

Jiajing Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

3,736
citations

201674

27
h-index

128289

60
g-index

66
all docs

66
docs citations

66
times ranked

5000
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasml gold nanorod-polydopamine hybrids for enhanced photoacoustic imaging and photothermal therapy in second near-infrared window. <i>Nanotheranostics</i> , 2022, 6, 79-90.	5.2	19
2	A fiber optic photoacoustic sensor for real-time heparin monitoring. <i>Biosensors and Bioelectronics</i> , 2022, 196, 113692.	10.1	9
3	Peptidic Sulfhydryl for Interfacing Nanocrystals and Subsequent Sensing of SARS-CoV-2 Protease. <i>Chemistry of Materials</i> , 2022, 34, 1259-1268.	6.7	16
4	A Charge-Switchable Zwitterionic Peptide for Rapid Detection of SARS-CoV-2 Main Protease. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	1
5	Bioresponsive Polyphenol-Based Nanoparticles as Thrombolytic Drug Carriers. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 3740-3751.	8.0	17
6	A Charge-Switchable Zwitterionic Peptide for Rapid Detection of SARS-CoV-2 Main Protease. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	54
7	Assembly of Bioactive Nanoparticles via Metal-Phenolic Complexation. <i>Advanced Materials</i> , 2022, 34, e2108624.	21.0	34
8	One-Step Supramolecular Multifunctional Coating on Plant Virus Nanoparticles for Bioimaging and Therapeutic Applications. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 13692-13702.	8.0	21
9	Supramolecular Assembly of Multifunctional Collagen Nanocomposite Film via Polyphenol-Coordinated Clay Nanoplatelets. <i>ACS Applied Bio Materials</i> , 2022, 5, 1319-1329.	4.6	4
10	Peptide-Induced Fractal Assembly of Silver Nanoparticles for Visual Detection of Disease Biomarkers. <i>ACS Nano</i> , 2022, 16, 6165-6175.	14.6	25
11	Enhanced Photoacoustic Detection of Heparin in Whole Blood <i>via</i> Melanin Nanocapsules Carrying Molecular Agents. <i>ACS Nano</i> , 2022, 16, 683-693.	14.6	19
12	Photoacoustic Enhancement of Ferricyanide-Treated Silver Chalcogenide-Coated Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7605-7614.	3.1	4
13	Protein precoating modulates biomolecular coronas and nanocapsule-immune cell interactions in human blood. <i>Journal of Materials Chemistry B</i> , 2022, 10, 7607-7621.	5.8	9
14	Site-Selective Coordination Assembly of Dynamic Metal-Phenolic Networks. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	18
15	Role of Molecular Interactions in Supramolecular Polypeptide-Polyphenol Networks for Engineering Functional Materials. <i>Journal of the American Chemical Society</i> , 2022, 144, 12510-12519.	13.7	19
16	Phenolic-enabled nanotechnology: versatile particle engineering for biomedicine. <i>Chemical Society Reviews</i> , 2021, 50, 4432-4483.	38.1	163
17	Programmable Phototaxis of Metal-Phenolic Particle Microswimmers. <i>Advanced Materials</i> , 2021, 33, e2006177.	21.0	16
18	Gold Nanorod-Melanin Hybrids for Enhanced and Prolonged Photoacoustic Imaging in the Near-Infrared-II Window. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14974-14984.	8.0	43

