

Aixin Song

List of Publications by Year in descending order

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papers

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117625

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96
docs citations

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times ranked

3573
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable Amphiphilicity and Multifunctional Applications of Ionic-Liquid-Modified Carbon Quantum Dots. ACS Applied Materials & Interfaces, 2015, 7, 6919-6925.	8.0	118
2	An injectable hydrogel using an immunomodulating gelator for amplified tumor immunotherapy by blocking the arginase pathway. Acta Biomaterialia, 2021, 124, 179-190.	8.3	115
3	Rational design of a minimalist nanoplatform to maximize immunotherapeutic efficacy: Four birds with one stone. Journal of Controlled Release, 2020, 328, 617-630.	9.9	112
4	An Onion Phase in Salt-Free Zero-Charged Catanionic Surfactant Solutions. Angewandte Chemie - International Edition, 2005, 44, 4018-4021.	13.8	100
5	Disulfide-Linked Amphiphilic Polymer-Docetaxel Conjugates Assembled Redox-Sensitive Micelles for Efficient Antitumor Drug Delivery. Biomacromolecules, 2016, 17, 1621-1632.	5.4	94
6	Site-specific MOF-based immunotherapeutic nanoplatforms via synergistic tumor cells-targeted treatment and dendritic cells-targeted immunomodulation. Biomaterials, 2020, 245, 119983.	11.4	94
7	A Three-in-One Immunotherapy Nanoweapon via Cascade-Amplifying Cancer-Immunity Cycle against Tumor Metastasis, Relapse, and Postsurgical Regrowth. Nano Letters, 2019, 19, 6647-6657.	9.1	92
8	Rational Design of IR820 and Ce6-Based Versatile Micelle for Single NIR Laser-Induced Imaging and Dual-Modal Phototherapy. Small, 2018, 14, e1802994.	10.0	81
9	Cold to Hot: Rational Design of a Minimalist Multifunctional Photo-immunotherapy Nanoplatform toward Boosting Immunotherapy Capability. ACS Applied Materials & Interfaces, 2019, 11, 32633-32646.	8.0	77
10	Injectable and Sprayable Polyphenol-Based Hydrogels for Controlling Hemostasis. ACS Applied Bio Materials, 2020, 3, 1258-1266.	4.6	66
11	Room-Temperature Super Hydrogel as Dye Adsorption Agent. Journal of Physical Chemistry B, 2012, 116, 12850-12856.	2.6	58
12	Self-Assembled Aggregates Originated from the Balance of Hydrogen-Bonding, Electrostatic, and Hydrophobic Interactions. Langmuir, 2012, 28, 219-226.	3.5	55
13	Redox-sensitive micelles assembled from amphiphilic mPEG-PCL-SS-DTX conjugates for the delivery of docetaxel. Colloids and Surfaces B: Biointerfaces, 2016, 142, 89-97.	5.0	51
14	Controllable hierarchical self-assembly of porphyrin-derived supra-amphiphiles. Nature Communications, 2019, 10, 1399.	12.8	51
15	Two Routes to Vesicle Formation: Metal-Ligand Complexation and Ionic Interactions. Journal of Physical Chemistry B, 2005, 109, 11126-11134.	2.6	49
16	Hydrogels Facilitated by Monovalent Cations and Their Use as Efficient Dye Adsorbents. Journal of Physical Chemistry B, 2014, 118, 4693-4701.	2.6	49
17	CO ₂ -Controllable Foaming and Emulsification Properties of the Stearic Acid Soap Systems. Langmuir, 2015, 31, 5758-5766.	3.5	47
18	Fluorescent oligomer as a chemosensor for the label-free detection of Fe ³⁺ and dopamine with selectivity and sensitivity. Analytica Chimica Acta, 2016, 926, 99-106.	5.4	47

