ratiometric fluorescence probe for lysosomal polarity. <i>Biomaterials</i> , 2018, 164, 98-105.	11.4	87
26	Flexible Colorimetric Detection of Mercuric Ion by Simply Mixing Nanoparticles and Oligopeptides. <i>Small</i> , 2011, 7, 1407-1411.	10.0	82
27	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
28	The concept and examples of type-III photosensitizers for cancer photodynamic therapy. <i>CheM</i> , 2022, 8, 197-209.	11.7	78
29	An estrogen receptor targeted ruthenium complex as a two-photon photodynamic therapy agent for breast cancer cells. <i>Chemical Communications</i> , 2018, 54, 7038-7041.	4.1	74
30	ER-Targeting Cyanine Dye as an NIR Photoinducer to Efficiently Trigger Photoimmunogenic Cancer Cell Death. <i>Journal of the American Chemical Society</i> , 2022, 144, 3477-3486.	13.7	73
31	Optical Reading of Contaminants in Aqueous Media Based on Gold Nanoparticles. <i>Small</i> , 2014, 10, 3461-3479.	10.0	72
32	Visualization of methylglyoxal in living cells and diabetic mice model with a 1,8-naphthalimide-based two-photon fluorescent probe. <i>Chemical Science</i> , 2018, 9, 6758-6764.	7.4	72
33	Cancer immunogenic cell death via photo-pyroptosis with light-sensitive Indoleamine 2,3-dioxygenase inhibitor conjugate. <i>Biomaterials</i> , 2021, 278, 121167.	11.4	69
34	Mitochondria-Anchored Colorimetric and Ratiometric Fluorescent Chemosensor for Visualizing Cysteine/Homocysteine in Living Cells and <i>Daphnia magna</i> Model. <i>Analytical Chemistry</i> , 2019, 91, 12531-12537.	6.5	66
35	Aminopeptidase-activated Theranostic Prodrug for NIR Tracking of Local Tumor Chemotherapy. <i>Advanced Functional Materials</i> , 2018, 28, 1805128.	14.9	65
36	Mitochondria-Accessing Ratiometric Fluorescent Probe for Imaging Endogenous Superoxide Anion in Live Cells and <i>Daphnia magna</i> . <i>ACS Sensors</i> , 2018, 3, 735-741.	7.8	64

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37	A Single Molecule Drug Targeting Photosensitizer for Enhanced Breast Cancer Photothermal Therapy. <i>Small</i> , 2020, 16, e1907677.	10.0	62
38	An NIR fluorescent probe of uric HSA for renal diseases warning. <i>Dyes and Pigments</i> , 2016, 133, 79-85.	3.7	61
39	Microenvironment-Sensitive Fluorescent Dyes for Recognition of Serum Albumin in Urine and Imaging in Living Cells. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 527-533.	3.7	61
40	Fluorescence completely separated ratiometric probe for HClO in lysosomes. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 293-299.	7.8	60
41	Precise photodynamic therapy: Penetrating the nuclear envelope with photosensitive carbon dots. <i>Carbon</i> , 2020, 159, 74-82.	10.3	57
42	Colorimetric Detection of Creatinine Based on Plasmonic Nanoparticles via Synergistic Coordination Chemistry. <i>Small</i> , 2015, 11, 4104-4110.	10.0	54
43	Celecoxib Conjugated Fluorescent Probe for Identification and Discrimination of Cyclooxygenase-2 Enzyme in Cancer Cells. <i>Analytical Chemistry</i> , 2018, 90, 5187-5193.	6.5	54
44	Colorimetric Chemodosimeter Based on Diazonium-Gold Nanoparticle Complexes for Sulfite Ion Detection in Solution. <i>Small</i> , 2012, 8, 3412-3416.	10.0	53
45	Differentiating RNA from DNA by a molecular fluorescent probe based on the door-bolt mechanism biomaterials. <i>Biomaterials</i> , 2018, 177, 78-87.	11.4	52
46	Oligo Hyaluronan-Coated Silica/Hydroxyapatite Degradable Nanoparticles for Targeted Cancer Treatment. <i>Advanced Science</i> , 2019, 6, 1900716.	11.2	51
47	Single-Molecule Förster Resonance Energy Transfer-Based Photosensitizer for Synergistic Photodynamic/Photothermal Therapy. <i>ACS Central Science</i> , 2021, 7, 327-334.	11.3	49
