

Haobin Chen

List of Publications by Year in descending order

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48
papers

1,843
citations

257450

24
h-index

265206

42
g-index

48
all docs

48
docs citations

48
times ranked

2715
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing the Long-Term Stability of a Polymer Dot Glucose Transducer by Using an Enzymatic Cascade Reaction System. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001019.	7.6	18
2	Second near-infrared photoactivatable biocompatible polymer nanoparticles for effective <i>in vitro</i> and <i>in vivo</i> cancer theranostics. <i>Nanoscale</i> , 2021, 13, 13410-13420.	5.6	11
3	Nanoscale Metal-Organic Frameworks as Fluorescence Sensors for Food Safety. <i>Antibiotics</i> , 2021, 10, 358.	3.7	18
4	Multimode Time-Resolved Superresolution Microscopy Revealing Chain Packing and Anisotropic Single Carrier Transport in Conjugated Polymer Nanowires. <i>Nano Letters</i> , 2021, 21, 4255-4261.	9.1	13
5	Reversible Ratiometric NADH Sensing Using Semiconducting Polymer Dots. <i>Angewandte Chemie</i> , 2021, 133, 12114-12119.	2.0	8
6	Reversible Ratiometric NADH Sensing Using Semiconducting Polymer Dots. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12007-12012.	13.8	37
7	High-Throughput Counting and Superresolution Mapping of Tetraspanins on Exosomes Using a Single-Molecule Sensitive Flow Technique and Transistor-Like Semiconducting Polymer Dots. <i>Angewandte Chemie</i> , 2021, 133, 13582-13587.	2.0	5
8	High-Throughput Counting and Superresolution Mapping of Tetraspanins on Exosomes Using a Single-Molecule Sensitive Flow Technique and Transistor-Like Semiconducting Polymer Dots. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13470-13475.	13.8	27
9	Monitoring Metabolites Using an NAD(P) ^H -sensitive Polymer Dot and a Metabolite-Specific Enzyme. <i>Angewandte Chemie</i> , 2021, 133, 19480-19485.	2.0	8
10	Monitoring Metabolites Using an NAD(P) ^H -sensitive Polymer Dot and a Metabolite-Specific Enzyme. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19331-19336.	13.8	19
11	Highly Efficient and Robust Broadband Nano-VO ₂ (M) Saturable Absorber for Nonlinear Optics and Ultrafast Photonics. <i>Advanced Optical Materials</i> , 2021, 9, 2100795.	7.3	28
12	Improving the Accuracy of Pdot-Based Continuous Glucose Monitoring by Using External Ratiometric Calibration. <i>Analytical Chemistry</i> , 2021, 93, 2359-2366.	6.5	11
13	Thermosensitive Polymer Dot Nanocomposites for Trimodal Computed Tomography/Photoacoustic/Fluorescence Imaging-Guided Synergistic Chemo-Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 51174-51184.	8.0	23
14	Dual-Mode Superresolution Imaging Using Charge Transfer Dynamics in Semiconducting Polymer Dots. <i>Angewandte Chemie</i> , 2020, 132, 16307-16314.	2.0	4
15	Dual-Mode Superresolution Imaging Using Charge Transfer Dynamics in Semiconducting Polymer Dots. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16173-16180.	13.8	27
16	Semiconducting polymer dots as broadband saturable absorbers for Q-switched fiber lasers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4919-4925.	5.5	23
17	Ultrasmall Semiconducting Polymer Dots with Rapid Clearance for Second Near-Infrared Photoacoustic Imaging and Photothermal Cancer Therapy. <i>Advanced Functional Materials</i> , 2020, 30, 1909673.	14.9	107
18	Passively Mode-Locked Operations Induced by Semiconducting Polymer Nanoparticles and a Side-Polished Fiber. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57461-57467.	8.0	25

