

# Zhihe Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,661  
citations

331670

21  
h-index

289244

40  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Phototherapy by Nanoparticle-Enzyme via Generation and Photolysis of Hydrogen Peroxide. Nano Letters, 2017, 17, 4323-4329.	9.1	188
2	Semiconducting Polymer Dots with Dual-Enhanced NIR-IIa Fluorescence for Through-Skull Mouse-Brain Imaging. Angewandte Chemie - International Edition, 2020, 59, 3691-3698.	13.8	171
3	Photostable and Low-Toxic Yellow-Green Carbon Dots for Highly Selective Detection of Explosive 2,4,6-Trinitrophenol Based on the Dual Electron Transfer Mechanism. ACS Applied Materials & Interfaces, 2018, 10, 13040-13047.	8.0	121
4	Mesoporous Carbon Nanospheres as a Multifunctional Carrier for Cancer Theranostics. Theranostics, 2018, 8, 663-675.	10.0	99
5	Conjugated Polymer Dots for Ultra-Stable Full-Color Fluorescence Patterning. Small, 2014, 10, 4270-4275.	10.0	78
6	Small Photoblinking Semiconductor Polymer Dots for Fluorescence Nanoscopy. Advanced Materials, 2017, 29, 1604850.	21.0	78
7	Multicolor Super-resolution Fluorescence Microscopy with Blue and Carmine Small Photoblinking Polymer Dots. ACS Nano, 2017, 11, 8084-8091.	14.6	74
8	Facile Synthesis, Macroscopic Separation, E/Z Isomerization, and Distinct AIE properties of Pure Stereoisomers of an Oxetane-Substituted Tetraphenylethene Luminogen. Chemistry of Materials, 2016, 28, 6628-6636.	6.7	71
9	Semiconducting polymer dots with bright narrow-band emission at 800 nm for biological applications. Chemical Science, 2017, 8, 3390-3398.	7.4	67
10	Photo-Cross-Linkable Polymer Dots with Stable Sensitizer Loading and Amplified Singlet Oxygen Generation for Photodynamic Therapy. ACS Applied Materials & Interfaces, 2017, 9, 3419-3431.	8.0	56
11	Multicolor Photo-Crosslinkable AIEgens toward Compact Nanodots for Subcellular Imaging and STED Nanoscopy. Small, 2017, 13, 1702128.	10.0	56
12	Luminescent CePO <sub>4</sub> :Tb colloids for H <sub>2</sub> O <sub>2</sub> and glucose sensing. Analyst, The, 2014, 139, 4547.	3.5	54
13	NIR-II Fluorescence Imaging Reveals Bone Marrow Retention of Small Polymer Nanoparticles. Nano Letters, 2021, 21, 798-805.	9.1	48
14	Bright Polymer Dots Tracking Stem Cell Engraftment and Migration to Injured Mouse Liver. Theranostics, 2017, 7, 1820-1834.	10.0	46
15	A Tunable Optofluidic Microlaser in a Photostable Conjugated Polymer. Advanced Materials, 2018, 30, e1804556.	21.0	44
16	Full-colour carbon dots: integration of multiple emission centres into single particles. Nanoscale, 2017, 9, 13326-13333.	5.6	31
17	Brightness Enhancement of Near-Infrared Semiconducting Polymer Dots for in Vivo Whole-Body Cell Tracking in Deep Organs. ACS Applied Materials & Interfaces, 2018, 10, 26928-26935.	8.0	30
18	Semiconducting Polymer Dots with Dual-Enhanced NIR-IIa Fluorescence for Through-Skull Mouse-Brain Imaging. Angewandte Chemie, 2020, 132, 3720-3727.	2.0	30

