

Zhimou Yang

List of Publications by Citations

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207
papers

12,873
citations

60
h-index

108
g-index

220
ext. papers

14,220
ext. citations

9.1
avg, IF

6.49
L-index

#	Paper	IF	Citations
207	Enzymatic hydrogelation of small molecules. <i>Accounts of Chemical Research</i> , 2008 , 41, 315-26	24.3	563
206	Heterodimers of nanoparticles: formation at a liquid-liquid interface and particle-specific surface modification by functional molecules. <i>Journal of the American Chemical Society</i> , 2005 , 127, 34-5	16.4	509
205	Enzymatic Formation of Supramolecular Hydrogels. <i>Advanced Materials</i> , 2004 , 16, 1440-1444	24	497
204	Using a kinase/phosphatase switch to regulate a supramolecular hydrogel and forming the supramolecular hydrogel in vivo. <i>Journal of the American Chemical Society</i> , 2006 , 128, 3038-43	16.4	397
203	Supramolecular hydrogels respond to ligand-receptor interaction. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13680-1	16.4	392
202	A supramolecular-hydrogel-encapsulated hemin as an artificial enzyme to mimic peroxidase. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4285-9	16.4	331
201	Supramolecular hydrogel of a D-amino acid dipeptide for controlled drug release in vivo. <i>Langmuir</i> , 2009 , 25, 8419-22	4	234
200	Endothelialization and patency of RGD-functionalized vascular grafts in a rabbit carotid artery model. <i>Biomaterials</i> , 2012 , 33, 2880-91	15.6	228
199	Intracellular Enzymatic Formation of Nanofibers Results in Hydrogelation and Regulated Cell Death. <i>Advanced Materials</i> , 2007 , 19, 3152-3156	24	215
198	A biocompatible method of decorporation: bisphosphonate-modified magnetite nanoparticles to remove uranyl ions from blood. <i>Journal of the American Chemical Society</i> , 2006 , 128, 13358-9	16.4	205
197	A simple visual assay based on small molecule hydrogels for detecting inhibitors of enzymes. <i>Chemical Communications</i> , 2004 , 2424-5	5.8	202
196	Dephosphorylation of D-peptide derivatives to form biofunctional, supramolecular nanofibers/hydrogels and their potential applications for intracellular imaging and intratumoral chemotherapy. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9907-14	16.4	200
195	Supramolecular "Trojan Horse" for Nuclear Delivery of Dual Anticancer Drugs. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2876-2879	16.4	198
194	Integrating Enzymatic Self-Assembly and Mitochondria Targeting for Selectively Killing Cancer Cells without Acquired Drug Resistance. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16046-16055	16.4	198
193	D-glucosamine-based supramolecular hydrogels to improve wound healing. <i>Chemical Communications</i> , 2007 , 843-5	5.8	197
192	Small molecule hydrogels based on a class of antiinflammatory agents. <i>Chemical Communications</i> , 2004 , 208-9	5.8	189
191	Using beta-lactamase to trigger supramolecular hydrogelation. <i>Journal of the American Chemical Society</i> , 2007 , 129, 266-7	16.4	188