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19	Metal-Phenolic Networks as Tunable Buffering Systems. <i>Chemistry of Materials</i> , 2021, 33, 2557-2566.	6.7	21
20	Hydro-Expandable Calcium Phosphate Micro/Nano-Particles with Controllable Size and Morphology for Mechanical Ablation. <i>ACS Applied Nano Materials</i> , 2021, 4, 3877-3886.	5.0	3
21	Influence of Poly(ethylene glycol) Molecular Architecture on Particle Assembly and <i>Ex Vivo</i> Particle-Immune Cell Interactions in Human Blood. <i>ACS Nano</i> , 2021, 15, 10025-10038.	14.6	27
22	Quantitatively Tracking Bio-Nano Interactions of Metal-Phenolic Nanocapsules by Mass Cytometry. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 35494-35505.	8.0	9
23	Mapping Aerosolized Saliva on Face Coverings for Biosensing Applications. <i>Analytical Chemistry</i> , 2021, 93, 11025-11032.	6.5	18
24	Stereoselective Growth of Small Molecule Patches on Nanoparticles. <i>Journal of the American Chemical Society</i> , 2021, 143, 12138-12144.	13.7	30
25	The Application of Organic Nanomaterials for Bioimaging, Drug Delivery, and Therapy: Spanning Various Domains. <i>IEEE Nanotechnology Magazine</i> , 2021, 15, 8-28.	1.3	16
26	Robust and Versatile Coatings Engineered via Simultaneous Covalent and Noncovalent Interactions. <i>Angewandte Chemie</i> , 2021, 133, 20387-20392.	2.0	2
27	Robust and Versatile Coatings Engineered via Simultaneous Covalent and Noncovalent Interactions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20225-20230.	13.8	14
28	Luminescent Metal-Phenolic Networks for Multicolor Particle Labeling. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24968-24975.	13.8	27
29	Modulation of Gold Nanorod Growth via the Proteolysis of Dithiol Peptides for Enzymatic Biomarker Detection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45236-45243.	8.0	15
30	Versatile Polymer Nanocapsules via Redox Competition. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26357-26362.	13.8	15
31	Metal-organic frameworks nanoswitch: Toward photo-controllable endo/lysosomal rupture and release for enhanced cancer RNA interference. <i>Nano Research</i> , 2020, 13, 238-245.	10.4	42
32	Ordered Mesoporous Metal-Phenolic Network Particles. <i>Journal of the American Chemical Society</i> , 2020, 142, 335-341.	13.7	85
33	Polyphenol-Based Nanoparticles for Intracellular Protein Delivery <i>via</i> Competing Supramolecular Interactions. <i>ACS Nano</i> , 2020, 14, 12972-12981.	14.6	56
34	Particle engineering enabled by polyphenol-mediated supramolecular networks. <i>Nature Communications</i> , 2020, 11, 4804.	12.8	65
35	A synergistic optical strategy for enhanced deep-tumor penetration and therapy in the second near-infrared window. <i>Materials Horizons</i> , 2020, 7, 2929-2935.	12.2	33
36	Programmable Permeability of Metal-Phenolic Network Microcapsules. <i>Chemistry of Materials</i> , 2020, 32, 6975-6982.	6.7	38