48	Development of a red-light emission hypoxia-sensitive two-photon fluorescent probe for <i>in vivo</i> nitroreductase imaging. <i>Journal of Materials Chemistry B</i> , 2019, 7, 408-414.	5.8	47
49	Gold Nanoparticle-Based Colorimetric Recognition of Creatinine with Good Selectivity and Sensitivity. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 12334-12340.	3.7	45
50	Recognition of Exogenous and Endogenous Nitroxyl in Living Cells via a Two-Photon Fluorescent Probe. <i>Analytical Chemistry</i> , 2018, 90, 4641-4648.	6.5	45
51	Red-Light-Responsive Ru Complex Photosensitizer for Lysosome Localization Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 19572-19580.	8.0	44
52	NIR photosensitizers activated by $\beta$ -glutamyl transpeptidase for precise tumor fluorescence imaging and photodynamic therapy. <i>Science China Chemistry</i> , 2021, 64, 808-816.	8.2	43
53	Stimuli-Responsive Polysaccharide Enveloped Liposome for Targeting and Penetrating Delivery of survivin-shRNA into Breast Tumor. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 22074-22087.	8.0	42
54	Gold nanoparticle-based colorimetric detection of mercury ion via coordination chemistry. <i>Sensors and Actuators B: Chemical</i> , 2015, 212, 481-486.	7.8	41

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55	A nitroxyl-responsive near-infrared fluorescent chemosensor for visualizing H <sub>2</sub> S/NO crosstalk in biological systems. <i>Chemical Communications</i> , 2019, 55, 8583-8586.	4.1	37
56	Lighting-up breast cancer cells by a near-infrared fluorescent probe based on KIAA1363 enzyme-targeting. <i>Chemical Communications</i> , 2017, 53, 4857-4860.	4.1	36
57	Two-channel responsive luminescent chemosensors for dioxygen species: Molecular oxygen, singlet oxygen and superoxide anion. <i>Coordination Chemistry Reviews</i> , 2021, 427, 213575.	18.8	36
58	A singlet oxygen self-reporting photosensitizer for cancer phototherapy. <i>Chemical Science</i> , 2021, 12, 2515-2520.	7.4	36
59	Simultaneous visualization of cysteine/homocysteine and glutathione in living cells and <i>Daphnia magna</i> via dual-signaling fluorescent chemosensor. <i>Dyes and Pigments</i> , 2019, 168, 189-196.	3.7	33
60	Gold nanoparticle-based nano-probe for the colorimetric sensing of Cr <sup>3+</sup> and Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> by the coordination strategy. <i>Nanoscale</i> , 2017, 9, 19139-19144.	5.6	30
61	Encapsulated Dye/Polymer Nanoparticles Prepared via Miniemulsion Polymerization for Inkjet Printing. <i>ACS Omega</i> , 2018, 3, 7380-7387.	3.5	30
62	A BODIPY-based Fluorescent Probe for Thiophenol. <i>Chinese Journal of Chemistry</i> , 2018, 36, 119-123.	4.9	29
63	Anticancer drug delivery systems based on inorganic nanocarriers with fluorescent tracers. <i>AIChE Journal</i> , 2018, 64, 835-859.	3.6	28
64	Highly Selective Red-Emitting Fluorescent Probe for Imaging Cancer Cells in Situ by Targeting Pim-1 Kinase. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 1499-1507.	8.0	28
65	Highly Inoxidizable Heptamethine Cyanine-based Glucose Oxidase Conjugate Nanoagent for Combination of Enhanced Photothermal Therapy and Tumor Starvation. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	28
66	A novel fluorescent probe for the ratiometric recognition of protein based on intramolecular charge transfer. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 204-210.	7.8	27
67	Functional two-photon cationic targeted photosensitizers for deep-seated tumor imaging and therapy. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127310.	7.8	27
68	A Glutathione Activatable Photosensitizer for Combined Photodynamic and Gas Therapy under Red Light Irradiation. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102017.	7.6	27
