# Zhimou Yang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8602021/publications.pdf

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|---|---|---|---|
| 208 papers | 15,415 citations | 16411 64 h-index | 19690 117 g-index |
| 221 all docs | 221 docs citations | 221 times ranked | 11331 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Enzymatic Hydrogelation of Small Molecules. Accounts of Chemical Research, 2008, 41, 315-326. | 7.6 | 615 |
| 2 | Enzymatic Formation of Supramolecular Hydrogels. Advanced Materials, 2004, 16, 1440-1444. | 11.1 | 554 |
| 3 | Heterodimers of Nanoparticles:Â Formation at a Liquidâ˜Liquid Interface and Particle-Specific Surface Modification by Functional Molecules. Journal of the American Chemical Society, 2005, 127, 34-35. | 6.6 | 532 |
| 4 | Using a Kinase/Phosphatase Switch to Regulate a Supramolecular Hydrogel and Forming the Supramolecular Hydrogel in Vivo. Journal of the American Chemical Society, 2006, 128, 3038-3043. | 6.6 | 452 |
| 5 | Supramolecular Hydrogels Respond to Ligandâ˜Receptor Interaction. Journal of the American Chemical Society, 2003, 125, 13680-13681. | 6.6 | 434 |
| 6 | A Supramolecular-Hydrogel-Encapsulated Hemin as an Artificial Enzyme to Mimic Peroxidase. Angewandte Chemie - International Edition, 2007, 46, 4285-4289. | 7.2 | 369 |
| 7 | Endothelialization and patency of RGD-functionalized vascular grafts in a rabbit carotid artery model. Biomaterials, 2012, 33, 2880-2891. | 5.7 | 265 |
| 8 | Intracellular Enzymatic Formation of Nanofibers Results in Hydrogelation and Regulated Cell Death. Advanced Materials, 2007, 19, 3152-3156. | 11.1 | 259 |
| 9 | Supramolecular Hydrogel of a <scp>d</scp>-Amino Acid Dipeptide for Controlled Drug Release in Vivo. Langmuir, 2009, 25, 8419-8422. | 1.6 | 257 |
| 10 | Integrating Enzymatic Self-Assembly and Mitochondria Targeting for Selectively Killing Cancer Cells without Acquired Drug Resistance. Journal of the American Chemical Society, 2016, 138, 16046-16055. | 6.6 | 254 |
| 11 | Supramolecular â€œTrojan Horseâ€•for Nuclear Delivery of Dual Anticancer Drugs. Journal of the American Chemical Society, 2017, 139, 2876-2879. | 6.6 | 253 |
| 12 | Dephosphorylation of <scp>d</scp>-Peptide Derivatives to Form Biofunctional, Supramolecular Nanofibers/Hydrogels and Their Potential Applications for Intracellular Imaging and Intratumoral Chemotherapy. Journal of the American Chemical Society, 2013, 135, 9907-9914. | 6.6 | 226 |
| 13 | A Biocompatible Method of Decorporation:Â Bisphosphonate-Modified Magnetite Nanoparticles to Remove Uranyl Ions from Blood. Journal of the American Chemical Society, 2006, 128, 13358-13359. | 6.6 | 224 |
| 14 | A simple visual assay based on small molecule hydrogels for detecting inhibitors of enzymes. Chemical Communications, 2004, , 2424. | 2.2 | 215 |
| 15 | Intracellular Hydrogelation of Small Molecules Inhibits Bacterial Growth. Angewandte Chemie - International Edition, 2007, 46, 8216-8219. | 7.2 | 212 |
| 16 | Small molecule hydrogels based on a class of antiinflammatory agents. Chemical Communications, 2004, , 208. | 2.2 | 211 |
| 17 | d-Glucosamine-based supramolecular hydrogels to improve wound healing. Chemical Communications, 2007, , 843-845. | 2.2 | 208 |
| 18 | Using Î²-Lactamase to Trigger Supramolecular Hydrogelation. Journal of the American Chemical Society, 2007, 129, 266-267. | 6.6 | 203 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Tandem Molecular Selfâ€Assembly in Liver Cancer Cells. Angewandte Chemie - International Edition, 2018, 57, 1813-1816. | 7.2 | 199 |
