

Shuizhu Wu

List of Publications by Year in descending order

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100
papers

5,537
citations

61857

43
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82410

72
g-index

100
all docs

100
docs citations

100
times ranked

6106
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon-dot-based ratiometric fluorescent sensor for detecting hydrogen sulfide in aqueous media and inside live cells. <i>Chemical Communications</i> , 2013, 49, 403-405.	2.2	440
2	Real-Time Monitoring of Endogenous Cysteine Levels In Vivo by near-Infrared Turn-on Fluorescent Probe with Large Stokes Shift. <i>Analytical Chemistry</i> , 2018, 90, 1014-1020.	3.2	204
3	Pyrene Derivative Emitting Red or near-Infrared Light with Monomer/Excimer Conversion and Its Application to Ratiometric Detection of Hypochlorite. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1511-1519.	4.0	191
4	Carbon dots-based fluorescent probes for sensitive and selective detection of iodide. <i>Mikrochimica Acta</i> , 2013, 180, 453-460.	2.5	160
5	Ratiometric detection and imaging of endogenous hypochlorite in live cells and in vivo achieved by using an aggregation induced emission (AIE)-based nanoprobe. <i>Chemical Communications</i> , 2016, 52, 7288-7291.	2.2	146
6	A two-photon fluorescent sensor revealing drug-induced liver injury via tracking γ -glutamyltranspeptidase (GGT) level in vivo. <i>Biomaterials</i> , 2016, 80, 46-56.	5.7	141
7	Nanoaggregate Probe for Breast Cancer Metastasis through Multispectral Optoacoustic Tomography and Aggregation-Induced NIR-IR Fluorescence Imaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10111-10121.	7.2	140
8	A highly selective fluorescent nanoprobe based on AIE and ESIPT for imaging hydrogen sulfide in live cells and zebrafish. <i>Materials Chemistry Frontiers</i> , 2017, 1, 838-845.	3.2	132
9	Ratiometric Fluorescent Probe for Alkaline Phosphatase Based on Betaine-Modified Polyethylenimine via Excimer/Monomer Conversion. <i>Analytical Chemistry</i> , 2014, 86, 9873-9879.	3.2	128
10	A fluorescent probe for simultaneous discrimination of GSH and Cys/Hcy in human serum samples via distinctly-separated emissions with independent excitations. <i>Biosensors and Bioelectronics</i> , 2016, 81, 341-348.	5.3	128
11	Activatable probes for diagnosing and positioning liver injury and metastatic tumors by multispectral optoacoustic tomography. <i>Nature Communications</i> , 2018, 9, 3983.	5.8	128
12	A Fluorescence Turn-On Sensor for Iodide Based on a Thymine-Hg ^{II} -Thymine Complex. <i>Chemistry - A European Journal</i> , 2011, 17, 14844-14850.	1.7	119
13	Preparation of a Mitochondria-targeted and NO-Releasing Nanoplatfrom and its Enhanced Pro-Apoptotic Effect on Cancer Cells. <i>Small</i> , 2014, 10, 3750-3760.	5.2	117
14	A ratiometric fluorescent system for carboxylesterase detection with AIE dots as FRET donors. <i>Chemical Communications</i> , 2015, 51, 12791-12794.	2.2	104
15	A PEGylated Fluorescent Turn-On Sensor for Detecting Fluoride Ions in Totally Aqueous Media and Its Imaging in Live Cells. <i>Chemistry - A European Journal</i> , 2013, 19, 936-942.	1.7	102
16	Water-Dispersible Fullerene Aggregates as a Targeted Anticancer Prodrug with both Chemo- and Photodynamic Therapeutic Actions. <i>Small</i> , 2013, 9, 613-621.	5.2	97
17	Polymer Micelle with pH-Triggered Hydrophobic-Hydrophilic Transition and De-Cross-Linking Process in the Core and Its Application for Targeted Anticancer Drug Delivery. <i>Biomacromolecules</i> , 2012, 13, 4126-4137.	2.6	95
18	Dual-Targeting Nanosystem for Enhancing Photodynamic Therapy Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9287-9296.	4.0	92