190	Intracellular hydrogelation of small molecules inhibits bacterial growth. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8216-9	16.4	185
189	Conjugates of naphthalene and dipeptides produce molecular hydrogelators with high efficiency of hydrogelation and superhelical nanofibers. <i>Journal of Materials Chemistry</i> , 2007 , 17, 850-854		175
188	Supramolecular hydrogels based on biofunctional nanofibers of self-assembled small molecules. <i>Journal of Materials Chemistry</i> , 2007 , 17, 2385		165
187	Enzyme promotes the hydrogelation from a hydrophobic small molecule. <i>Journal of the American Chemical Society</i> , 2009 , 131, 11286-7	16.4	159
186	The inhibition of tumor growth and metastasis by self-assembled nanofibers of taxol. <i>Biomaterials</i> , 2012 , 33, 5848-53	15.6	156
185	Self-assembling small molecules for the detection of important analytes. <i>Chemical Society Reviews</i> , 2014 , 43, 7257-66	58.5	154
184	Synthesis and cellular uptake of porphyrin decorated iron oxide nanoparticles-a potential candidate for bimodal anticancer therapy. <i>Chemical Communications</i> , 2005 , 4270-2	5.8	154
183	Tandem Molecular Self-Assembly in Liver Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1813-1816	16.4	151
182	Molecular recognition remodels the self-assembly of hydrogelators and increases the elasticity of the hydrogel by 10(6)-fold. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15028-9	16.4	151
181	IRay-responsive supramolecular hydrogel based on a diselenide-containing polymer and a peptide. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6233-7	16.4	150
180	Self-assembly of small molecules affords multifunctional supramolecular hydrogels for topically treating simulated uranium wounds. <i>Chemical Communications</i> , 2005 , 4414-6	5.8	144
179	A peptide-based nanofibrous hydrogel as a promising DNA nanovector for optimizing the efficacy of HIV vaccine. <i>Nano Letters</i> , 2014 , 14, 1439-45	11.5	136
178	A Powerful CD8 T-Cell Stimulating D-Tetra-Peptide Hydrogel as a Very Promising Vaccine Adjuvant. <i>Advanced Materials</i> , 2017 , 29, 1601776	24	135
177	In vitro and in vivo enzymatic formation of supramolecular hydrogels based on self-assembled nanofibers of a beta-amino acid derivative. <i>Small</i> , 2007 , 3, 558-62	11	131
176	Enzyme-Instructioned Intracellular Molecular Self-Assembly to Boost Activity of Cisplatin against Drug-Resistant Ovarian Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13307-11	16.4	130
175	Enzyme-Catalyzed Formation of Supramolecular Hydrogels as Promising Vaccine Adjuvants. <i>Advanced Functional Materials</i> , 2016 , 26, 1822-1829	15.6	124
174	Precise and long-term tracking of adipose-derived stem cells and their regenerative capacity via superb bright and stable organic nanodots. <i>ACS Nano</i> , 2014 , 8, 12620-31	16.7	124
173	Rational design of a tetrameric protein to enhance interactions between self-assembled fibers gives molecular hydrogels. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4388-92	16.4	119

172	Molecular hydrogel-immobilized enzymes exhibit superactivity and high stability in organic solvents. <i>Chemical Communications</i> , 2007 , 1032-4	5.8	119
171	Supramolecular hydrogels based on beta-amino acid derivatives. <i>Chemical Communications</i> , 2006 , 738-40	5.8	112
170	Switchable catalytic activity: selenium-containing peptides with redox-controllable self-assembly properties. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7781-5	16.4	109
169	Short-peptide-based molecular hydrogels: novel gelation strategies and applications for tissue engineering and drug delivery. <i>Nanoscale</i> , 2012 , 4, 5259-67	7.7	108
168	Conjugation of two complementary anti-cancer drugs confers molecular hydrogels as a co-delivery system. <i>Chemical Communications</i> , 2012 , 48, 395-7	5.8	101
167	When molecular probes meet self-assembly: an enhanced quenching effect. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4823-7	16.4	98
166	Enzymatic hydrogelation to immobilize an enzyme for high activity and stability. <i>Soft Matter</i> , 2008 , 4, 550-553	3.6	98
165	Enzyme-instructed self-assembly of peptide derivatives to form nanofibers and hydrogels. <i>Biopolymers</i> , 2010 , 94, 19-31	2.2	95
164	Self-assembled nanospheres as a novel delivery system for taxol: a molecular hydrogel with nanosphere morphology. <i>Chemical Communications</i> , 2011 , 47, 4439-41	5.8	93
163	Incorporation of supramolecular hydrogels into agarose hydrogels—potential drug delivery carrier. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7892		88
162	Enzyme-Instructed Self-Assembly (EISA) and Hydrogelation of Peptides. <i>Advanced Materials</i> , 2020 , 32, e1805798	24	88
161	Exceptionally small supramolecular hydrogelators based on aromatic-aromatic interactions. <i>Beilstein Journal of Organic Chemistry</i> , 2011 , 7, 167-72	2.5	84
160	Peptide-Induced AIEgen Self-Assembly: A New Strategy to Realize Highly Sensitive Fluorescent Light-Up Probes. <i>Analytical Chemistry</i> , 2016 , 88, 3872-8	7.8	81
159	Self-assembly-induced far-red/near-infrared fluorescence light-up for detecting and visualizing specific protein-Peptide interactions. <i>ACS Nano</i> , 2014 , 8, 1475-84	16.7	76
158	Molecular hydrogels of hydrophobic compounds: a novel self-delivery system for anti-cancer drugs. <i>Soft Matter</i> , 2012 , 8, 2344-2347	3.6	75
157	Enzymatic control of the self-assembly of small molecules: a new way to generate supramolecular hydrogels. <i>Soft Matter</i> , 2007 , 3, 515-520	3.6	75
156	Disulfide bond as a cleavable linker for molecular self-assembly and hydrogelation. <i>Chemical Communications</i> , 2011 , 47, 1619-21	5.8	71
155	Surface-induced hydrogelation inhibits platelet aggregation. <i>Journal of the American Chemical Society</i> , 2013 , 135, 266-71	16.4	68