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19	Conjugated polymer dots for biocompatible siRNA delivery. <i>New Journal of Chemistry</i> , 2019, 43, 14443-14449.	2.8	10
20	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
21	Near-Infrared Broadband Polymer-Dot Modulator with High Optical Nonlinearity for Ultrafast Pulsed Lasers. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800326.	8.7	28
22	Compact Conjugated Polymer Dots with Covalently Incorporated Metalloporphyrins for Hypoxia Bioimaging. <i>ChemBioChem</i> , 2019, 20, 521-525.	2.6	17
23	Therapeutic Considerations and Conjugated Polymer-Based Photosensitizers for Photodynamic Therapy. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700614.	3.9	67
24	Fabrication and photoelectric properties of bio-inspired honeycomb film based on semiconducting polymer. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 1-6.	9.4	11
25	An ultra-small thermosensitive nanocomposite with a Mo ₁₅₄ -core as a comprehensive platform for NIR-triggered photothermal-chemotherapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 241-248.	5.8	37
26	Enhanced bandwidth of white light communication using nanomaterial phosphors. <i>Nanotechnology</i> , 2018, 29, 455708.	2.6	21
27	Mesoporous Carbon Nanospheres as a Multifunctional Carrier for Cancer Theranostics. <i>Theranostics</i> , 2018, 8, 663-675.	10.0	99
28	Brightness Enhancement of Near-Infrared Semiconducting Polymer Dots for in Vivo Whole-Body Cell Tracking in Deep Organs. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26928-26935.	8.0	30
29	Semiconducting Polymer Nanocavities: Porogenic Synthesis, Tunable Host-Guest Interactions, and Enhanced Drug/siRNA Delivery. <i>Small</i> , 2018, 14, e1800239.	10.0	34
30	Mesoporous Carbon Nanospheres as Broadband Saturable Absorbers for Pulsed Laser Generation. <i>Advanced Optical Materials</i> , 2018, 6, 1800606.	7.3	23
31	Photo-Cross-Linkable Polymer Dots with Stable Sensitizer Loading and Amplified Singlet Oxygen Generation for Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3419-3431.	8.0	56
32	Semiconducting polymer dots with bright narrow-band emission at 800 nm for biological applications. <i>Chemical Science</i> , 2017, 8, 3390-3398.	7.4	67
33	Facile fabrication of TiO ₂ /Graphene composite foams with enhanced photocatalytic properties. <i>Journal of Alloys and Compounds</i> , 2017, 703, 251-257.	5.5	28
34	Real-Time Imaging of Endocytosis and Intracellular Trafficking of Semiconducting Polymer Dots. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21200-21208.	8.0	36
35	Enhanced Phototherapy by Nanoparticle-Enzyme via Generation and Photolysis of Hydrogen Peroxide. <i>Nano Letters</i> , 2017, 17, 4323-4329.	9.1	188
36	OCT imaging detection of brain blood vessels in mouse, based on semiconducting polymer nanoparticles. <i>Analyst</i> , The, 2017, 142, 4503-4510.	3.5	9

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37	Multicolor Photo-Crosslinkable AIEgens toward Compact Nanodots for Subcellular Imaging and STED Nanoscopy. <i>Small</i> , 2017, 13, 1702128.	10.0	56
38	Light-Induced PEGylation and Functionalization of Semiconductor Polymer Dots. <i>ChemNanoMat</i> , 2017, 3, 755-759.	2.8	10
39	Highly absorbing multispectral near-infrared polymer nanoparticles from one conjugated backbone for photoacoustic imaging and photothermal therapy. <i>Biomaterials</i> , 2017, 144, 42-52.	11.4	107
40	A PIID-DTBT based semi-conducting polymer dots with broad and strong optical absorption in the visible-light region: Highly effective contrast agents for multiscale and multi-spectral photoacoustic imaging. <i>Nano Research</i> , 2017, 10, 64-76.	10.4	36
41	Facile Synthesis, Macroscopic Separation, E/Z Isomerization, and Distinct AIE properties of Pure Stereoisomers of an Oxetane-Substituted Tetraphenylethene Luminogen. <i>Chemistry of Materials</i> , 2016, 28, 6628-6636.	6.7	71
42	White light-emitting diodes of high color rendering index with polymer dot phosphors. <i>RSC Advances</i> , 2016, 6, 106225-106229.	3.6	7
43	Three-dimensional free-standing ZnO/graphene composite foam for photocurrent generation and photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2016, 187, 367-374.	20.2	100
44	Nanoparticle Probes for Structural and Functional Photoacoustic Molecular Tomography. <i>BioMed Research International</i> , 2015, 2015, 1-11.	1.9	23
45	Covalent Patterning and Rapid Visualization of Latent Fingerprints with Photo-Cross-Linkable Semiconductor Polymer Dots. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14477-14484.	8.0	77
46	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
47	Conjugated Polymer Dots for Ultra-Stable Full-Color Fluorescence Patterning. <i>Small</i> , 2014, 10, 4270-4275.	10.0	78
48	Size-Dependent Property and Cell Labeling of Semiconducting Polymer Dots. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 10802-10812.	8.0	74