

Shuizhu Wu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97
papers

4,187
citations

39
h-index

62
g-index

100
ext. papers

4,944
ext. citations

8.4
avg, IF

5.99
L-index

#	Paper	IF	Citations
97	Biomarker-activatable probes based on smart AIEgens for fluorescence and optoacoustic imaging. <i>Coordination Chemistry Reviews</i> , 2022 , 458, 214438	23.2	8
96	Targeted and activatable nanosystem for fluorescent and optoacoustic imaging of immune-mediated inflammatory diseases and therapy via inhibiting NF- κ B/NLRP3 pathways.. <i>Bioactive Materials</i> , 2022 , 10, 79-92	16.7	2
95	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	15.6	4
94	An activatable probe for detection and therapy of food-additive-related hepatic injury via NIR-II fluorescence/optoacoustic imaging and biomarker-triggered drug release.. <i>Analytica Chimica Acta</i> , 2022 , 1208, 339831	6.6	4
93	A HO-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	17.4	13
92	Fluorophore-Dapagliflozin Dyad for Detecting Diabetic Liver/Kidney Damages via Fluorescent Imaging and Treating Diabetes via Inhibiting SGLT2. <i>Analytical Chemistry</i> , 2021 , 93, 4647-4656	7.8	3
91	An Activatable Probe with Aggregation-Induced Emission for Detecting and Imaging Herbal Medicine Induced Liver Injury with Optoacoustic Imaging and NIR-II Fluorescence Imaging. <i>Advanced Healthcare Materials</i> , 2021 , e2100867	10.1	9
90	A dopamine-precursor-based nanoprodruge 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	15.6	14
89	Emerging contrast agents for multispectral optoacoustic imaging and their biomedical applications. <i>Chemical Society Reviews</i> , 2021 , 50, 7924-7940	58.5	18
88	A turn-on probe for detecting antituberculous drug-induced liver injury in mice NIR-II fluorescence/optoacoustic imaging. <i>Chemical Communications</i> , 2021 , 57, 7842-7845	5.8	5
87	A Targeted Nanosystem for Detection of Inflammatory Diseases via Fluorescent/Optoacoustic Imaging and Therapy via Modulating Nrf2/NF- κ B Pathways. <i>Small</i> , 2021 , 17, e2102598	11	5
86	Refashioning benzothiadiazole dye as an activatable nanoprobe for biomarker detection with NIR-II fluorescence/optoacoustic imaging. <i>Cell Reports Physical Science</i> , 2021 , 100570	6.1	3
85	Biomarker-responsive nanoprobe with aggregation-induced emission for locating and guiding resection of deep-seated tumors via optoacoustic and NIR fluorescence imaging. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 1962-1970	7.8	3
84	Synthesis of NQO1-activatable Optoacoustic Probe and Its Imaging of Breast Cancer. <i>Acta Chimica Sinica</i> , 2021 , 79, 331	3.3	2
83	ALP-activated probe for diagnosis of liver injury by multispectral optoacoustic tomography. <i>Methods in Enzymology</i> , 2021 , 657, 301-330	1.7	0
82	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	7.8	28
81	Activatable fluorescent probe based on aggregation-induced emission for detecting hypoxia-related pathological conditions. <i>Analytica Chimica Acta</i> , 2020 , 1125, 152-161	6.6	16