154	A structure-gelation ability study in a short peptide-based Super Hydrogelator system. <i>Soft Matter</i> , 2011 , 7, 3897	3.6	68
153	Phenothiazine as an aromatic capping group to construct a short peptide-based 'super gelator'. <i>Chemical Communications</i> , 2013 , 49, 1853-5	5.8	66
152	Cooperative self-assembly of peptide gelators and proteins. <i>Biomacromolecules</i> , 2013 , 14, 4368-76	6.9	66
151	Enzyme-controllable delivery of nitric oxide from a molecular hydrogel. <i>Chemical Communications</i> , 2013 , 49, 9173-5	5.8	62
150	Responsive small molecular hydrogels based on adamantane-peptides for cell culture. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 633-8	3.4	62
149	Self-assembling peptide of D-amino acids boosts selectivity and antitumor efficacy of 10-hydroxycamptothecin. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 5558-65	9.5	60
148	A Supramolecular-Hydrogel-Encapsulated Hemin as an Artificial Enzyme to Mimic Peroxidase. <i>Angewandte Chemie</i> , 2007 , 119, 4363-4367	3.6	59
147	Supramolecular hydrogels inspired by collagen for tissue engineering. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 3267-71	3.9	58
146	Controlling peptidebased hydrogelation. <i>Materials Today</i> , 2012 , 15, 500-507	21.8	56
145	Ray-Responsive Supramolecular Hydrogel Based on a Diselenide-Containing Polymer and a Peptide. <i>Angewandte Chemie</i> , 2013 , 125, 6353-6357	3.6	55
144	High catalytic activities of artificial peroxidases based on supramolecular hydrogels that contain heme models. <i>Chemistry - A European Journal</i> , 2008 , 14, 5073-8	4.8	55
143	Environment-sensitive fluorescent supramolecular nanofibers for imaging applications. <i>Analytical Chemistry</i> , 2014 , 86, 2193-9	7.8	54
142	Phenyl groups in supramolecular nanofibers confer hydrogels with high elasticity and rapid recovery. <i>Journal of Materials Chemistry</i> , 2010 , 20, 2128		54
141	Dynamic biostability, biodistribution, and toxicity of L/D-peptide-based supramolecular nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 2735-44	9.5	50
140	Controlling self-assembly within nanospace for peptidenanoparticle fabrication. <i>Soft Matter</i> , 2008 , 4, 1617-1620	3.6	49
139	Dual enzymes regulate the molecular self-assembly of tetra-peptide derivatives. <i>Soft Matter</i> , 2011 , 7, 10443	3.6	47
138	Supramolecular Nanofibers Containing Arginine-Glycine-Aspartate (RGD) Peptides Boost Therapeutic Efficacy of Extracellular Vesicles in Kidney Repair. <i>ACS Nano</i> , 2020 , 14, 12133-12147	16.7	47
137	A supramolecular hydrogelator of curcumin. <i>Chemical Communications</i> , 2014 , 50, 9413-5	5.8	46