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19	An AIE-based fluorescent test strip for the portable detection of gaseous phosgene. <i>Chemical Communications</i> , 2017, 53, 9813-9816.	2.2	87
20	A fluorescent ratiometric nanosensor for detecting NO in aqueous media and imaging exogenous and endogenous NO in live cells. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4152.	2.9	82
21	Ratiometric fluorescence assay for \hat{I}^3 -glutamyltranspeptidase detection based on a single fluorophore via analyte-induced variation of substitution. <i>Chemical Communications</i> , 2014, 50, 3417.	2.2	79
22	A fast-responding fluorescent turn-on sensor for sensitive and selective detection of sulfite anions. <i>Analytical Methods</i> , 2012, 4, 2638.	1.3	78
23	A DT-diaphorase responsive theranostic prodrug for diagnosis, drug release monitoring and therapy. <i>Chemical Communications</i> , 2015, 51, 9567-9570.	2.2	78
24	A Gold Nanocage/Cluster Hybrid Structure for Whole-Body Multispectral Optoacoustic Tomography Imaging, EGFR Inhibitor Delivery, and Photothermal Therapy. <i>Small</i> , 2019, 15, e1900309.	5.2	73
25	A water-soluble and specific BODIPY-based fluorescent probe for hypochlorite detection and cell imaging. <i>Analytical Methods</i> , 2013, 5, 5589.	1.3	71
26	A fluorescent assay for \hat{I}^3 -glutamyltranspeptidase via aggregation induced emission and its applications in real samples. <i>Biosensors and Bioelectronics</i> , 2016, 85, 317-323.	5.3	71
27	Hyperbranched Polyester-Based Fluorescent Probe for Histone Deacetylase via Aggregation-Induced Emission. <i>Biomacromolecules</i> , 2013, 14, 4507-4514.	2.6	69
28	Diagnosing Drug-Induced Liver Injury by Multispectral Optoacoustic Tomography and Fluorescence Imaging Using a Leucine-Aminopeptidase-Activated Probe. <i>Analytical Chemistry</i> , 2019, 91, 8085-8092.	3.2	63
29	A H ₂ O ₂ -activatable nanoprobe for diagnosing interstitial cystitis and liver ischemia-reperfusion injury via multispectral optoacoustic tomography and NIR-II fluorescent imaging. <i>Nature Communications</i> , 2021, 12, 6870.	5.8	63
30	Biomarker-activatable probes based on smart AIEgens for fluorescence and optoacoustic imaging. <i>Coordination Chemistry Reviews</i> , 2022, 458, 214438.	9.5	62
31	Handy ratiometric detection of gaseous nerve agents with AIE-fluorophore-based solid test strips. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10105-10110.	2.7	61
32	An Activatable Near-Infrared Chromophore for Multispectral Optoacoustic Imaging of Tumor Hypoxia and for Tumor Inhibition. <i>Theranostics</i> , 2019, 9, 7313-7324.	4.6	60
33	A Turn-On Optoacoustic Probe for Imaging Metformin-Induced Upregulation of Hepatic Hydrogen Sulfide and Subsequent Liver Injury. <i>Theranostics</i> , 2019, 9, 77-89.	4.6	59
34	A ratiometric fluorescent probe for in vivo tracking of alkaline phosphatase level variation resulting from drug-induced organ damage. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1042-1048.	2.9	58
35	A self-immolative prodrug nanosystem capable of releasing a drug and a NIR reporter for in vivo imaging and therapy. <i>Biomaterials</i> , 2017, 139, 139-150.	5.7	58
36	Emerging contrast agents for multispectral optoacoustic imaging and their biomedical applications. <i>Chemical Society Reviews</i> , 2021, 50, 7924-7940.	18.7	58