69	A Sequential Dual-Model Strategy Based on Photoactivatable Metallopolymer for On-Demand Release of Photosensitizers and Anticancer Drugs. <i>Advanced Science</i> , 2021, 8, e2103334.	11.2	24
70	In Situ Colorimetric Recognition of Melamine Based on Thymine Derivative-Functionalized Gold Nanoparticle. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 12011-12016.	3.7	22
71	Reversing Multidrug Resistance by Inducing Mitochondrial Dysfunction for Enhanced Chemo-Photodynamic Therapy in Tumor. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 45259-45268.	8.0	22
72	Probing Thiophenol Pollutant in Solutions and Cells with BODIPY-Based Fluorescent Probe. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 9303-9309.	3.7	21

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73	Lighting-Up Tumor for Assisting Resection via Spraying NIR Fluorescent Probe of $\text{I}^3\text{-Glutamyltranspeptidas}$ . <i>Frontiers in Chemistry</i> , 2018, 6, 485.	3.6	21
74	A Novel Nanobody-Photosensitizer Conjugate for Hypoxia Resistant Photoimmunotherapy. <i>Advanced Functional Materials</i> , 2021, 31, 2103629.	14.9	21
75	Near-Infrared Light Triggered $\text{H}_2\text{O}_2$ Generation for Enhanced Photothermal/Photodynamic Therapy against Hypoxic Tumor. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101449.	7.6	21
76	Quantitative recognition and ratiometric cell imaging of $\text{HSO}_3^-$ inspired of confined-space based FRET system within human serum albumin. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 104-110.	7.8	20
77	Fabrication of artificial fluorescent protein probe for HSA recognition and relay sensing Ag <sup>+</sup> by functional microenvironment-sensitive fluorescent dye. <i>Sensors and Actuators B: Chemical</i> , 2018, 263, 661-667.	7.8	20
78	Lysozyme-targeted ratiometric fluorescent probe for $\text{SO}_2$ in living cells. <i>Dyes and Pigments</i> , 2020, 180, 108440.	3.7	20
79	Thiol-activated fluorescent probe for sensitive detection and imaging of proteins. <i>Sensors and Actuators B: Chemical</i> , 2019, 287, 118-123.	7.8	19
80	A photosensitizer-inhibitor conjugate for photodynamic therapy with simultaneous inhibition of treatment escape pathways. <i>Biomaterials</i> , 2020, 257, 120262.	11.4	19
81	New Cy5 photosensitizers for cancer phototherapy: a low singlet-triplet gap provides high quantum yield of singlet oxygen. <i>Chemical Science</i> , 2021, 12, 13809-13816.	7.4	19
82	Se-sensitized NIR hot band absorption photosensitizer for anti-Stokes excitation deep photodynamic therapy. <i>Science China Chemistry</i> , 2022, 65, 563-573.	8.2	19
83	Bromo-pentamethine as mitochondria-targeted photosensitizers for cancer cell apoptosis with high efficiency. <i>Dyes and Pigments</i> , 2018, 149, 633-638.	3.7	18
84	A plasmonic nano-sensor for the fast detection of Ag <sup>+</sup> based on synergistic coordination-inspired gold nanoparticle. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 808-813.	7.8	17
85	Hypoxia-activatable nano-prodrug for fluorescently tracking drug release in mice. <i>Science China Chemistry</i> , 2021, 64, 499-508.	8.2	17
86	Internal and External Combined Nonradiative Decay-Based Nanoagents for Photoacoustic Image-Guided Highly Efficient Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 46353-46360.	8.0	16
87	Near-infrared upper phenyl-fused BODIPY as a photosensitizer for photothermal-photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3048-3054.	5.8	14
88	A proton-activatable aminated-chrysophanol sensitizer for photodynamic therapy. <i>Dyes and Pigments</i> , 2017, 147, 476-483.	3.7	13
89	Ratiometric real-time monitoring of hydroxyapatite-doxorubicin nanotheranostic agents for on-demand tumor targeted chemotherapy. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1791-1798.	5.9	13