#	ARTICLE	IF	CITATIONS
19	Fluorescent Bioconjugates for Super-Resolution Optical Nanoscopy. <i>Bioconjugate Chemistry</i> , 2020, 31, 1857-1872.	3.6	30
20	Brightness calibrates particle size in single particle fluorescence imaging. <i>Optics Letters</i> , 2015, 40, 1242.	3.3	26
21	Dual Stimuli-Responsive Inks Based on Orthogonal Upconversion Three-Primary-Color Luminescence for Advanced Anticounterfeiting Applications. , 2022, 4, 1306-1313.		24
22	Near-Infrared Polymer Dots with Aggregation-Induced Emission for Tumor Imaging. <i>ACS Applied Polymer Materials</i> , 2020, 2, 74-79.	4.4	23
23	Synthesis of porous upconverting luminescence $\text{NaYF}_4:\text{Ln}^{3+}$ microspheres and their potential applications as carriers. <i>Dalton Transactions</i> , 2014, 43, 3681-3690.	3.3	21
24	Semiconducting Polymer Dots with Modulated Photoblinking for High-Order Super-Resolution Optical Fluctuation Imaging. <i>Advanced Optical Materials</i> , 2019, 7, 1900007.	7.3	18
25	Expansion Microscopy with Multifunctional Polymer Dots. <i>Advanced Materials</i> , 2021, 33, e2007854.	21.0	18
26	Enhanced single-particle brightness and photostability of semiconductor polymer dots by enzymatic oxygen scavenging system. <i>Optical Materials</i> , 2016, 62, 1-6.	3.6	17
27	Compact Conjugated Polymer Dots with Covalently Incorporated Metalloporphyrins for Hypoxia Bioimaging. <i>ChemBioChem</i> , 2019, 20, 521-525.	2.6	17
28	Bioconjugation of IgG Secondary Antibodies to Polymer Dots for Multicolor Subcellular Imaging. <i>ACS Applied Nano Materials</i> , 2020, 3, 2214-2220.	5.0	17
29	Multilayered upconversion nanocomposites with dual photosensitizing functions for enhanced photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8169-8177.	5.8	14
30	Cooperative Blinking from Dye Ensemble Activated by Energy Transfer for Super-resolution Cellular Imaging. <i>Analytical Chemistry</i> , 2019, 91, 4179-4185.	6.5	14
31	Narrow-band polymer dots with pronounced fluorescence fluctuations for dual-color super-resolution imaging. <i>Nanoscale</i> , 2020, 12, 7522-7526.	5.6	14
32	Silica-encapsulated semiconductor polymer dots as stable phosphors for white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7281-7285.	5.5	13
33	Conjugated polymer dots for biocompatible siRNA delivery. <i>New Journal of Chemistry</i> , 2019, 43, 14443-14449.	2.8	10
34	Long-Term <i>In Vivo</i> Glucose Monitoring by Polymer-Dot Transducer in an Injectable Hydrogel Implant. <i>Analytical Chemistry</i> , 2022, 94, 2195-2203.	6.5	9
35	A biodegradable nano-photosensitizer with photoactivatable singlet oxygen generation for synergistic phototherapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 4826-4831.	5.8	8
36	FRET acceptor suppressed single-particle photobleaching in semiconductor polymer dots. <i>Optics Letters</i> , 2016, 41, 2370.	3.3	7

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37	Silver Nanowire-Induced Sensitivity Enhancement of Optical Oxygen Sensors Based on AgNWsâ€Palladium Octaethylporphineâ€Poly(methyl methacrylate) Microfiber Mats Prepared by Electrospinning. ACS Omega, 2018, 3, 5669-5677.	3.5	7
38	Bright green-emitting hydrophilic conjugated polymer nanoparticles with different surface charges for cellular imaging. Journal of Materials Science, 2017, 52, 8465-8471.	3.7	4
39	Semiconductor Polymer Dots: Small Photoblinking Semiconductor Polymer Dots for Fluorescence Nanoscopy (Adv. Mater. 5/2017). Advanced Materials, 2017, 29, .	21.0	3
40	Multicolor Photoacoustic Volumetric Imaging of Subcellular Structures. ACS Nano, 2022, 16, 3231-3238.	14.6	3
41	Imaging Fast Cellular Uptake of Polymer Dots via Receptor-Mediated Endocytosis. Journal of Analysis and Testing, 2018, 2, 61-68.	5.1	2
42	Organic Nanodots for Superresolution Optical Imaging. , 2017, , .		0