| 20 | A Powerful CD8<sup>+</sup> Tâ€Cell Stimulating Dâ€Tetraâ€Peptide Hydrogel as a Very Promising Vaccine Adjuvant. Advanced Materials, 2017, 29, 1601776. | 11.1 | 198 |
| 21 | Enzymeâ€Instructed Selfâ€Assembly (EISA) and Hydrogelation of Peptides. Advanced Materials, 2020, 32, e1805798. | 11.1 | 193 |
| 22 | Conjugates of naphthalene and dipeptides produce molecular hydrogelators with high efficiency of hydrogelation and superhelical nanofibers. Journal of Materials Chemistry, 2007, 17, 850-854. | 6.7 | 192 |
| 23 | Supramolecular hydrogels based on biofunctional nanofibers of self-assembled small molecules. Journal of Materials Chemistry, 2007, 17, 2385. | 6.7 | 179 |
| 24 | Self-assembling small molecules for the detection of important analytes. Chemical Society Reviews, 2014, 43, 7257-7266. | 18.7 | 175 |
| 25 | Synthesis and cellular uptake of porphyrin decorated iron oxide nanoparticlesâ€"a potential candidate for bimodal anticancer therapy. Chemical Communications, 2005, , 4270. | 2.2 | 172 |
| 26 | Enzyme Promotes the Hydrogelation from a Hydrophobic Small Molecule. Journal of the American Chemical Society, 2009, 131, 11286-11287. | 6.6 | 170 |
| 27 | Î³â€Rayâ€Responsive Supramolecular Hydrogel Based on a Diselenideâ€Containing Polymer and a Peptide. Angewandte Chemie - International Edition, 2013, 52, 6233-6237. | 7.2 | 170 |
| 28 | Enzymeâ€Catalyzed Formation of Supramolecular Hydrogels as Promising Vaccine Adjuvants. Advanced Functional Materials, 2016, 26, 1822-1829. | 7.8 | 163 |
| 29 | Molecular Recognition Remolds the Self-Assembly of Hydrogelators and Increases the Elasticity of the Hydrogel by 106-Fold. Journal of the American Chemical Society, 2004, 126, 15028-15029. | 6.6 | 162 |
| 30 | The inhibition of tumor growth and metastasis by self-assembled nanofibers of taxol. Biomaterials, 2012, 33, 5848-5853. | 5.7 | 162 |
| 31 | Enzymeâ€Instructed Intracellular Molecular Selfâ€Assembly to Boost Activity of Cisplatin against Drugâ€Resistant Ovarian Cancer Cells. Angewandte Chemie - International Edition, 2015, 54, 13307-13311. | 7.2 | 158 |
| 32 | A Peptide-Based Nanofibrous Hydrogel as a Promising DNA Nanovector for Optimizing the Efficacy of HIV Vaccine. Nano Letters, 2014, 14, 1439-1445. | 4.5 | 157 |
| 33 | Self-assembly of small molecules affords multifunctional supramolecular hydrogels for topically treating simulated uranium wounds. Chemical Communications, 2005, , 4414. | 2.2 | 154 |
| 34 | Inâ€...Vitro and Inâ€...Vivo Enzymatic Formation of Supramolecular Hydrogels Based on Self-Assembled Nanofibers of a Î²-Amino Acid Derivative. Small, 2007, 3, 558-562. | 5.2 | 144 |
| 35 | Precise and Long-Term Tracking of Adipose-Derived Stem Cells and Their Regenerative Capacity via Superb Bright and Stable Organic Nanodots. ACS Nano, 2014, 8, 12620-12631. | 7.3 | 141 |
| 36 | Molecular hydrogel-immobilized enzymes exhibit superactivity and high stability in organic solvents. Chemical Communications, 2007, , 1032. | 2.2 | 126 |

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|---|---|---|---|
| 37 | Supramolecular Nanofibers Containing Arginine-Glycine-Aspartate (RGD) Peptides Boost Therapeutic Efficacy of Extracellular Vesicles in Kidney Repair. ACS Nano, 2020, 14, 12133-12147. | 7.3 | 123 |
