Pengfei Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

76 papers	4,663 citations	101543 36 h-index	102487 66 g-index
81 all docs	81 docs citations	81 times ranked	5107 citing authors

#	Article	IF	Citations
1	Albumin-Consolidated AIEgens for Boosting Glioma and Cerebrovascular NIR-II Fluorescence Imaging. ACS Applied Materials & Interfaces, 2023, 15, 3-13.	8.0	23
2	Spatiotemporal Control of Molecular Cascade Reactions by a Reconfigurable DNA Origami Domino Array. Angewandte Chemie - International Edition, 2022, 61, .	13.8	9
3	Aggregation-Induced Emission Luminogen Catalyzed Photocontrolled Reversible Additionâ€“Fragmentation Chain Transfer Polymerization in an Aqueous Environment. Macromolecules, 2022, 55, 2904-2910.	4.8	10
4	Acceptor Planarization and Donor Rotation: A Facile Strategy for Realizing Synergistic Cancer Phototherapy via Type I PDT and PTT. ACS Nano, 2022, 16, 4162-4174.	14.6	121
5	Bonsai-inspired AIE nanohybrid photosensitizer based on vermiculite nanosheets for ferroptosis-assisted oxygen self-sufficient photodynamic cancer therapy. Nano Today, 2022, 44, 101477.	11.9	24
6	An Î±-naphtholphthalein-derived colorimetric fluorescent chemoprobe for the portable and visualized monitoring of Hg²⁺by the hydrolysis mechanism. New Journal of Chemistry, 2022, 46, 11695-11705.	2.8	5
7	A responsive AIE-active fluorescent probe for visualization of acetylcholinesterase activityin vitroandin vivo. Materials Chemistry Frontiers, 2022, 6, 1515-1521.	5.9	19
8	Ratiometric imaging of butyrylcholinesterase activity in mice with nonalcoholic fatty liver using an AIE-based fluorescent probe. Journal of Materials Chemistry B, 2022, 10, 4254-4260.	5.8	20
9	Enhancement of Plasmonâ€Induced Photoelectrocatalytic Water Oxidation over Au/TiO₂ with Lithium Intercalation. Angewandte Chemie, 2022, 134, .	2.0	1
10	An easily available ratiometric AIE probe for peroxynitrite in vitro and in vivo imaging. Sensors and Actuators B: Chemical, 2021, 329, 129223.	7.8	31
11	Development of Reaction-Based AIE Handy Pen for Visual Detection of Toxic Vapors. , 2021, 3, 249-254.		18
12	An easily available lysosomal-targeted ratiometric fluorescent probe with aggregation induced emission characteristics for hydrogen polysulfide visualization in acute ulcerative colitis. Materials Chemistry Frontiers, 2021, 5, 7638-7644.	5.9	7
13	An easily available ratiometric AIE probe for nitroxyl visualization in vitro and in vivo. Materials Chemistry Frontiers, 2021, 5, 1817-1823.	5.9	15
14	A glutathione-activated carrier-free nanodrug of triptolide as a trackable drug delivery system for monitoring and improving tumor therapy. Materials Chemistry Frontiers, 2021, 5, 5312-5318.	5.9	6
15	AIEgens enabled ultrasensitive point-of-care test for multiple targets of food safety: Aflatoxin B1 and cyclopiazonic acid as an example. Biosensors and Bioelectronics, 2021, 182, 113188.	10.1	109
16	Synergistic Enhancement of Fluorescence and Magnetic Resonance Signals Assisted by Albumin Aggregate for Dual-Modal Imaging. ACS Nano, 2021, 15, 9924-9934.	14.6	27
17	A Biomimetic Aggregationâ€Induced Emission Photosensitizer with Antigenâ€Presenting and Hitchhiking Function for Lipid Droplet Targeted Photodynamic Immunotherapy. Advanced Materials, 2021, 33, e2102322.	21.0	83
18	3D-Printed, Portable, Fluorescent-Sensing Platform for Smartphone-Capable Detection of Organophosphorus Residue Using Reaction-Based Aggregation Induced Emission Luminogens. ACS Sensors, 2021, 6, 2845-2850.	7.8	23

