

Chunlei Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

3,916
citations

185998

28
h-index

174990

52
g-index

58
all docs

58
docs citations

58
times ranked

5575
citing authors

#	ARTICLE	IF	CITATIONS
1	Water-Soluble Conjugated Polymers for Imaging, Diagnosis, and Therapy. <i>Chemical Reviews</i> , 2012, 112, 4687-4735.	23.0	1,073
2	Multifunctional Cationic Poly(<i>p</i> -phenylene vinylene) Polyelectrolytes for Selective Recognition, Imaging, and Killing of Bacteria Over Mammalian Cells. <i>Advanced Materials</i> , 2011, 23, 4805-4810.	11.1	255
3	Aggregation-Induced Emission: A Trailblazing Journey to the Field of Biomedicine. <i>ACS Applied Bio Materials</i> , 2018, 1, 1768-1786.	2.3	219
4	Aggregation-Induced Emission Luminogen with Near-Infrared-II Excitation and Near-Infrared-I Emission for Ultradeep Intravital Two-Photon Microscopy. <i>ACS Nano</i> , 2018, 12, 7936-7945.	7.3	193
5	Self-Reporting and Photothermally Enhanced Rapid Bacterial Killing on a Laser-Induced Graphene Mask. <i>ACS Nano</i> , 2020, 14, 12045-12053.	7.3	191
6	A Hybrid Nanomaterial for the Controlled Generation of Free Radicals and Oxidative Destruction of Hypoxic Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8801-8804.	7.2	179
7	A Eutectic Mixture of Natural Fatty Acids Can Serve as the Gating Material for Near-Infrared-Triggered Drug Release. <i>Advanced Materials</i> , 2017, 29, 1703702.	11.1	159
8	Facile Synthesis of Silver Nanocubes with Sharp Corners and Edges in an Aqueous Solution. <i>ACS Nano</i> , 2016, 10, 9861-9870.	7.3	149
9	Inverse Opal Scaffolds and Their Biomedical Applications. <i>Advanced Materials</i> , 2017, 29, 1701115.	11.1	127
10	A Sensitive and Reliable Organic Fluorescent Nanothermometer for Noninvasive Temperature Sensing. <i>Journal of the American Chemical Society</i> , 2021, 143, 14147-14157.	6.6	84
11	Integration of Phase-Change Materials with Electrospun Fibers for Promoting Neurite Outgrowth under Controlled Release. <i>Advanced Functional Materials</i> , 2018, 28, 1705563.	7.8	82
12	Design and Fabrication of a Hierarchically Structured Scaffold for Tendon-Bone Repair. <i>Advanced Materials</i> , 2018, 30, e1707306.	11.1	82
13	Combination cancer treatment through photothermally controlled release of selenous acid from gold nanocages. <i>Biomaterials</i> , 2018, 178, 517-526.	5.7	79
14	Conjugated Polymer-Coated Bacteria for Multimodal Intracellular and Extracellular Anticancer Activity. <i>Advanced Materials</i> , 2013, 25, 1203-1208.	11.1	73
15	Enhancing the Mechanical Properties of Electrospun Nanofiber Mats through Controllable Welding at the Cross Points. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600723.	2.0	73
16	Differentiation of Bone Marrow Stem Cells into Schwann Cells for the Promotion of Neurite Outgrowth on Electrospun Fibers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12299-12310.	4.0	64
17	Rapid, Simple, and High-Throughput Antimicrobial Susceptibility Testing and Antibiotics Screening. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9607-9610.	7.2	59
18	A potent fluorescent probe for the detection of cell apoptosis. <i>Chemical Communications</i> , 2011, 47, 5524-5526.	2.2	46

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19	General Method for Generating Circular Gradients of Active Proteins on Nanofiber Scaffolds Sought for Wound Closure and Related Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8536-8545.	4.0	43
20	Biomimetics: reconstitution of low-density lipoprotein for targeted drug delivery and related theranostic applications. <i>Chemical Society Reviews</i> , 2017, 46, 7668-7682.	18.7	42
21	Bringing Inherent Charges into Aggregation-Induced Emission Research. <i>Accounts of Chemical Research</i> , 2022, 55, 197-208.	7.6	40
22	Reconstitution of Low-Density Lipoproteins with Fatty Acids for the Targeted Delivery of Drugs into Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10399-10402.	7.2	39
23	Near-Infrared-Triggered Release of Ca ²⁺ Ions for Potential Application in Combination Cancer Therapy. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801113.	3.9	39
24	Visual optical discrimination and detection of microbial pathogens based on diverse interactions of conjugated polyelectrolytes with cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 7905.	6.7	38
25	Synthesis of a new conjugated polymer for cell membrane imaging by using an intracellular targeting strategy. <i>Polymer Chemistry</i> , 2013, 4, 5212.	1.9	38
26	Augmenting Tendon-Bone Repair with Functionally Graded Scaffolds. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002269.	3.9	34
27	Promoting the Outgrowth of Neurites on Electrospun Microfibers by Functionalization with Electrospayed Microparticles of Fatty Acids. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3948-3951.	7.2	32
28	Inverse Opal Scaffolds with Gradations in Mineral Content for Spatial Control of Osteogenesis. <i>Advanced Materials</i> , 2018, 30, e1706706.	11.1	30
29	Continuous processing of phase-change materials into uniform nanoparticles for near-infrared-triggered drug release. <i>Nanoscale</i> , 2018, 10, 22312-22318.	2.8	29
30	Heteroaromatic Hyperbranched Polyelectrolytes: Multicomponent Polyannulation and Photodynamic Biopatterning. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19222-19231.	7.2	29
31	Transporting mitochondrion-targeting photosensitizers into cancer cells by low-density lipoproteins for fluorescence-feedback photodynamic therapy. <i>Nanoscale</i> , 2021, 13, 1195-1205.	2.8	28
32	Micropatterning of the Ferroelectric Phase in a Poly(vinylidene difluoride) Film by Plasmonic Heating with Gold Nanocages. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13828-13832.	7.2	23
33	Surgical Sutures with Porous Sheaths for the Sustained Release of Growth Factors. <i>Advanced Materials</i> , 2016, 28, 4620-4624.	11.1	23
34	An Exceptional Broad-Spectrum Nanobiocide for Multimodal and Synergistic Inactivation of Drug-Resistant Bacteria. <i>CCS Chemistry</i> , 2022, 4, 272-285.	4.6	21
35	A Hybrid Nanomaterial for the Controlled Generation of Free Radicals and Oxidative Destruction of Hypoxic Cancer Cells. <i>Angewandte Chemie</i> , 2017, 129, 8927-8930.	1.6	19
36	Evaluation the binding of chelerythrine, a potentially harmful toxin, with bovine serum albumin. <i>Food and Chemical Toxicology</i> , 2020, 135, 110933.	1.8	19

