

# Aixin Song

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2282405/publications.pdf>

Version: 2024-02-01

95  
papers

2,874  
citations

117619

34  
h-index

197805

49  
g-index

96  
all docs

96  
docs citations

96  
times ranked

3573  
citing authors

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

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

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 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 Nanoplatfom 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 Tid 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 <sup>+</sup> -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 <sub>2</sub> O and PFLA/LiOH/H <sub>2</sub> O Systems. Journal of Physical Chemistry B, 2011, 115, 9070-9076.   | 2.6 | 22        |
| 50 | In(OH) <sub>3</sub> particles from an ionic liquid precursor and their conversion to porous In <sub>2</sub> O <sub>3</sub> 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 <sub>2</sub> 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        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 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 <sub>2</sub> 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 <sub>2</sub> 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        |

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

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 91 | Salt-free vesicle-phases and their template effect. <i>Science Bulletin</i> , 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. <i>Soft Matter</i> , 2009, , .                    | 2.7 | 2         |
| 93 | Polymorphic transient glycolipid assemblies with tunable lifespan and cargo release. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 1067-1076.                | 9.4 | 2         |
| 94 | Self-assembled structural transition in l-Arg/H-AOT mixtures driven by double hydrogen bonding. <i>RSC Advances</i> , 2016, 6, 47919-47925.                                 | 3.6 | 1         |
| 95 | Metal-ligand coordinated Ca(DS) <sub>2</sub> /C14DMAO/H <sub>2</sub> O system: Phase behavior and rheological property. <i>Science China Chemistry</i> , 2011, 54, 490-496. | 8.2 | 0         |