80	Nanoaggregate Probe for Breast Cancer Metastasis through Multispectral Optoacoustic Tomography and Aggregation-Induced NIR-I/II Fluorescence Imaging. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10111-10121	16.4	87
79	Tetranitrile-anthracene as a probe for fluorescence detection of viscosity in fluid drinks via aggregation-induced emission. <i>Analyst, The</i> , 2020 , 145, 844-850	5	13
78	Nanoaggregate Probe for Breast Cancer Metastasis through Multispectral Optoacoustic Tomography and Aggregation-Induced NIR-I/II Fluorescence Imaging. <i>Angewandte Chemie</i> , 2020 , 132, 10197-10207	3.6	18
77	A biopolymer-based and inflammation-responsive nanodrug for rheumatoid arthritis treatment inhibiting JAK-STAT and JNK signalling pathways. <i>Nanoscale</i> , 2020 , 12, 23013-23027	7.7	8
76	An activatable probe for detecting alcoholic liver injury via multispectral optoacoustic tomography and fluorescence imaging. <i>Chemical Communications</i> , 2020 , 56, 11102-11105	5.8	13
75	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	11	12
74	Near-Infrared Fluorescent Nanoprobe for Detecting Hydrogen Peroxide in Inflammation and Ischemic Kidney Injury. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 1304-1310	4.9	3
73	Tetrazine-Mediated Bioorthogonal System for Prodrug Activation, Photothermal Therapy, and Optoacoustic Imaging. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 41875-41888	9.5	6
72	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	11	46
71	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	7.8	39
70	An Activatable Near-Infrared Chromophore for Multispectral Optoacoustic Imaging of Tumor Hypoxia and for Tumor Inhibition. <i>Theranostics</i> , 2019 , 9, 7313-7324	12.1	45
69	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	4.8	16
68	Bioorthogonal Nanosystem for Near-Infrared Fluorescence Imaging and Prodrug Activation in Mouse Model 2019 , 1, 549-557		11
67	A fluorescent probe based on aggregation-induced emission for hydrogen sulfide-specific assaying in food and biological systems. <i>Analyst, The</i> , 2019 , 144, 6570-6577	5	13
66	A Fluorescent Probe with Aggregation-Induced Emission for Detecting Alkaline Phosphatase and Cell Imaging. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 802-808	4.5	32
65	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	15.6	34
64	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	9	21
63	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	12.1	44

62	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	15.6	34
61	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	4.3	9
60	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	7.3	21
59	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	7.8	39
58	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	7.8	26
57	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	6.6	34
56	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	7.8	155
55	Activatable probes for diagnosing and positioning liver injury and metastatic tumors by multispectral optoacoustic tomography. <i>Nature Communications</i> , 2018 , 9, 3983	17.4	95
54	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	7.3	27
53	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	11.8	40
52	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	4.9	33
51	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	15.6	40
50	A bioorthogonal nanosystem for imaging and in vivo tumor inhibition. <i>Biomaterials</i> , 2017 , 138, 57-68	15.6	33
49	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	11	35
48	AIE fluorophore with enhanced cellular uptake for tracking esterase-activated release of taurine and ROS scavenging. <i>Faraday Discussions</i> , 2017 , 196, 335-350	3.6	8
47	An AIE-based fluorescent test strip for the portable detection of gaseous phosgene. <i>Chemical Communications</i> , 2017 , 53, 9813-9816	5.8	70
46	A two-photon-activated prodrug for therapy and drug release monitoring. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 7538-7546	7.3	18
45	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	7.8	87

44	An anthracenecarboximide fluorescent probe for in vitro and in vivo ratiometric imaging of endogenous alpha-L-fucosidase for hepatocellular carcinoma diagnosis. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 660-667	7.8	18
43	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	6.2	27
42	A two-photon fluorescent sensor revealing drug-induced liver injury via tracking Eglutamyltranspeptidase (GGT) level in vivo. <i>Biomaterials</i> , 2016 , 80, 46-56	15.6	102
41	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	11.8	115
40	A ratiometric fluorescent probe for hyaluronidase detection via hyaluronan-induced formation of red-light emitting excimers. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 776-83	11.8	24
39	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, 1511-9	9.5	162
38	A fluorescent assay for Eglutamyltranspeptidase via aggregation induced emission and its applications in real samples. <i>Biosensors and Bioelectronics</i> , 2016 , 85, 317-323	11.8	52
37	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, 7288-91	5.8	132
36	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	7.1	43
35	A Nanosystem Capable of Releasing a Photosensitizer Bioprecursor under Two-Photon Irradiation for Photodynamic Therapy. <i>Advanced Science</i> , 2016 , 3, 1500254	13.6	33
34	A ratiometric fluorescent system for carboxylesterase detection with AIE dots as FRET donors. <i>Chemical Communications</i> , 2015 , 51, 12791-4	5.8	86
33	Dual-targeting nanosystem for enhancing photodynamic therapy efficiency. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9287-96	9.5	81
32	A DT-diaphorase responsive theranostic prodrug for diagnosis, drug release monitoring and therapy. <i>Chemical Communications</i> , 2015 , 51, 9567-70	5.8	62
31	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	7.3	49
30	A dual-targeting strategy to enhance photodynamic efficacy using a pH-responsive polymeric micelles. <i>Journal of Controlled Release</i> , 2015 , 213, e49	11.7	
29	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	7.3	25
28	Ratiometric fluorescence assay for Eglutamyltranspeptidase detection based on a single fluorophore via analyte-induced variation of substitution. <i>Chemical Communications</i> , 2014 , 50, 3417-20	5.8	65
27	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	6	23