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19	Peptide-assembled hydrogels for pH-controllable drug release. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110567.	5.0	45
20	Advancing Metal-Phenolic Networks for Visual Information Storage. ACS Applied Materials & Interfaces, 2019, 11, 29305-29311.	8.0	43
21	Self-Assembled Peptide Nanofibers Encapsulated with Superfine Silver Nanoparticles via Ag ⁺ Coordination. Langmuir, 2015, 31, 8599-8605.	3.5	42
22	Single network double cross-linker (SNDCL) hydrogels with excellent stretchability, self-recovery, adhesion strength, and conductivity for human motion monitoring. Soft Matter, 2020, 16, 7323-7331.	2.7	40
23	Self-assembled structures of amphiphiles regulated via implanting external stimuli. RSC Advances, 2014, 4, 41864-41875.	3.6	39
24	Functional materials from the covalent modification of reduced graphene oxide and β -cyclodextrin as a drug delivery carrier. New Journal of Chemistry, 2014, 38, 140-145.	2.8	38
25	Fabrication of CS/SA Double-Network Hydrogel and Application in pH-Controllable Drug Release. ChemistrySelect, 2019, 4, 14036-14042.	1.5	38
26	Temperature regulated supramolecular structures via modifying the balance of multiple non-covalent interactions. Soft Matter, 2013, 9, 4209.	2.7	37
27	Superhydrophobic copper surfaces fabricated by fatty acid soaps in aqueous solution for excellent corrosion resistance. Applied Surface Science, 2017, 399, 491-498.	6.1	37
28	Peroxidase mimetic activity of Fe ₃ O ₄ nanoparticle prepared based on magnetic hydrogels for hydrogen peroxide and glucose detection. Journal of Colloid and Interface Science, 2017, 506, 46-57.	9.4	37
29	Task-Specific Design of Immune-Augmented Nanoplatfrom to Enable High-Efficiency Tumor Immunotherapy. ACS Applied Materials & Interfaces, 2019, 11, 42904-42916.	8.0	37
30	A Systematic Investigation and Insight into the Formation Mechanism of Bilayers of Fatty Acid/Soap Mixtures in Aqueous Solutions. Langmuir, 2013, 29, 12380-12388.	3.5	36
31	3D welan gum-graphene oxide composite hydrogels with efficient dye adsorption capacity. RSC Advances, 2015, 5, 75589-75599.	3.6	36
32	Ca ²⁺ and Ba ²⁺ -Ligand Coordinated Unilamellar, Multilamellar, and Oligovesicular Vesicles. Chemistry - A European Journal, 2007, 13, 496-501.	3.3	35
33	Phase Behaviors and Self-Assembly Properties of Two Catanionic Surfactant Systems: C ₈ F ₁₇ COOH/TTAOH/H ₂ O and C ₈ H ₁₇ COOH/TTAOH/H ₂ O. Journal of Physical Chemistry B, 2010, 114, 13128-13135.	2.6	35
34	Hydrogels Triggered by Metal Ions as Precursors of Network CuS for DNA Detection. Chemistry - A European Journal, 2015, 21, 12194-12201.	3.3	35
35	Hydrogels formed by enantioselective self-assembly of histidine-derived amphiphiles with tartaric acid. Soft Matter, 2014, 10, 4855.	2.7	34
36	Superhydrogels of Nanotubes Capable of Capturing Heavy-Metal Ions. Chemistry - an Asian Journal, 2014, 9, 245-252.	3.3	33