136	Folic Acid Derived Hydrogel Enhances the Survival and Promotes Therapeutic Efficacy of iPS Cells for Acute Myocardial Infarction. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 24459-24468	9.5	46
135	Cancer vaccines using supramolecular hydrogels of NSAID-modified peptides as adjuvants abolish tumorigenesis. <i>Nanoscale</i> , 2017 , 9, 14058-14064	7.7	45
134	Supramolecular Nanofibers with Superior Bioactivity to Insulin-Like Growth Factor-I. <i>Nano Letters</i> , 2019 , 19, 1560-1569	11.5	44
133	Rational design of a photo-responsive UVR8-derived protein and a self-assembling peptide-protein conjugate for responsive hydrogel formation. <i>Nanoscale</i> , 2015 , 7, 16666-70	7.7	44
132	Supramolecular Nanofibers of Curcumin for Highly Amplified Radiosensitization of Colorectal Cancers to Ionizing Radiation. <i>Advanced Functional Materials</i> , 2018 , 28, 1707140	15.6	44
131	Enhanced cellular uptake and nuclear accumulation of drug-peptide nanomedicines prepared by enzyme-instructed self-assembly. <i>Journal of Controlled Release</i> , 2020 , 317, 109-117	11.7	44
130	Disulfide bond reduction-triggered molecular hydrogels of folic acid-Taxol conjugates. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 6946-51	3.9	43
129	Recombinant proteins as cross-linkers for hydrogelations. <i>Chemical Society Reviews</i> , 2013 , 42, 891-901	58.5	43
128	Enzyme-assisted peptide folding, assembly and anti-cancer properties. <i>Nanoscale</i> , 2017 , 9, 11987-11993	7.7	43
127	Enzyme-triggered self-assembly of a small molecule: a supramolecular hydrogel with leaf-like structures and an ultra-low minimum gelation concentration. <i>Nanotechnology</i> , 2010 , 21, 225606	3.4	43
126	Spatiotemporal Control of Supramolecular Self-Assembly and Function. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10012-10018	9.5	42
125	Selectively Inducing Cancer Cell Death by Intracellular Enzyme-Instructed Self-Assembly (EISA) of Dipeptide Derivatives. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601400	10.1	41
124	A Glycyrrhetic Acid-Modified Curcumin Supramolecular Hydrogel for liver tumor targeting therapy. <i>Scientific Reports</i> , 2017 , 7, 44210	4.9	41
123	A hybrid hydrogel for efficient removal of methyl violet from aqueous solutions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 80, 155-60	6	40
122	Visualized detection of melamine in milk by supramolecular hydrogelations. <i>Chemical Communications</i> , 2014 , 50, 12873-6	5.8	38
121	Self-assembled hybrid nanofibers confer a magnetorheological supramolecular hydrogel. <i>Tetrahedron</i> , 2007 , 63, 7349-7357	2.4	38
120	Tandem Molecular Self-Assembly in Liver Cancer Cells. <i>Angewandte Chemie</i> , 2018 , 130, 1831-1834	3.6	37
119	Interfacial self-assembly leads to formation of fluorescent nanoparticles for simultaneous bacterial detection and inhibition. <i>Chemical Communications</i> , 2014 , 50, 3473-5	5.8	37