| 38 | Rational Design of a Tetrameric Protein to Enhance Interactions between Selfâ€Assembled Fibers Gives Molecular Hydrogels. Angewandte Chemie - International Edition, 2012, 51, 4388-4392. | 7.2 | 122 |
| 39 | Supramolecular hydrogels based on Î²-amino acid derivatives. Chemical Communications, 2006, , 738. | 2.2 | 121 |
| 40 | Short-peptide-based molecular hydrogels: novel gelation strategies and applications for tissue engineering and drug delivery. Nanoscale, 2012, 4, 5259. | 2.8 | 121 |
| 41 | Switchable Catalytic Activity: Seleniumâ€Containing Peptides with Redoxâ€Controllable Selfâ€Assembly Properties. Angewandte Chemie - International Edition, 2013, 52, 7781-7785. | 7.2 | 121 |
| 42 | Conjugation of two complementary anti-cancer drugs confers molecular hydrogels as a co-delivery system. Chemical Communications, 2012, 48, 395-397. | 2.2 | 113 |
| 43 | When Molecular Probes Meet Selfâ€Assembly: An Enhanced Quenching Effect. Angewandte Chemie - International Edition, 2015, 54, 4823-4827. | 7.2 | 112 |
| 44 | Enzymatic hydrogelation to immobilize an enzyme for high activity and stability. Soft Matter, 2008, 4, 550. | 1.2 | 106 |
| 45 | Enzymeâ€instructed selfâ€assembly of peptide derivatives to form nanofibers and hydrogels. Biopolymers, 2010, 94, 19-31. | 1.2 | 99 |
| 46 | Incorporation of supramolecular hydrogels into agarose hydrogelsâ€"a potential drug delivery carrier. Journal of Materials Chemistry, 2009, 19, 7892. | 6.7 | 98 |
| 47 | Self-assembled nanospheres as a novel delivery system for taxol: a molecular hydrogel with nanosphere morphology. Chemical Communications, 2011, 47, 4439. | 2.2 | 98 |
| 48 | Peptide-Induced AIEgen Self-Assembly: A New Strategy to Realize Highly Sensitive Fluorescent Light-Up Probes. Analytical Chemistry, 2016, 88, 3872-3878. | 3.2 | 97 |
| 49 | Exceptionally small supramolecular hydrogelators based on aromaticâ€"aromatic interactions. Beilstein Journal of Organic Chemistry, 2011, 7, 167-172. | 1.3 | 94 |
| 50 | Peptide-based supramolecular hydrogels for local drug delivery. Advanced Drug Delivery Reviews, 2021, 174, 482-503. | 6.6 | 89 |
| 51 | Enzymatic control of the self-assembly of small molecules: a new way to generate supramolecular hydrogels. Soft Matter, 2007, 3, 515. | 1.2 | 85 |
| 52 | Using Enzymes to Control Molecular Hydrogelation. Advanced Materials, 2006, 18, 3043-3046. | 11.1 | 79 |
| 53 | Self-Assembly-Induced Far-Red/Near-Infrared Fluorescence Light-Up for Detecting and Visualizing Specific Proteinâ€"Peptide Interactions. ACS Nano, 2014, 8, 1475-1484. | 7.3 | 79 |
| 54 | A structureâ€"gelation ability study in a short peptide-based â€˜Super Hydrogelatorâ€™ system. Soft Matter, 2011, 7, 3897. | 1.2 | 77 |

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|---|---|---|---|
| 55 | Molecular hydrogels of hydrophobic compounds: a novel self-delivery system for anti-cancer drugs. Soft Matter, 2012, 8, 2344-2347. | 1.2 | 77 |
| 56 | Cooperative Self-Assembly of Peptide Gelators and Proteins. Biomacromolecules, 2013, 14, 4368-4376. | 2.6 | 76 |
| 57 | Enzyme-controllable delivery of nitric oxide from a molecular hydrogel. Chemical Communications, 2013, 49, 9173. | 2.2 | 75 |
| 58 | Disulfide bond as a cleavable linker for molecular self-assembly and hydrogelation. Chemical Communications, 2011, 47, 1619-1621. | 2.2 | 74 |
| 59 | Surface-Induced Hydrogelation Inhibits Platelet Aggregation. Journal of the American Chemical Society, 2013, 135, 266-271. | 6.6 | 73 |