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19	Effects of Dietary Protein and Lipid Levels on Growth Performance, Muscle Composition, Immunity Index and Biochemical Index of the Greenfin Horse-Faced Filefish (Thamnaconus septentrionalis) Juvenile. Journal of Ocean University of China, 2021, 20, 1245-1252.	1.2	4
20	Novel strategy to prepare fluorescent polymeric nanoparticles based on aggregation-induced emission via precipitation polymerization for fluorescent lateral flow assay. Materials Chemistry Frontiers, 2021, 5, 2452-2458.	5.9	25
21	Organic Nanocrystals Based on a Solid-emission-tunable AIEgen for Cell Imaging. Chemical Research in Chinese Universities, 2021, 37, 129-136.	2.6	5
22	Immunocyte Membrane-Coated Nanoparticles for Cancer Immunotherapy. Cancers, 2021, 13, 77.	3.7	46
23	Intelligent photothermal dendritic cells restart the cancer immunity cycle through enhanced immunogenic cell death. Biomaterials, 2021, 279, 121228.	11.4	41
24	CRISPR/Cas12a-Assisted Visual Logic-Gate Detection of Pathogenic Microorganisms Based on Water-Soluble DNA-Binding AIEgens. Frontiers in Chemistry, 2021, 9, 801972.	3.6	4
25	Mitochondria-targeting NIR fluorescent probe for rapid, highly sensitive and selective visualization of nitroxyl in live cells, tissues and mice. Science China Chemistry, 2020, 63, 282-289.	8.2	16
26	Fluorescence Selfâ€Reporting Precipitation Polymerization Based on Aggregationâ€Induced Emission for Constructing Optical Nanoagents. Angewandte Chemie, 2020, 132, 10208-10214.	2.0	15
27	Fluorescence Selfâ€Reporting Precipitation Polymerization Based on Aggregationâ€Induced Emission for Constructing Optical Nanoagents. Angewandte Chemie - International Edition, 2020, 59, 10122-10128.	13.8	47
28	Enhancing the ROS generation ability of a rhodamine-decorated iridium(<scp>iii</scp>) complex by ligand regulation for endoplasmic reticulum-targeted photodynamic therapy. Chemical Science, 2020, 11, 12212-12220.	7.4	46
29	An Allâ€Round Athlete on the Track of Phototheranostics: Subtly Regulating the Balance between Radiative and Nonradiative Decays for Multimodal Imagingâ€Guided Synergistic Therapy. Advanced Materials, 2020, 32, e2003210.	21.0	259
30	Tuning molecular aggregation to achieve highly bright AIE dots for NIR-II fluorescence imaging and NIR-I photoacoustic imaging. Chemical Science, 2020, 11, 8157-8166.	7.4	70
31	Lipid Dropletâ€Targetable Fluorescence Guided Photodynamic Therapy of Cancer Cells with an Activatable AIEâ€Active Fluorescent Probe for Hydrogen Peroxide. Advanced Optical Materials, 2020, 8, 2001119.	7.3	46
32	Natural-Killer-Cell-Inspired Nanorobots with Aggregation-Induced Emission Characteristics for Near-Infrared-II Fluorescence-Guided Glioma Theranostics. ACS Nano, 2020, 14, 11452-11462.	14.6	156
33	Enhanced performance of an electrochemical aptasensor for real-time detection of vascular endothelial growth factor (VEGF) by nanofabrication and ratiometric measurement. Analytica Chimica Acta, 2020, 1121, 74-82.	5.4	36
34	Ratiometric Photoacoustic Chemical Sensor for Pd²⁺ Ion. Analytical Chemistry, 2020, 92, 4721-4725.	6.5	13
35	Planar AIEgens with Enhanced Solidâ€State Luminescence and ROS Generation for Multidrugâ€Resistant Bacteria Treatment. Angewandte Chemie, 2020, 132, 10265-10271.	2.0	5
36	Highly Stable and Bright NIR-II AIE Dots for Intraoperative Identification of Ureter. ACS Applied Materials & Interfaces, 2020, 12, 8040-8049.	8.0	50

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37	Planar AIEgens with Enhanced Solidâ€State Luminescence and ROS Generation for Multidrugâ€Resistant Bacteria Treatment. Angewandte Chemie - International Edition, 2020, 59, 10179-10185.	13.8	76