26	Ratiometric fluorescent probe for alkaline phosphatase based on betaine-modified polyethylenimine via excimer/monomer conversion. <i>Analytical Chemistry</i> , 2014 , 86, 9873-9	7.8	106
25	Preparation of a mitochondria-targeted and NO-releasing nanoplatfom and its enhanced pro-apoptotic effect on cancer cells. <i>Small</i> , 2014 , 10, 3750-60	11	90
24	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	2.3	17
23	Carbon-dot-based ratiometric fluorescent sensor for detecting hydrogen sulfide in aqueous media and inside live cells. <i>Chemical Communications</i> , 2013 , 49, 403-5	5.8	400
22	A water-soluble and specific BODIPY-based fluorescent probe for hypochlorite detection and cell imaging. <i>Analytical Methods</i> , 2013 , 5, 5589	3.2	61
21	Carbon dots-based fluorescent probes for sensitive and selective detection of iodide. <i>Mikrochimica Acta</i> , 2013 , 180, 453-460	5.8	139
20	Grafting zwitterionic polymer chains onto PEI as a convenient strategy to enhance gene delivery performance. <i>Polymer Chemistry</i> , 2013 , 4, 5810	4.9	28
19	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	4.9	40
18	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, 4152-4159	7.3	69
17	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, 936-42	4.8	92
16	Water-dispersible fullerene aggregates as a targeted anticancer prodrug with both chemo- and photodynamic therapeutic actions. <i>Small</i> , 2013 , 9, 613-21	11	81
15	One-pot fabrication of polymer nanoparticle-based chemosensors for Cu ²⁺ detection in aqueous media. <i>Polymer Chemistry</i> , 2013 , 4, 2325	4.9	41
14	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	5.8	29
13	Hyperbranched polyester-based fluorescent probe for histone deacetylase via aggregation-induced emission. <i>Biomacromolecules</i> , 2013 , 14, 4507-14	6.9	64
12	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, 4126-37	6.9	88
11	A fast-responding fluorescent turn-on sensor for sensitive and selective detection of sulfite anions. <i>Analytical Methods</i> , 2012 , 4, 2638	3.2	74
10	Mesoporous silica particles for selective detection of dopamine with β -cyclodextrin as the selective barricade. <i>Chemical Communications</i> , 2011 , 47, 9086-8	5.8	41
9	A fluorescence turn-on sensor for iodide based on a thymine-Hg(II)-thymine complex. <i>Chemistry - A European Journal</i> , 2011 , 17, 14844-50	4.8	113

8	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	3.4	46
7	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	3.2	
6	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	3.3	7
5	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	4.8	6
4	Preparation of colloidal crystals with polyhedral building blocks through post-polymerization. <i>Colloid and Polymer Science</i> , 2004 , 282, 651-655	2.4	6
3	Preparation of Highly Charged, Monodisperse Nanospheres. <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 673-677	2.6	14
2	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	2.6	20
1	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		5