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37	Fluorescent Hydrogels with Tunable Nanostructure and Viscoelasticity for Formaldehyde Removal. ACS Applied Materials & Interfaces, 2014, 6, 18319-18328.	8.0	33
38	pH-responsive and self-targeting assembly from hyaluronic acid-based conjugate toward all-in-one chemo-photodynamic therapy. Journal of Colloid and Interface Science, 2019, 547, 30-39.	9.4	32
39	Metal ions confinement defines the architecture of G-quartet, G-quadruplex fibrils and their assembly into nematic tactoids. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9832-9839.	7.1	32
40	Influence of Counterions on Lauric Acid Vesicles and Theoretical Consideration of Vesicle Stability. Journal of Physical Chemistry B, 2013, 117, 242-251.	2.6	30
41	Rational Design of a Robust Antibody-like Small-Molecule Inhibitor Nanoplatfrom for Enhanced Photoimmunotherapy. ACS Applied Materials & Interfaces, 2020, 12, 40085-40093.	8.0	28
42	Hydrogelation and Crystallization of Sodium Deoxycholate Controlled by Organic Acids. Langmuir, 2016, 32, 1502-1509.	3.5	27
43	Active targeting co-delivery system based on pH-sensitive methoxy-poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td Colloid and Interface Science, 2016, 472, 90-98.	9.4	25
44	Two Gelation Mechanisms of Deoxycholate with Inorganic Additives: Hydrogen Bonding and Electrostatic Interactions. Journal of Physical Chemistry B, 2016, 120, 6812-6818.	2.6	25
45	Hydrogels Based on Ag ⁺ -Modulated Assembly of 5'-Adenosine Monophosphate for Enriching Biomolecules. Chemistry - A European Journal, 2017, 23, 15721-15728.	3.3	25
46	Redox-Sensitive Prodrug Molecules Meet Graphene Oxide: An Efficient Graphene Oxide-Based Nanovehicle toward Cancer Therapy. ACS Biomaterials Science and Engineering, 2019, 5, 1384-1391.	5.2	25
47	Self-assembly of metal-ligand coordinated charged vesicles. Current Opinion in Colloid and Interface Science, 2009, 14, 94-102.	7.4	24
48	GMP-quadruplex-based hydrogels stabilized by lanthanide ions. Science China Chemistry, 2018, 61, 604-612.	8.2	24
49	pH-Sensitive Vesicles and Rheological Properties of PFLA/NaOH/H ₂ O and PFLA/LiOH/H ₂ O Systems. Journal of Physical Chemistry B, 2011, 115, 9070-9076.	2.6	22
50	ln(OH) ₃ particles from an ionic liquid precursor and their conversion to porous ln ₂ O ₃ particles for enhanced gas sensing properties. CrystEngComm, 2013, 15, 1706-1714.	2.6	22
51	Highly viscous wormlike micellar phases formed from the mixed AOT/C14DMAO/H ₂ O system. Journal of Colloid and Interface Science, 2011, 353, 231-236.	9.4	21
52	Guanosine-based thermotropic liquid crystals with tunable phase structures and ion-responsive properties. Journal of Colloid and Interface Science, 2019, 553, 269-279.	9.4	19
53	A new application of Krafft point concept: an ultraviolet-shielded surfactant switchable window. Chemical Communications, 2020, 56, 5315-5318.	4.1	19
54	Interactions of dopamine and dopamine hydrochloride with ethanol. Journal of Molecular Liquids, 2016, 223, 420-426.	4.9	18

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55	Sonoâ€Fenton Chemistry Converts Phenol and Phenyl Derivatives into Polyphenols for Engineering Surface Coatings. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21529-21535.	13.8	18
56	Transition of Phase Structures in Mixtures of Lysine and Fatty Acids. <i>Journal of Physical Chemistry B</i> , 2014, 118, 14843-14851.	2.6	17
57	Functions of fluorosurfactants 1: Surface activities-improved and vesicle formation of the short-tailed chain sulfonate salt mixed with a fluorosurfactant. <i>Journal of Fluorine Chemistry</i> , 2005, 126, 1266-1273.	1.7	16
58	Ultrafine Au and Ag Nanoparticles Synthesized from Selfâ€Assembled Peptide Fibers and Their Excellent Catalytic Activity. <i>ChemPhysChem</i> , 2016, 17, 2157-2163.	2.1	16
59	Chitosan gel incorporated peptide-modified AuNPs for sustained drug delivery with smart pH responsiveness. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1174-1181.	5.8	16
60	Ionic-surfactants-based thermotropic liquid crystals. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 15256-15281.	2.8	16
61	Superhydrophobic copper surface fabricated by one-step immersing method in fatty acid salt aqueous solution for excellent anti-corrosion and oil/water separation properties. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	15
62	Cubic Liquid Crystals of Polyoxometalate-Based Ionic Liquids. <i>Langmuir</i> , 2020, 36, 3471-3481.	3.5	15
63	Hydrogels of Superlong Helices to Synthesize Hybrid Ag-Helical Nanomaterials. <i>Langmuir</i> , 2016, 32, 12100-12109.	3.5	14
64	Sponge Phase Producing Porous CeO ₂ for Catalytic Oxidation of CO. <i>Chemistry - A European Journal</i> , 2014, 20, 9063-9072.	3.3	13
65	Experimental and theoretical study on the interaction of dopamine hydrochloride with H ₂ O. <i>Journal of Molecular Liquids</i> , 2016, 215, 481-485.	4.9	13
66	A bile acid-induced aggregation transition and rheological properties in its mixtures with alkyltrimethylammonium hydroxide. <i>Soft Matter</i> , 2011, 7, 8952.	2.7	12
67	Lysine-based chiral vesicles. <i>Journal of Colloid and Interface Science</i> , 2014, 431, 233-240.	9.4	12
68	Bilayers and wormlike micelles at high pH in fatty acid soap systems. <i>Journal of Colloid and Interface Science</i> , 2016, 465, 304-310.	9.4	12
69	Modulating hierarchical self-assembly behavior of a peptide amphiphile/nonionic surfactant mixed system. <i>RSC Advances</i> , 2016, 6, 9186-9193.	3.6	12
70	Self-assembled structural transition from vesicle phase to sponge phase and emulsifying properties in mixtures of arginine and fatty acids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 487, 198-206.	4.7	11
71	G-quadruplex-based ionogels with controllable chirality for circularly polarized luminescence. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 629, 127411.	4.7	11
72	Phenylalanine-based ionic liquid crystals with water-induced phase transition behaviors. <i>Journal of Molecular Liquids</i> , 2020, 301, 112399.	4.9	10