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37	Template-Mediated Assembly of DNA into Microcapsules for Immunological Modulation. <i>Small</i> , 2020, 16, e2002750.	10.0	25
38	Polyphenol-Mediated Assembly for Particle Engineering. <i>Accounts of Chemical Research</i> , 2020, 53, 1269-1278.	15.6	244
39	Hierarchical Graphene/Metal-Organic Framework Composites with Tailored Wettability for Separation of Immiscible Liquids. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35563-35571.	8.0	16
40	Polyphenol-Mediated Assembly of Proteins for Engineering Functional Materials. <i>Angewandte Chemie</i> , 2020, 132, 15748-15755.	2.0	17
41	Polyphenol-Mediated Assembly of Proteins for Engineering Functional Materials. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15618-15625.	13.8	138
42	Mesoporous polydopamine with built-in plasmonic core: Traceable and NIR triggered delivery of functional proteins. <i>Biomaterials</i> , 2020, 238, 119847.	11.4	54
43	Mussel-Inspired Dual-Superlyophobic Biomass Membranes for Selective Oil/Water Separation. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901756.	3.7	25
44	Nanoengineering multifunctional hybrid interfaces using adhesive glycogen nanoparticles. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4851-4858.	5.8	10
45	Engineering Biocoatings To Prolong Drug Release from Supraparticles. <i>Biomacromolecules</i> , 2019, 20, 3425-3434.	5.4	20
46	Bioinspired Production of Noniridescent Structural Colors by Adhesive Melanin-like Particles. <i>Langmuir</i> , 2019, 35, 9878-9884.	3.5	19
47	Functional Macromolecule-Enabled Colloidal Synthesis: From Nanoparticle Engineering to Multifunctionality. <i>Advanced Materials</i> , 2019, 31, e1902733.	21.0	25
48	Ricocheting Droplets Moving on Super-Repellent Surfaces. <i>Advanced Science</i> , 2019, 6, 1901846.	11.2	20
49	Metal-Phenolic Coatings as a Platform to Trigger Endosomal Escape of Nanoparticles. <i>ACS Nano</i> , 2019, 13, 11653-11664.	14.6	128
50	Responsive Amorphous Photonic Structures of Spherical/Polyhedral Colloidal Metal-Organic Frameworks. <i>Advanced Optical Materials</i> , 2019, 7, 1900522.	7.3	27
51	Selective Metal-Phenolic Assembly from Complex Multicomponent Mixtures. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17714-17721.	8.0	27
52	Self-Assembly of Polymer-Coated Plasmonic Nanocrystals: From Synthetic Approaches to Practical Applications. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800613.	3.9	11
53	In Vitro and In Vivo Photothermal Cancer Therapeutic Effects of Gold Nanorods Modified with Mushroom β -Glucan. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4091-4098.	5.2	39
54	Compact Plasmonic Blackbody for Cancer Theranosis in the Near-Infrared II Window. <i>ACS Nano</i> , 2018, 12, 2643-2651.	14.6	294

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55	Magnetic nanochain integrated microfluidic biochips. <i>Nature Communications</i> , 2018, 9, 1743.	12.8	94
56	Stable and Biocompatible Mushroom Î ² -Glucan Modified Gold Nanorods for Cancer Photothermal Therapy. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 9529-9536.	5.2	30
57	Polydopamine-Enabled Approach toward Tailored Plasmonic Nanogapped Nanoparticles: From Nanogap Engineering to Multifunctionality. <i>ACS Nano</i> , 2016, 10, 11066-11075.	14.6	109
58	Robust Nanoparticleâ€“DNA Conjugates Based on Mussel-Inspired Polydopamine Coating for Cell Imaging and Tailored Self-Assembly. <i>Bioconjugate Chemistry</i> , 2016, 27, 815-823.	3.6	39
59	Versatile Coreâ€“Shell Nanoparticle@Metalâ€“Organic Framework Nanohybrids: Exploiting Mussel-Inspired Polydopamine for Tailored Structural Integration. <i>ACS Nano</i> , 2015, 9, 6951-6960.	14.6	223
60	Multifunctional Magnetic Nanochains: Exploiting Self-Polymerization and Versatile Reactivity of Mussel-Inspired Polydopamine. <i>Chemistry of Materials</i> , 2015, 27, 3071-3076.	6.7	81
61	Interfacial Assembly of Musselâ€“Inspired Au@Ag@ Polydopamine Coreâ€“Shell Nanoparticles for Recyclable Nanocatalysts. <i>Advanced Materials</i> , 2014, 26, 701-705.	21.0	196
62	SERS-Encoded Nanogapped Plasmonic Nanoparticles: Growth of Metallic Nanoshell by Templating Redox-Active Polymer Brushes. <i>Journal of the American Chemical Society</i> , 2014, 136, 6838-6841.	13.7	174
63	Mussel-Inspired Synthesis of Polydopamine-Functionalized Graphene Hydrogel as Reusable Adsorbents for Water Purification. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 425-432.	8.0	633
64	Versatile Polymer Nanocapsules via Redox Competition. <i>Angewandte Chemie</i> , 0, , .	2.0	4
65	Luminescent Metalâ€“Phenolic Networks for Multicolor Particle Labeling. <i>Angewandte Chemie</i> , 0, , .	2.0	4
66	Siteâ€“Selective Coordination Assembly of Dynamic Metalâ€“Phenolic Networks. <i>Angewandte Chemie</i> , 0, , .	2.0	3