118	A saccharide-based supramolecular hydrogel for cell culture. <i>Carbohydrate Research</i> , 2011 , 346, 1013-7	2.9	37
117	Using Congo red to report intracellular hydrogelation resulted from self-assembly of small molecules. <i>Chemical Communications</i> , 2007 , 4096-8	5.8	37
116	Enzyme-Instructed Intracellular Molecular Self-Assembly to Boost Activity of Cisplatin against Drug-Resistant Ovarian Cancer Cells. <i>Angewandte Chemie</i> , 2015 , 127, 13505-13509	3.6	36
115	Highly stable surface modifications of poly(3-caprolactone) (PCL) films by molecular self-assembly to promote cells adhesion and proliferation. <i>Chemical Communications</i> , 2011 , 47, 8901-3	5.8	36
114	Multifunctional biohybrid hydrogels for cell culture and controlled drug release. <i>Chemical Communications</i> , 2013 , 49, 7448-50	5.8	35
113	Rational Design of a Tetrameric Protein to Enhance Interactions between Self-Assembled Fibers Gives Molecular Hydrogels. <i>Angewandte Chemie</i> , 2012 , 124, 4464-4468	3.6	35
112	Facet-Selective 2D Self-Assembly of TiO ₂ Nanoleaves via Supramolecular Interactions. <i>Chemistry of Materials</i> , 2008 , 20, 7514-7520	9.6	34
111	The first pamidronate containing polymer and copolymer. <i>Chemical Communications</i> , 2006 , 2795-7	5.8	34
110	Glutathione-triggered formation of molecular hydrogels for 3D cell culture. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 108, 352-7	6	33
109	Anti-degradation of a recombinant complex protein by incorporation in small molecular hydrogels. <i>Chemical Communications</i> , 2011 , 47, 955-7	5.8	32
108	Responsive peptide-based supramolecular hydrogels constructed by self-immolative chemistry. <i>Nanoscale</i> , 2018 , 10, 21459-21465	7.7	32
107	Supramolecular nanofibers of self-assembling peptides and proteins for protein delivery. <i>Chemical Communications</i> , 2015 , 51, 14239-42	5.8	31
106	A polymer additive boosts the anti-cancer efficacy of supramolecular nanofibers of taxol. <i>Biomaterials Science</i> , 2014 , 2, 651-654	7.4	31
105	Design, syntheses, and evaluation of Taspase1 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 5086-90	2.9	31
104	In situ generated D-peptidic nanofibrils as multifaceted apoptotic inducers to target cancer cells. <i>Cell Death and Disease</i> , 2017 , 8, e2614	9.8	30
103	Multi-responsive supramolecular hydrogels for drug delivery. <i>Chemical Communications</i> , 2015 , 51, 15265-78	5.7	30
102	Using a mild hydrogelation process to confer stable hybrid hydrogels for enzyme immobilization. <i>RSC Advances</i> , 2013 , 3, 16739	3.7	29
101	Molecular hydrogelators consist of Taxol and short peptides/amino acids. <i>Journal of Materials Chemistry</i> , 2012 , 22, 16933		29