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37	Activatable Nanocomposite Probe for Preoperative Location and Intraoperative Navigation for Orthotopic Hepatic Tumor Resection via MSOT and Aggregation-Induced Near-IR-I/II Fluorescence Imaging. <i>Analytical Chemistry</i> , 2020, 92, 9257-9264.	3.2	54
38	A Fluorescent Probe for Early Detection of Melanoma and Its Metastasis by Specifically Imaging Tyrosinase Activity in a Mouse Model. <i>Analytical Chemistry</i> , 2018, 90, 8807-8815.	3.2	53
39	A bioorthogonal nanosystem for imaging and in vivo tumor inhibition. <i>Biomaterials</i> , 2017, 138, 57-68.	5.7	49
40	Nanosized diblock copolymer micelles as a scaffold for constructing a ratiometric fluorescent sensor for metal ion detection in aqueous media. <i>Nanotechnology</i> , 2010, 21, 195501.	1.3	48
41	Fluorescent nanoprobe for in-vivo ratiometric imaging of endogenous hydrogen peroxide resulted from drug-induced organ damages. <i>Biosensors and Bioelectronics</i> , 2017, 94, 278-285.	5.3	48
42	A Nanoprobe for Diagnosing and Mapping Lymphatic Metastasis of Tumor Using 3D Multispectral Optoacoustic Tomography Owing to Aggregation/Deaggregation Induced Spectral Change. <i>Advanced Functional Materials</i> , 2019, 29, 1807960.	7.8	46
43	A turn-on fluorescence probe based on aggregation-induced emission for leucine aminopeptidase in living cells and tumor tissue. <i>Analytica Chimica Acta</i> , 2018, 1031, 169-177.	2.6	45
44	A Fluorescent Probe with Aggregation-Induced Emission for Detecting Alkaline Phosphatase and Cell Imaging. <i>Chemistry - an Asian Journal</i> , 2019, 14, 802-808.	1.7	45
45	Mesoporous silica particles for selective detection of dopamine with β -cyclodextrin as the selective barricade. <i>Chemical Communications</i> , 2011, 47, 9086.	2.2	43
46	Cell-penetrating poly(disulfide)-based star polymers for simultaneous intracellular delivery of miRNAs and small molecule drugs. <i>Polymer Chemistry</i> , 2017, 8, 4043-4051.	1.9	43
47	A polylysine-based fluorescent probe for sulfite anion detection in aqueous media via analyte-induced charge generation and complexation. <i>Polymer Chemistry</i> , 2013, 4, 5416.	1.9	42
48	Simultaneous Imaging of Endogenous Survivin mRNA and On-Demand Drug Release in Live Cells by Using a Mesoporous Silica Nanoquencher. <i>Small</i> , 2017, 13, 1700569.	5.2	42
49	Tumor Inhibition Achieved by Targeting and Regulating Multiple Key Elements in EGFR Signaling Pathway Using a Self-Assembled Nanoprodrug. <i>Advanced Functional Materials</i> , 2018, 28, 1800692.	7.8	42
50	One-pot fabrication of polymer nanoparticle-based chemosensors for Cu ²⁺ detection in aqueous media. <i>Polymer Chemistry</i> , 2013, 4, 2325.	1.9	41
51	A Nanosystem Capable of Releasing a Photosensitizer Bioprecursor under Two-Photon Irradiation for Photodynamic Therapy. <i>Advanced Science</i> , 2016, 3, 1500254.	5.6	41
52	An AIEgen-based oral-administration nanosystem for detection and therapy of ulcerative colitis via 3D-MSOT/NIR-II fluorescent imaging and inhibiting NLRP3 inflammasome. <i>Biomaterials</i> , 2022, 283, 121468.	5.7	41
53	A ratiometric fluorescent probe for aluminum ions based-on monomer/excimer conversion and its applications to real samples. <i>Talanta</i> , 2016, 151, 8-13.	2.9	39
54	A dopamine-precursor-based nanoprodrug for in-situ drug release and treatment of acute liver failure by inhibiting NLRP3 inflammasome and facilitating liver regeneration. <i>Biomaterials</i> , 2021, 268, 120573.	5.7	39