38	Development of AIEgenâ€“montmorillonite nanocomposite powders for computer-assisted visualization of latent fingermarks. Materials Chemistry Frontiers, 2020, 4, 2131-2136.	5.9	24
39	Centimeter-Deep NIR-II Fluorescence Imaging with Nontoxic AIE Probes in Nonhuman Primates. Research, 2020, 2020, 4074593.	5.7	33
40	On-site visual discrimination of transgenic food by water-soluble DNA-binding AIEgens. Materials Chemistry Frontiers, 2019, 3, 2647-2651.	5.9	9
41	An Easily Available Ratiometric Reaction-Based AIE Probe for Carbon Monoxide Light-up Imaging. Analytical Chemistry, 2019, 91, 9388-9392.	6.5	100
42	Mitochondria-Localized Self-Reporting Small-Molecule-Decorated Theranostic Agents for Cancer-Organelle Transporting and Imaging. ACS Applied Bio Materials, 2019, 2, 5164-5173.	4.6	13
43	Supramolecular Polymerization with Dynamic Self-Sorting Sequence Control. Macromolecules, 2019, 52, 8814-8825.	4.8	40
44	Tuning Organelle Specificity and Photodynamic Therapy Efficiency by Molecular Function Design. ACS Nano, 2019, 13, 11283-11293.	14.6	199
45	Lysosome-Targeting Red-Emitting Aggregation-Induced Emission Probe with Large Stokes Shift for Light-Up in Situ Visualization of Î²-N-Acetylhexosaminidase. Analytical Chemistry, 2019, 91, 12611-12614.	6.5	42
46	Ultrafast and Noninvasive Long-Term Bioimaging with Highly Stable Red Aggregation-Induced Emission Nanoparticles. Analytical Chemistry, 2019, 91, 3467-3474.	6.5	62
47	A New Strategy toward â€œSimpleâ€•Waterâ€Soluble AIE Probes for Hypoxia Detection. Advanced Functional Materials, 2019, 29, 1903278.	14.9	58
48	Scaffolds biomimicking macrophages for a glioblastoma NIR-Ib imaging guided photothermal therapeutic strategy by crossing Blood-Brain Barrier. Biomaterials, 2019, 211, 48-56.	11.4	77
49	Monitorable Mitochondria-Targeting DNAtrain for Image-Guided Synergistic Cancer Therapy. Analytical Chemistry, 2019, 91, 6996-7000.	6.5	21
50	Synthesis of an efficient far-red/near-infrared luminogen with AIE characteristics for in vivo bioimaging applications. Chemical Communications, 2019, 55, 5615-5618.	4.1	32
51	SwissKnife-Inspired Multifunctional Fluorescence Probes for Cellular Organelle Targeting Based on Simple AIEgens. Analytical Chemistry, 2019, 91, 2169-2176.	6.5	40
52	Bioâ€orthogonal AIE Dots Based on Polyyneâ€Bridged Redâ€emissive AIEgen for Tumor Metabolic Labeling and Targeted Imaging. Chemistry - an Asian Journal, 2019, 14, 770-774.	3.3	13
53	Ultrabright red AIEgens for two-photon vascular imaging with high resolution and deep penetration. Chemical Science, 2018, 9, 2705-2710.	7.4	98
54	Rational Design of Perylenediimideâ€Substituted Triphenylethylene to Electron Transporting Aggregationâ€Induced Emission Luminogens (AIEgens) with High Mobility and Nearâ€Infrared Emission. Advanced Functional Materials, 2018, 28, 1705609.	14.9	82

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55	Aptamer-Decorated Self-Assembled Aggregation-Induced Emission Organic Dots for Cancer Cell Targeting and Imaging. Analytical Chemistry, 2018, 90, 1063-1067.	6.5	70
56	Halobenzoquinone-mediated assembly of amino acid modified Mn-doped ZnS quantum dots for halobenzoquinones detection in drinking water. Analytica Chimica Acta, 2018, 1026, 147-154.	5.4	14
57	Protein-modified conjugated polymer nanoparticles with strong near-infrared absorption: a novel nanoplatform to design multifunctional nanoprobes for dual-modal photoacoustic and fluorescence imaging. Nanoscale, 2018, 10, 19742-19748.	5.6	17