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73	New focus of the cloud point/Krafft point of nonionic/cationic surfactants as thermochromic materials for smart windows. Chemical Communications, 2022, 58, 2814-2817.	4.1	10
74	G-Quadruplex based hydrogels stabilized by a cationic polymer as an efficient adsorbent of picric acid. New Journal of Chemistry, 2019, 43, 18331-18338.	2.8	9
75	A new approach to construct and modulate G-quadruplex by cationic surfactant. Journal of Colloid and Interface Science, 2020, 578, 338-345.	9.4	9
76	Phase behavior and L ₁ -phase of a new catanionic system formed by cationic hydrocarbon and anionic fluorocarbon surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 359, 53-59.	4.7	8
77	Effect of Hydrophilic Groups of Ca Surfactants and Hydrophobic Chains of C _n DMAO on Coordinated Vesicle Formation. Langmuir, 2010, 26, 18652-18658.	3.5	8
78	Pickering emulsions stabilized by surfactant particles with smart responses to pH and metal-ligands. Journal of Molecular Liquids, 2021, 324, 114730.	4.9	8
79	Metal ion-triggered Pickering emulsions and foams for efficient metal ion extraction. Journal of Colloid and Interface Science, 2021, 602, 187-196.	9.4	8
80	Fluorescent magnetic ionic liquids with multiple responses to temperature, humidity and organic vapors. Journal of Materials Chemistry C, 2021, 9, 13276-13285.	5.5	8
81	Phase behavior and properties of salt-free cationic/anionic surfactant mixtures of oleic acid and stearic acid. Science Bulletin, 2009, 54, 3953-3957.	1.7	6
82	Effect of Cationic Surfactants with Different Counterions on the Growth of Au Nanoclusters. Langmuir, 2018, 34, 6138-6146.	3.5	6
83	Guanine Analogue-Based Assemblies: Construction and Luminescence Functions. Langmuir, 2022, 38, 7099-7106.	3.5	6
84	Block copolymer vesicles via liquid/liquid interface-mediated self-assembly. Applied Surface Science, 2020, 499, 143896.	6.1	5
85	Biologically-derived nanoparticles for chemo-ferroptosis combination therapy. Materials Chemistry Frontiers, 2021, 5, 3813-3822.	5.9	5
86	Sono [®] -Fenton Chemistry Converts Phenol and Phenyl Derivatives into Polyphenols for Engineering Surface Coatings. Angewandte Chemie, 2021, 133, 21699-21705.	2.0	5
87	Al ³⁺ -induced vesicle formation. Science Bulletin, 2007, 52, 2600-2604.	1.7	4
88	Hydrogels formed by L-histidine derivatives with highly selective release for charged dyes. Chinese Chemical Letters, 2018, 29, 1219-1222.	9.0	4
89	Magnetic polymerizable surfactants: thermotropic liquid crystal behaviors and construction of nanostructured films. New Journal of Chemistry, 2020, 44, 16537-16545.	2.8	4
90	Feedback-controlled topological reconfiguration of molecular assemblies for programming supramolecular structures. Soft Matter, 2022, 18, 3856-3866.	2.7	4

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91	Salt-free vesicle-phases and their template effect. Science Bulletin, 2007, 52, 2593-2599.	1.7	2
92	Location of probe molecule in double-chain surfactant aggregates in absence and presence of water-soluble polymer by NMR. Soft Matter, 2009, , .	2.7	2
93	Polymorphic transient glycolipid assemblies with tunable lifespan and cargo release. Journal of Colloid and Interface Science, 2022, 610, 1067-1076.	9.4	2
94	Self-assembled structural transition in l-Arg/H-AOT mixtures driven by double hydrogen bonding. RSC Advances, 2016, 6, 47919-47925.	3.6	1
95	Metal-ligand coordinated Ca(DS)2/C14DMAO/H2O system: Phase behavior and rheological property. Science China Chemistry, 2011, 54, 490-496.	8.2	0