| 60 | Controlling peptidebased hydrogelation. Materials Today, 2012, 15, 500-507. | 8.3 | 72 |
| 61 | Phenothiazine as an aromatic capping group to construct a short peptide-based â€˜super gelatorâ€™. Chemical Communications, 2013, 49, 1853. | 2.2 | 72 |
| 62 | Self-Assembling Peptide of <scp>d</scp>-Amino Acids Boosts Selectivity and Antitumor Efficacy of 10-Hydroxycamptothecin. ACS Applied Materials & Interfaces, 2014, 6, 5558-5565. | 4.0 | 71 |
| 63 | Supramolecular Nanofibers with Superior Bioactivity to Insulin-Like Growth Factor-I. Nano Letters, 2019, 19, 1560-1569. | 4.5 | 71 |
| 64 | Responsive Small Molecular Hydrogels Based on Adamantaneâ€“Peptides for Cell Culture. Journal of Physical Chemistry B, 2012, 116, 633-638. | 1.2 | 69 |
| 65 | Dynamic Biostability, Biodistribution, and Toxicity of <scp>l</scp>/<scp>d</scp>-Peptide-Based Supramolecular Nanofibers. ACS Applied Materials & Interfaces, 2015, 7, 2735-2744. | 4.0 | 67 |
| 66 | Supramolecular Selfâ€Assemblyâ€Facilitated Aggregation of Tumorâ€Specific Transmembrane Receptors for Signaling Activation and Converting Immunologically Cold to Hot Tumors. Advanced Materials, 2021, 33, e2008518. | 11.1 | 66 |
| 67 | Supramolecular Nanofibers of Curcumin for Highly Amplified Radiosensitization of Colorectal Cancers to Ionizing Radiation. Advanced Functional Materials, 2018, 28, 1707140. | 7.8 | 65 |
| 68 | Enhanced cellular uptake and nuclear accumulation of drug-peptide nanomedicines prepared by enzyme-instructed self-assembly. Journal of Controlled Release, 2020, 317, 109-117. | 4.8 | 65 |
| 69 | High Catalytic Activities of Artificial Peroxidases Based on Supramolecular Hydrogels That Contain Heme Models. Chemistry - A European Journal, 2008, 14, 5073-5078. | 1.7 | 63 |
| 70 | Folic Acid Derived Hydrogel Enhances the Survival and Promotes Therapeutic Efficacy of iPS Cells for Acute Myocardial Infarction. ACS Applied Materials & Interfaces, 2018, 10, 24459-24468. | 4.0 | 63 |
| 71 | Supramolecular hydrogels inspired by collagen for tissue engineering. Organic and Biomolecular Chemistry, 2010, 8, 3267. | 1.5 | 62 |
| 72 | Environment-Sensitive Fluorescent Supramolecular Nanofibers for Imaging Applications. Analytical Chemistry, 2014, 86, 2193-2199. | 3.2 | 61 |

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|---|---|---|---|
| 73 | Cancer vaccines using supramolecular hydrogels of NSAID-modified peptides as adjuvants abolish tumorigenesis. Nanoscale, 2017, 9, 14058-14064. | 2.8 | 61 |
| 74 | Enzymeâ€Instructed Selfâ€Assembly Enabled Monomerâ€“Excimer Transition to Construct Higher Ordered Luminescent Supramolecular Assembly for Activityâ€based Bioimaging. Angewandte Chemie - International Edition, 2021, 60, 8121-8129. | 7.2 | 61 |
| 75 | Phenyl groups in supramolecular nanofibers confer hydrogels with high elasticity and rapid recovery. Journal of Materials Chemistry, 2010, 20, 2128. | 6.7 | 60 |
| 76 | Rational design of a photo-responsive UVR8-derived protein and a self-assembling peptideâ€“protein conjugate for responsive hydrogel formation. Nanoscale, 2015, 7, 16666-16670. | 2.8 | 58 |
| 77 | A supramolecular hydrogelator of curcumin. Chemical Communications, 2014, 50, 9413-9415. | 2.2 | 57 |
| 78 | Selectively Inducing Cancer Cell Death by Intracellular Enzymeâ€Instructed Selfâ€Assembly (EISA) of Dipeptide Derivatives. Advanced Healthcare Materials, 2017, 6, 1601400. | 3.9 | 56 |