58	Red/NIRâ€Emissive Benzo[d]imidazoleâ€Cored AIEgens: Facile Molecular Design for Wavelength Extending and In Vivo Tumor Metabolic Imaging. Advanced Materials, 2018, 30, e1805220.	21.0	106
59	Corannuleneâ€Incorporated AIE Nanodots with Highly Suppressed Nonradiative Decay for Boosted Cancer Phototheranostics In Vivo. Advanced Materials, 2018, 30, e1801065.	21.0	163
60	Exploration of biocompatible AIEgens from natural resources. Chemical Science, 2018, 9, 6497-6502.	7.4	167
61	Bright Near-Infrared Aggregation-Induced Emission Luminogens with Strong Two-Photon Absorption, Excellent Organelle Specificity, and Efficient Photodynamic Therapy Potential. ACS Nano, 2018, 12, 8145-8159.	14.6	281
62	A multifunctional luminogen with aggregation-induced emission characteristics for selective imaging and photodynamic killing of both cancer cells and Gram-positive bacteria. Journal of Materials Chemistry B, 2018, 6, 3894-3903.	5.8	60
63	Dyeâ€Anchored MnO Nanoparticles Targeting Tumor and Inducing Enhanced Phototherapy Effect via Mitochondriaâ€Mediated Pathway. Small, 2018, 14, e1801008.	10.0	58
64	Recombinant-fully-human-antibody decorated highly-stable far-red AIEdots forin vivoHER-2 receptor-targeted imaging. Chemical Communications, 2018, 54, 7314-7317.	4.1	12
65	A Simple Approach to Bioconjugation at Diverse Levels: Metal-Free Click Reactions of Activated Alkynes with Native Groups of Biotargets without Prefunctionalization. Research, 2018, 2018, 3152870.	5.7	86
66	Polyyne bridged AIE luminogens with red emission: design, synthesis, properties and applications. Journal of Materials Chemistry B, 2017, 5, 1650-1657.	5.8	50
67	Redox-responsive dextran based theranostic nanoparticles for near-infrared/magnetic resonance imaging and magnetically targeted photodynamic therapy. Biomaterials Science, 2017, 5, 762-771.	5.4	40
68	Ionization and Anionâ‹¯Ï€⁺ Interaction: A New Strategy for Structural Design of Aggregation-Induced Emission Luminogens. Journal of the American Chemical Society, 2017, 139, 16974-16979.	13.7	201
69	The synthesis of novel AIE emitters with the triphenylethene-carbazole skeleton and para-/meta-substituted arylboron groups and their application in efficient non-doped OLEDs. Journal of Materials Chemistry C, 2016, 4, 1228-1237.	5.5	46
70	Iron oxide nanoparticles protected by NIR-active multidentate-polymers as multifunctional nanoprobes for NIRF/PA/MR trimodal imaging. Nanoscale, 2016, 8, 775-779.	5.6	18
71	Neurotoxin-directed synthesis and in vitro evaluation of Au nanoclusters. RSC Advances, 2015, 5, 29647-29652.	3.6	1
72	Smart Human Serum Albumin-Indocyanine Green Nanoparticles Generated by Programmed Assembly for Dual-Modal Imaging-Guided Cancer Synergistic Phototherapy. ACS Nano, 2014, 8, 12310-12322.	14.6	632

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73	Highly Bright and Compact Alloyed Quantum Rods with Near Infrared Emitting: a Potential Multifunctional Nanoplatform for Multimodal Imaging In Vivo. Advanced Functional Materials, 2014, 24, 3897-3905.	14.9	34
74	Ultrasmall paramagnetic near infrared quantum dots as dual modal nanoprobes. RSC Advances, 2013, 3, 21247.	3.6	5
75	Click-Functionalized Compact Quantum Dots Protected by Multidentate-Imidazole Ligands: Conjugation-Ready Nanotags for Living-Virus Labeling and Imaging. Journal of the American Chemical Society, 2012, 134, 8388-8391.	13.7	133
76	Boosting the AIEgen-based photo-theranostic platform by balancing radiative decay and non-radiative decay. Materials Chemistry Frontiers, 0, , .	5.9	11