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55	An Activatable Probe with Aggregation-Induced Emission for Detecting and Imaging Herbal Medicine Induced Liver Injury with Optoacoustic Imaging and NIR-Fluorescence Imaging. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100867.	3.9	37
56	Oligo(ethylene glycol)-Functionalized Squaraine Fluorophore as a Near-Infrared-Fluorescent Probe for the In Vivo Detection of Diagnostic Enzymes. <i>Analytical Chemistry</i> , 2018, 90, 9359-9365.	3.2	35
57	Nanoaggregate Probe for Breast Cancer Metastasis through Multispectral Optoacoustic Tomography and Aggregation-Induced NIR-Fluorescence Imaging. <i>Angewandte Chemie</i> , 2020, 132, 10197-10207.	1.6	35
58	A self-immolative and DT-diaphorase-activatable prodrug for drug-release tracking and therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2635-2643.	2.9	33
59	A sequential enzyme-activated and light-triggered pro-prodrug nanosystem for cancer detection and therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2547-2556.	2.9	33
60	A fluorescent probe based on aggregation-induced emission for hydrogen sulfide-specific assaying in food and biological systems. <i>Analyst</i> , 2019, 144, 6570-6577.	1.7	33
61	A mitochondrial-targeting and NO-based anticancer nanosystem with enhanced photo-controllability and low dark-toxicity. <i>Journal of Materials Chemistry B</i> , 2015, 3, 4904-4912.	2.9	32
62	A ratiometric fluorescent probe for hyaluronidase detection via hyaluronan-induced formation of red-light emitting excimers. <i>Biosensors and Bioelectronics</i> , 2016, 79, 776-783.	5.3	31
63	Grafting zwitterionic polymer chains onto PEI as a convenient strategy to enhance gene delivery performance. <i>Polymer Chemistry</i> , 2013, 4, 5810.	1.9	30
64	A two-photon-activated prodrug for therapy and drug release monitoring. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7538-7546.	2.9	30
65	Ratiometric sensing of mercury(II) based on a FRET process on silica core-shell nanoparticles acting as vehicles. <i>Mikrochimica Acta</i> , 2013, 180, 845-853.	2.5	29
66	Low molecular weight PEIs modified by hydrazone-based crosslinker and betaine as improved gene carriers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 472-481.	2.5	26
67	A conjugated-polymer-based ratiometric nanoprobe for evaluating in-vivo hepatotoxicity induced by herbal medicine via MSOT imaging. <i>Photoacoustics</i> , 2019, 13, 6-17.	4.4	26
68	An activatable probe for detecting alcoholic liver injury via multispectral optoacoustic tomography and fluorescence imaging. <i>Chemical Communications</i> , 2020, 56, 11102-11105.	2.2	26
69	Activatable fluorescent probe based on aggregation-induced emission for detecting hypoxia-related pathological conditions. <i>Analytica Chimica Acta</i> , 2020, 1125, 152-161.	2.6	26
70	Phase separation in poly(N-isopropyl acrylamide)/water solutions. II. Salt effects on cloud-point curves and gelation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 901-907.	2.4	24
71	Bioorthogonal Nanosystem for Near-Infrared Fluorescence Imaging and Prodrug Activation in Mouse Model. , 2019, 1, 549-557.		24
72	An Activatable Nano-Prodrug for Treating Tyrosine-Kinase-Inhibitor-Resistant Non-Small Cell Lung Cancer and for Optoacoustic and Fluorescent Imaging. <i>Small</i> , 2020, 16, e2003451.	5.2	24