| 79 | Enzyme-assisted peptide folding, assembly and anti-cancer properties. Nanoscale, 2017, 9, 11987-11993. | 2.8 | 56 |
| 80 | Controlling self-assembly within nanospace for peptide nanoparticle fabrication. Soft Matter, 2008, 4, 1617. | 1.2 | 52 |
| 81 | A Glycyrrhetinic Acid-Modified Curcumin Supramolecular Hydrogel for liver tumor targeting therapy. Scientific Reports, 2017, 7, 44210. | 1.6 | 52 |
| 82 | Spatiotemporal Control of Supramolecular Self-Assembly and Function. ACS Applied Materials & Interfaces, 2017, 9, 10012-10018. | 4.0 | 51 |
| 83 | Dual enzymes regulate the molecular self-assembly of tetra-peptide derivatives. Soft Matter, 2011, 7, 10443. | 1.2 | 50 |
| 84 | Recombinant proteins as cross-linkers for hydrogelations. Chemical Society Reviews, 2013, 42, 891-901. | 18.7 | 50 |
| 85 | A Mixed Component Supramolecular Hydrogel to Improve Mice Cardiac Function and Alleviate Ventricular Remodeling after Acute Myocardial Infarction. Advanced Functional Materials, 2017, 27, 1701798. | 7.8 | 47 |
| 86 | Self-assembled hybrid nanofibers confer a magnetorheological supramolecular hydrogel. Tetrahedron, 2007, 63, 7349-7357. | 1.0 | 46 |
| 87 | Enzyme-triggered self-assembly of a small molecule: a supramolecular hydrogel with leaf-like structures and an ultra-low minimum gelation concentration. Nanotechnology, 2010, 21, 225606. | 1.3 | 46 |
| 88 | Disulfide bond reduction-triggered molecular hydrogels of folic acidâ€“Taxol conjugates. Organic and Biomolecular Chemistry, 2013, 11, 6946. | 1.5 | 46 |
| 89 | A saccharide-based supramolecular hydrogel for cell culture. Carbohydrate Research, 2011, 346, 1013-1017. | 1.1 | 45 |
| 90 | Tandem Molecular Selfâ€Assembly in Liver Cancer Cells. Angewandte Chemie, 2018, 130, 1831-1834. | 1.6 | 44 |

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|---|---|---|---|
| 91 | Î²-Galactosidase instructed supramolecular hydrogelation for selective identification and removal of senescent cells. Chemical Communications, 2019, 55, 7175-7178. | 2.2 | 44 |
| 92 | A hybrid hydrogel for efficient removal of methyl violet from aqueous solutions. Colloids and Surfaces B: Biointerfaces, 2010, 80, 155-160. | 2.5 | 42 |
| 93 | Interfacial self-assembly leads to formation of fluorescent nanoparticles for simultaneous bacterial detection and inhibition. Chemical Communications, 2014, 50, 3473-3475. | 2.2 | 41 |
| 94 | Using Congo red to report intracellular hydrogelation resulted from self-assembly of small molecules. Chemical Communications, 2007, , 4096. | 2.2 | 40 |
| 95 | In situ generated Dâ€peptidic nanofibrils as multifaceted apoptotic inducers to target cancer cells. Cell Death and Disease, 2017, 8, e2614-e2614. | 2.7 | 40 |
| 96 | Highly stable surface modifications of poly(3-caprolactone) (PCL) films by molecular self-assembly to promote cells adhesion and proliferation. Chemical Communications, 2011, 47, 8901. | 2.2 | 39 |
| 97 | Visualized detection of melamine in milk by supramolecular hydrogelations. Chemical Communications, 2014, 50, 12873-12876. | 2.2 | 39 |
| 98 | Anti-degradation of a recombinant complex protein by incoporation in small molecular hydrogels. Chemical Communications, 2011, 47, 955-957. | 2.2 | 38 |
| 99 | Multifunctional biohybrid hydrogels for cell culture and controlled drug release. Chemical Communications, 2013, 49, 7448. | 2.2 | 38 |