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37	Composition formulae of ideal metallic glasses and their relevant eutectics established by a cluster-resonance model. <i>Philosophical Magazine</i> , 2011, 91, 2404-2418.	0.7	18
38	Profiling the interaction of Al(III)-GFLX complex, a potential pollution risk, with bovine serum albumin. <i>Food and Chemical Toxicology</i> , 2020, 136, 111058.	1.8	18
39	Bridging Dâ€A type photosensitizers with the azo group to boost intersystem crossing for efficient photodynamic therapy. <i>Chemical Science</i> , 2022, 13, 4139-4149.	3.7	18
40	A receptor-targeting AIE photosensitizer for selective bacterial killing and real-time monitoring of photodynamic therapy outcome. <i>Chemical Communications</i> , 2022, 58, 7058-7061.	2.2	17
41	Tissue Regeneration: Design and Fabrication of a Hierarchically Structured Scaffold for Tendonâ€™s Bone Repair (<i>Adv. Mater.</i> 16/2018). <i>Advanced Materials</i> , 2018, 30, 1870116.	11.1	15
42	Bringing naturally-occurring saturated fatty acids into biomedical research. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6973-6987.	2.9	13
43	Polarity-Sensitive Fluorescent Probe for Reflecting the Packing Degree of Bacterial Membrane Lipids. <i>Analytical Chemistry</i> , 2022, 94, 3303-3312.	3.2	12
44	Micropatterning of the Ferroelectric Phase in a Poly(vinylidene difluoride) Film by Plasmonic Heating with Gold Nanocages. <i>Angewandte Chemie</i> , 2016, 128, 14032-14036.	1.6	11
45	Synthesis of a Bifunctional Fluorescent Polymer for Cell Imaging and Enzyme Detection. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 2486-2491.	1.1	9
46	Self-assembly of virulent amyloid-derived peptides into nanoantibacterials. <i>Nanoscale</i> , 2021, 13, 9864-9872.	2.8	8
47	Micropatterned Polymer Nanorod Forests and Their Use for Dual Drug Loading and Regulation of Cell Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34194-34197.	4.0	6
48	Reconstitution of Lowâ€Density Lipoproteins with Fatty Acids for the Targeted Delivery of Drugs into Cancer Cells. <i>Angewandte Chemie</i> , 2017, 129, 10535-10538.	1.6	6
49	Promoting the Outgrowth of Neurites on Electrospun Microfibers by Functionalization with Electrospayed Microparticles of Fatty Acids. <i>Angewandte Chemie</i> , 2019, 131, 3988-3991.	1.6	5
50	Heteroaromatic Hyperbranched Polyelectrolytes: Multicomponent Polyannulation and Photodynamic Biopatterning. <i>Angewandte Chemie</i> , 2021, 133, 19371-19380.	1.6	2
51	Biomedical Applications: Multifunctional Cationic Poly(4-vinylphenylene vinylene) Polyelectrolytes for Selective Recognition, Imaging, and Killing of Bacteria Over Mammalian Cells (<i>Adv. Mater.</i> 41/2011). <i>Advanced Materials</i> , 2011, 23, 4804-4804.	11.1	0
52	RÃ¼cktitelbild: Micropatterning of the Ferroelectric Phase in a Poly(vinylidene difluoride) Film by Plasmonic Heating with Gold Nanocages (<i>Angew. Chem.</i> 44/2016). <i>Angewandte Chemie</i> , 2016, 128, 14104-14104.	1.6	0
53	RÃ¼cktitelbild: A Hybrid Nanomaterial for the Controlled Generation of Free Radicals and Oxidative Destruction of Hypoxic Cancer Cells (<i>Angew. Chem.</i> 30/2017). <i>Angewandte Chemie</i> , 2017, 129, 9030-9030.	1.6	0
54	InnenrÃ¼cktitelbild: Heteroaromatic Hyperbranched Polyelectrolytes: Multicomponent Polyannulation and Photodynamic Biopatterning (<i>Angew. Chem.</i> 35/2021). <i>Angewandte Chemie</i> , 2021, 133, 19643-19643.	1.6	0