90	Carbon dots inspired by structure-inherent targeting for nucleic acid imaging and localized photodynamic therapy. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130322.	7.8	13

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91	Photodynamic inheritance from methylene blue to carbon dots against reduction, aggregation, and DNA interference. <i>Science China Materials</i> , 2021, 64, 2325-2336.	6.3	12
92	1,7-di-tert-butyl-substituted aza-BODIPYs by Low-Barrier Rotation to Enhance a Photothermal-Photodynamic Effect. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	11
93	Near-infrared vinyl-containing aza-BODIPY nanoparticles as photosensitizer for phototherapy. <i>Dyes and Pigments</i> , 2022, 198, 110026.	3.7	11
94	In-situ colorimetric recognition of arylamine based on chemodosimeter-functionalized gold nanoparticle. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 318-323.	7.8	9
95	Revealing the Photodynamic Stress <i>In Situ</i> with a Dual-Mode Two-Photon <sup>1</sup> O <sub>2</sub> Fluorescent Probe. <i>ACS Sensors</i> , 2020, 5, 1411-1418.	7.8	9
96	A dual channel fluorescent probe with pH-based specificity to lysosomes for multicolor imaging and localization. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130213.	7.8	9
97	Gold nanoparticle-based plasmonic probe for selective recognition of adenosine. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126591.	7.8	8
98	A benzophenoxazine-dyad as cancer indicator using for fluorescence-guided phototherapy. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 130990.	7.8	8
99	Biodegradable Ru-Containing Polycarbonate Micelles for Photoinduced Anticancer Multitherapeutic Agent Delivery and Phototherapy Enhancement. <i>Biomacromolecules</i> , 2022, 23, 1733-1744.	5.4	8
100	Effects of different nozzle materials on atomization results via CFD simulation. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 362-368.	3.5	7
101	A photosensitizer with conformational restriction for enhanced photodynamic therapy. <i>Chemical Communications</i> , 2021, 57, 9100-9103.	4.1	7
102	Confined-Space Mechanism Inspired by the Ingenious Fabrication of a Förster Resonance Energy Transfer System as a Ratiometric Probe for Ag <sup>+</sup> Recognition. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 10591-10596.	3.7	6
103	Dual stimuli-responsive saccharide core based nanocarrier for efficient Birc5-shRNA delivery. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7530-7542.	5.8	6
104	Molecular Design of Monochromophore-Based Bifunctional Photosensitizers for Simultaneous Ratiometric Oxygen Reporting and Photodynamic Cancer Therapy. <i>Analytical Chemistry</i> , 2021, 93, 13539-13547.	6.5	5
105	Ultrasound-degradable serum albumin nanoplatform for <i>in situ</i> controlled drug release. <i>Chemical Communications</i> , 2020, 56, 7503-7506.	4.1	4
106	Emerging Design Principle of Near-Infrared Upconversion Sensitizer Based on Mitochondria-Targeted Organic Dye for Enhanced Photodynamic Therapy. <i>Chemistry - A European Journal</i> , 2021, 27, 16707-16715.	3.3	2
107	Contaminant Detection: Optical Reading of Contaminants in Aqueous Media Based on Gold Nanoparticles (Small 17/2014). <i>Small</i> , 2014, 10, 3426-3426.	10.0	1
108	Light-triggered dePEGylation with decreasing the diameter of hydroxyapatite nanocarriers for enhanced cellular uptake and tumor penetration. <i>Nano Select</i> , 2021, 2, 1954.	3.7	1

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109	Nucleic Acid Probe-Based Difunctional Hematology Analysis Kit for Peripheral Blood Cell Analysis. ACS Sensors, 2022, , .	7.8	1
110	Ring-fused dipyrrolyldiketone difluoroboron complexes for pioneering exploration of photothermal effect. Asian Journal of Organic Chemistry, 0, , .	2.7	0