| 100 | Î²-galactosidase responsive AIE fluorogene for identification and removal of senescent cancer cells. Science China Chemistry, 2020, 63, 398-403. | 4.2 | 38 |
| 101 | The first pamidronate containing polymer and copolymer. Chemical Communications, 2006, , 2795. | 2.2 | 37 |
| 102 | Responsive peptide-based supramolecular hydrogels constructed by self-immolative chemistry. Nanoscale, 2018, 10, 21459-21465. | 2.8 | 37 |
| 103 | PDGF-BB-derived supramolecular hydrogel for promoting skin wound healing. Journal of Nanobiotechnology, 2022, 20, 201. | 4.2 | 37 |
| 104 | Facet-Selective 2D Self-Assembly of TiO2 Nanoleaves via Supramolecular Interactions. Chemistry of Materials, 2008, 20, 7514-7520. | 3.2 | 36 |
| 105 | Glutathione-triggered formation of molecular hydrogels for 3D cell culture. Colloids and Surfaces B: Biointerfaces, 2013, 108, 352-357. | 2.5 | 36 |
| 106 | Supramolecular nanofibers of self-assembling peptides and proteins for protein delivery. Chemical Communications, 2015, 51, 14239-14242. | 2.2 | 36 |
| 107 | Design, syntheses, and evaluation of Taspase1 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 5086-5090. | 1.0 | 35 |
| 108 | Using a mild hydrogelation process to confer stable hybrid hydrogels for enzyme immobilization. RSC Advances, 2013, 3, 16739. | 1.7 | 34 |

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|---|---|---|---|
| 109 | A polymer additive boosts the anti-cancer efficacy of supramolecular nanofibers of taxol. Biomaterials Science, 2014, 2, 651-654. | 2.6 | 34 |
| 110 | Selective Degradation of PDâ€Ł1 in Cancer Cells by Enzymeâ€Instructed Selfâ€Assembly. Advanced Functional Materials, 2021, 31, 2102505. | 7.8 | 34 |
| 111 | Supramolecular nanofibers of triamcinolone acetonide for uveitis therapy. Nanoscale, 2014, 6, 14488-14494. | 2.8 | 32 |
| 112 | Narrowing the diversification of supramolecular assemblies by preorganization. Chemical Communications, 2018, 54, 2751-2754. | 2.2 | 32 |
| 113 | Molecular hydrogelators consist of Taxol and short peptides/amino acids. Journal of Materials Chemistry, 2012, 22, 16933. | 6.7 | 30 |
| 114 | Molecular hydrogelators of peptoidâ€“peptide conjugates with superior stability against enzyme digestion. Nanoscale, 2012, 4, 3644. | 2.8 | 30 |
| 115 | Janus nanogels of PEGylated Taxol and PLGAâ€“PEGâ€“PLGA copolymer for cancer therapy. Nanoscale, 2013, 5, 9902. | 2.8 | 30 |
| 116 | Biocompatible fluorescent supramolecular nanofibrous hydrogel for long-term cell tracking and tumor imaging applications. Scientific Reports, 2015, 5, 16680. | 1.6 | 30 |
| 117 | Multi-responsive supramolecular hydrogels for drug delivery. Chemical Communications, 2015, 51, 15265-15267. | 2.2 | 30 |
| 118 | Selective pericellular hydrogelation by the overexpression of an enzyme and a membrane receptor. Nanoscale, 2019, 11, 13714-13719. | 2.8 | 30 |
| 119 | Supramolecular Nanofibers of Drugâ€Peptide Amphiphile and Affibody Suppress HER2+ Tumor Growth. Advanced Healthcare Materials, 2018, 7, e1800899. | 3.9 | 29 |
| 120 | A supramolecular protein chaperone for vaccine delivery. Theranostics, 2020, 10, 657-670. | 4.6 | 29 |
| 121 | A Supramolecular â€œTridentâ€•for Cancer Immunotherapy. Advanced Functional Materials, 2021, 31, 2100729. | 7.8 | 29 |
| 122 | Nuclear delivery of dual anticancer drug-based nanomedicine constructed by cisplatinum-induced peptide self-assembly. Nanoscale, 2020, 12, 15275-15282. | 2.8 | 28 |