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73	A turn-on probe for detecting antituberculous drug-induced liver injury in mice <i>via</i> NIR-II fluorescence/optoacoustic imaging. <i>Chemical Communications</i> , 2021, 57, 7842-7845.	2.2	23
74	Amino-peptidase N Activatable Nanoprobe for Tracking Lymphatic Metastasis and Guiding Tumor Resection Surgery <i>via</i> Optoacoustic/NIR-II Fluorescence Dual-Mode Imaging. <i>Analytical Chemistry</i> , 2022, 94, 8449-8457.	3.2	22
75	Tetrazine-Mediated Bioorthogonal System for Prodrug Activation, Photothermal Therapy, and Optoacoustic Imaging. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41875-41888.	4.0	21
76	An anthracenecarboximide fluorescent probe for <i>in vitro</i> and <i>in vivo</i> ratiometric imaging of endogenous α -L-fucosidase for hepatocellular carcinoma diagnosis. <i>Materials Chemistry Frontiers</i> , 2017, 1, 660-667.	3.2	20
77	Targeted anti-cancer prodrug based on carbon nanotube with photodynamic therapeutic effect and pH-triggered drug release. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	19
78	An Unsymmetrical Squaraine-Based Activatable Probe for Imaging Lymphatic Metastasis by Responding to Tumor Hypoxia with MSOT and Aggregation-Enhanced Fluorescent Imaging. <i>Chemistry - A European Journal</i> , 2019, 25, 16740-16747.	1.7	18
79	Fluorophore-Dapagliflozin Dyad for Detecting Diabetic Liver/Kidney Damages <i>via</i> Fluorescent Imaging and Treating Diabetes <i>via</i> Inhibiting SGLT2. <i>Analytical Chemistry</i> , 2021, 93, 4647-4656.	3.2	18
80	Tetranitrile-anthracene as a probe for fluorescence detection of viscosity in fluid drinks <i>via</i> aggregation-induced emission. <i>Analyst, The</i> , 2020, 145, 844-850.	1.7	17
81	Preparation of Highly Charged, Monodisperse Nanospheres. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 673-677.	1.1	14
82	A biopolymer-based and inflammation-responsive nanodrug for rheumatoid arthritis treatment <i>via</i> inhibiting JAK-STAT and JNK signalling pathways. <i>Nanoscale</i> , 2020, 12, 23013-23027.	2.8	14
83	Rational design of stable heptamethine cyanines and development of a biomarker-activatable probe for detecting acute lung/kidney injuries <i>via</i> NIR-II fluorescence imaging. <i>Analyst, The</i> , 2022, 147, 410-416.	1.7	13
84	A Targeted Nanosystem for Detection of Inflammatory Diseases <i>via</i> Fluorescent/Optoacoustic Imaging and Therapy <i>via</i> Modulating Nrf2/NF- κ B Pathways. <i>Small</i> , 2021, 17, e2102598.	5.2	12
85	Therapeutic Nanosystem Consisting of Singlet-Oxygen-Responsive Prodrug and Photosensitizer Excited by Two-Photon Light. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 23-27.	1.3	11
86	Refashioning benzothiadiazole dye as an activatable nanoprobe for biomarker detection with NIR-II fluorescence/optoacoustic imaging. <i>Cell Reports Physical Science</i> , 2022, 3, 100570.	2.8	10
87	An activatable probe for detection and therapy of food-additive-related hepatic injury <i>via</i> NIR-II fluorescence/optoacoustic imaging and biomarker-triggered drug release. <i>Analytica Chimica Acta</i> , 2022, 1208, 339831.	2.6	9
88	AIE fluorophore with enhanced cellular uptake for tracking esterase-activated release of taurine and ROS scavenging. <i>Faraday Discussions</i> , 2017, 196, 335-350.	1.6	8
89	Targeted and activatable nanosystem for fluorescent and optoacoustic imaging of immune-mediated inflammatory diseases and therapy <i>via</i> inhibiting NF- κ B/NLRP3 pathways. <i>Bioactive Materials</i> , 2022, 10, 79-92.	8.6	8
90	Near-Infrared Fluorescent Nanoprobe for Detecting Hydrogen Peroxide in Inflammation and Ischemic Kidney Injury. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1304-1310.	2.6	8

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91	Modulation of Fluorescence of a Terbium-Complex-Containing Polymer by Gold Nanoparticles through Energy Transfer. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2007, 17, 679-685.	1.9	7
92	Biomarker-responsive nanoprobe with aggregation-induced emission for locating and guiding resection of deep-seated tumors <i>via</i> optoacoustic and NIR fluorescence imaging. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1962-1970.	3.2	7
93	Optical molecular imaging and theranostics in neurological diseases based on aggregation-induced emission luminogens. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 4529-4550.	3.3	7
94	Preparation of colloidal crystals with polyhedral building blocks through post-polymerization. <i>Colloid and Polymer Science</i> , 2004, 282, 651-655.	1.0	6
95	Tunability of Fluorescence Property of a Terbium-Complex-Containing Polymer via Incorporation of a Transition-Metal Complex. <i>Macromolecular Rapid Communications</i> , 2006, 27, 937-942.	2.0	6
96	Thermal reversible gelation during phase separation of poly(N-isopropyl acrylamide)/water solution. <i>Science in China Series B: Chemistry</i> , 2000, 43, 428-434.	0.8	5
97	Synthesis of NQO1-activatable Optoacoustic Probe and Its Imaging of Breast Cancer. <i>Acta Chimica Sinica</i> , 2021, 79, 331.	0.5	4
98	ALP-activated probe for diagnosis of liver injury by multispectral optoacoustic tomography. <i>Methods in Enzymology</i> , 2021, 657, 301-330.	0.4	1
99	Interactions Between Gold Nanoparticles and Polymer Bearing 3-Styryl Thiophene Chromophores. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2008, 18, 463-471.	1.9	0
100	A dual-targeting strategy to enhance photodynamic efficacy using a pH-responsive polymeric micelles. <i>Journal of Controlled Release</i> , 2015, 213, e49.	4.8	0