| 123 | Potentiating the immune response of MUC1-based antitumor vaccines using a peptide-based nanovector as a promising vaccine adjuvant. Chemical Communications, 2017, 53, 9486-9489. | 2.2 | 27 |
| 124 | A versatile supramolecular nanoadjuvant that activates NF-ÎºB for cancer immunotherapy. Theranostics, 2019, 9, 3388-3397. | 4.6 | 27 |
| 125 | Hierarchical Nanostructured Electrospun Membrane with Periosteumâ€Mimic Microenvironment for Enhanced Bone Regeneration. Advanced Healthcare Materials, 2021, 10, e2101195. | 3.9 | 27 |
| 126 | From mouse to mouseâ€ear cress: Nanomaterials as vehicles in plant biotechnology. Exploration, 2021, 1, 9-20. | 5.4 | 27 |

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|---|---|---|---|
| 127 | A thixotropic molecular hydrogel selectively enhances Flk1 expression in differentiated murine embryonic stem cells. Soft Matter, 2011, 7, 5430. | 1.2 | 26 |
| 128 | Surface-Induced Hydrogelation for Fluorescence and Naked-Eye Detections of Enzyme Activity in Blood. Analytical Chemistry, 2016, 88, 7318-7323. | 3.2 | 26 |
| 129 | A strong CD8<sup>+</sup> T cell-stimulating supramolecular hydrogel. Nanoscale, 2020, 12, 2111-2117. | 2.8 | 26 |
| 130 | An Insulinâ€Inspired Supramolecular Hydrogel for Prevention of Type 1 Diabetes. Advanced Science, 2021, 8, 2003599. | 5.6 | 26 |
| 131 | Using enzymatic reactions to enhance the photodynamic therapy effect of porphyrin dityrosine phosphates. Chemical Communications, 2006, , 5021. | 2.2 | 25 |
| 132 | Bisphosphonate-containing supramolecular hydrogels for topical decorporation of uranium-contaminated wounds in mice. International Journal of Radiation Biology, 2008, 84, 353-362. | 1.0 | 25 |
| 133 | Directional molecular sliding movement in peptide hydrogels accelerates cell proliferation. Chemical Science, 2020, 11, 1383-1393. | 3.7 | 25 |
| 134 | <p>Delivery of MSCs with a Hybrid Î²-Sheet Peptide Hydrogel Consisting IGF-1C Domain and D-Form Peptide for Acute Kidney Injury Therapy</p>. International Journal of Nanomedicine, 2020, Volume 15, 4311-4324. | 3.3 | 25 |
| 135 | BSA-stabilized molecular hydrogels of a hydrophobic compound. Nanoscale, 2012, 4, 3047. | 2.8 | 24 |
| 136 | Far-red/near-infrared fluorescence light-up probes for specific in vitro and in vivo imaging of a tumour-related protein. Scientific Reports, 2016, 6, 23190. | 1.6 | 24 |
| 137 | Optimized Ratiometric Fluorescent Probes by Peptide Self-Assembly. Analytical Chemistry, 2016, 88, 740-745. | 3.2 | 24 |
| 138 | In situ formation of peptidic nanofibers can fundamentally optimize the quality of immune responses against HIV vaccine. Nanoscale Horizons, 2016, 1, 135-143. | 4.1 | 24 |
| 139 | A novel thermogel system of self-assembling peptides manipulated by enzymatic dephosphorylation. Chemical Communications, 2019, 55, 5123-5126. | 2.2 | 24 |
| 140 | Tandem Molecular Self-Assembly Selectively Inhibits Lung Cancer Cells by Inducing Endoplasmic Reticulum Stress. Research, 2019, 2019, 4803624. | 2.8 | 24 |
| 141 | Folic acid as a versatile motif to construct molecular hydrogelators through conjugations with hydrophobic therapeutic agents. Journal of Materials Chemistry, 2012, 22, 21838. | 6.7 | 23 |
| 142 | Cellular Membrane Enrichment of Self-Assembling <scp>d</scp>-Peptides for Cell Surface Engineering. ACS Applied Materials & Interfaces, 2014, 6, 9815-9821. | 4.0 | 23 |
| 143 | Single Dose of Protein Vaccine with Peptide Nanofibers As Adjuvants Elicits Long-Lasting Antibody Titer. ACS Biomaterials Science and Engineering, 2018, 4, 2000-2006. | 2.6 | 23 |
| 144 | Anticancer Supramolecular Hydrogel of D/L-Peptide with Enhanced Stability and Bioactivity. Journal of Biomedical Nanotechnology, 2018, 14, 1125-1134. | 0.5 | 23 |

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|---|---|---|---|
| 145 | An Ultrashort Peptide-Based Supramolecular Hydrogel Mimicking IGF-1 to Alleviate Glucocorticoid-Induced Sarcopenia. ACS Applied Materials & Interfaces, 2020, 12, 34678-34688. | 4.0 | 23 |
| 146 | Gemcitabine induced supramolecular hydrogelations of aldehyde-containing short peptides. RSC Advances, 2014, 4, 34729-34732. | 1.7 | 22 |
| 147 | A Peptideâ€Based Supramolecular Hydrogel for Controlled Delivery of Amine Drugs. Chemistry - an Asian Journal, 2018, 13, 3460-3463. | 1.7 | 21 |
| 148 | Organelle-inspired supramolecular nanomedicine to precisely abolish liver tumor growth and metastasis. Bioactive Materials, 2022, 9, 120-133. | 8.6 | 20 |
| 149 | In situ enzymatic formation of supramolecular nanofibers for efficiently killing cancer cells. RSC Advances, 2016, 6, 32519-32522. | 1.7 | 19 |
| 150 | A supramolecular hydrogel to boost the production of antibodies for phosphorylated proteins. Chemical Communications, 2019, 55, 12388-12391. | 2.2 | 19 |
| 151 | Old Dog New Tricks: PLGA Microparticles as an Adjuvant for Insulin Peptide Fragment-Induced Immune Tolerance against Type 1 Diabetes. Molecular Pharmaceutics, 2020, 17, 3513-3525. | 2.3 | 19 |
| 152 | Enzyme-instructed and mitochondria-targeting peptide self-assembly to efficiently induce immunogenic cell death. Acta Pharmaceutica Sinica B, 2022, 12, 2740-2750. | 5.7 | 19 |
| 153 | Using matrix metalloprotease-9 (MMP-9) to trigger supramolecular hydrogelation. Soft Matter, 2009, , . | 1.2 | 18 |
| 154 | Enzyme-assisted formation of nanosphere: a potential carrier for hydrophobic compounds. Nanotechnology, 2010, 21, 155602. | 1.3 | 18 |
| 155 | Supramolecular hydrogel of kanamycin selectively sequesters 16S rRNA. Chemical Communications, 2012, 48, 9257. | 2.2 | 18 |
| 156 | Glutathione-Triggered Formation of a Fmoc-Protected Short Peptide-Based Supramolecular Hydrogel. PLoS ONE, 2014, 9, e106968. | 1.1 | 18 |
| 157 | Rational Design of Multifunctional Heteroâ€Hexameric Proteins for Hydrogel Formation and Controlled Delivery of Bioactive Molecules. Advanced Healthcare Materials, 2014, 3, 1804-1811. | 3.9 | 18 |
| 158 | Dual-ligand supramolecular nanofibers inspired by the renin-angiotensin system for the targeting and synergistic therapy of myocardial infarction. Theranostics, 2021, 11, 3725-3741. | 4.6 | 18 |
| 159 | A novel mixed-component molecular hydrogel system with excellent stabilities. Chemical Communications, 2012, 48, 6175. | 2.2 | 17 |
| 160 | Gd(III)-induced Supramolecular Hydrogelation with Enhanced Magnetic Resonance Performance for Enzyme Detection. Scientific Reports, 2017, 7, 40172. | 1.6 | 17 |
| 161 | Bifunctional Supramolecular Hydrogel Alleviates Myocardial Ischemia/Reperfusion Injury by Inhibiting Autophagy and Apoptosis. Journal of Biomedical Nanotechnology, 2018, 14, 1458-1470. | 0.5 | 17 |
| 162 | Preorganization Increases the Self-Assembling Ability and Antitumor Efficacy of Peptide Nanomedicine. ACS Applied Materials & Interfaces, 2020, 12, 22492-22498. | 4.0 | 17 |

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|---|---|---|---|
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