100	Switchable Catalytic Activity: Selenium-Containing Peptides with Redox-Controllable Self-Assembly Properties. <i>Angewandte Chemie</i> , 2013 , 125, 7935-7939	3.6	29
99	A Mixed Component Supramolecular Hydrogel to Improve Mice Cardiac Function and Alleviate Ventricular Remodeling after Acute Myocardial Infarction. <i>Advanced Functional Materials</i> , 2017 , 27, 1701798	15.6	28
98	Biocompatible fluorescent supramolecular nanofibrous hydrogel for long-term cell tracking and tumor imaging applications. <i>Scientific Reports</i> , 2015 , 5, 16680	4.9	27
97	Janus nanogels of PEGylated Taxol and PLGA-PEG-PLGA copolymer for cancer therapy. <i>Nanoscale</i> , 2013 , 5, 9902-7	7.7	27
96	Supramolecular nanofibers of triamcinolone acetonide for uveitis therapy. <i>Nanoscale</i> , 2014 , 6, 14488-94	7.7	26
95	A thixotropic molecular hydrogel selectively enhances Flk1 expression in differentiated murine embryonic stem cells. <i>Soft Matter</i> , 2011 , 7, 5430	3.6	25
94	Surface-Induced Hydrogelation for Fluorescence and Naked-Eye Detections of Enzyme Activity in Blood. <i>Analytical Chemistry</i> , 2016 , 88, 7318-23	7.8	24
93	Galactosidase instructed supramolecular hydrogelation for selective identification and removal of senescent cells. <i>Chemical Communications</i> , 2019 , 55, 7175-7178	5.8	23
92	Optimized Ratiometric Fluorescent Probes by Peptide Self-Assembly. <i>Analytical Chemistry</i> , 2016 , 88, 740-5	7.8	23
91	BSA-stabilized molecular hydrogels of a hydrophobic compound. <i>Nanoscale</i> , 2012 , 4, 3047-9	7.7	23
90	Folic acid as a versatile motif to construct molecular hydrogelators through conjugations with hydrophobic therapeutic agents. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21838		23
89	Intracellular Hydrogelation of Small Molecules Inhibits Bacterial Growth. <i>Angewandte Chemie</i> , 2007 , 119, 8364-8367	3.6	23
88	Supramolecular Nanofibers of Drug-Peptide Amphiphile and Affibody Suppress HER2+ Tumor Growth. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800899	10.1	23
87	Cellular membrane enrichment of self-assembling D-peptides for cell surface engineering. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 9815-21	9.5	22
86	Potentiating the immune response of MUC1-based antitumor vaccines using a peptide-based nanovector as a promising vaccine adjuvant. <i>Chemical Communications</i> , 2017 , 53, 9486-9489	5.8	22
85	Molecular hydrogelators of peptoid-peptide conjugates with superior stability against enzyme digestion. <i>Nanoscale</i> , 2012 , 4, 3644-6	7.7	22
84	Bisphosphonate-containing supramolecular hydrogels for topical decorporation of uranium-contaminated wounds in mice. <i>International Journal of Radiation Biology</i> , 2008 , 84, 353-62	2.9	22
83	Narrowing the diversification of supramolecular assemblies by preorganization. <i>Chemical Communications</i> , 2018 , 54, 2751-2754	5.8	21

82	Far-red/near-infrared fluorescence light-up probes for specific in vitro and in vivo imaging of a tumour-related protein. <i>Scientific Reports</i> , 2016 , 6, 23190	4.9	21
81	Using enzymatic reactions to enhance the photodynamic therapy effect of porphyrin dityrosine phosphates. <i>Chemical Communications</i> , 2006 , 5021-3	5.8	21
80	In situ formation of peptidic nanofibers can fundamentally optimize the quality of immune responses against HIV vaccine. <i>Nanoscale Horizons</i> , 2016 , 1, 135-143	10.8	20
79	Gemcitabine induced supramolecular hydrogelations of aldehyde-containing short peptides. <i>RSC Advances</i> , 2014 , 4, 34729-34732	3.7	20
78	A novel thermogel system of self-assembling peptides manipulated by enzymatic dephosphorylation. <i>Chemical Communications</i> , 2019 , 55, 5123-5126	5.8	19
77	Galactosidase responsive AIE fluorogene for identification and removal of senescent cancer cells. <i>Science China Chemistry</i> , 2020 , 63, 398-403	7.9	19
76	A versatile supramolecular nanoadjuvant that activates NF- κ B for cancer immunotherapy. <i>Theranostics</i> , 2019 , 9, 3388-3397	12.1	18
75	Single Dose of Protein Vaccine with Peptide Nanofibers As Adjuvants Elicits Long-Lasting Antibody Titer. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 2000-2006	5.5	18
74	In situ enzymatic formation of supramolecular nanofibers for efficiently killing cancer cells. <i>RSC Advances</i> , 2016 , 6, 32519-32522	3.7	18
73	Selective pericellular hydrogelation by the overexpression of an enzyme and a membrane receptor. <i>Nanoscale</i> , 2019 , 11, 13714-13719	7.7	18
72	Supramolecular hydrogel of kanamycin selectively sequesters 16S rRNA. <i>Chemical Communications</i> , 2012 , 48, 9257-9	5.8	18
71	Supramolecular Self-Assembly-Facilitated Aggregation of Tumor-Specific Transmembrane Receptors for Signaling Activation and Converting Immunologically Cold to Hot Tumors. <i>Advanced Materials</i> , 2021 , 33, e2008518	24	18
70	Peptide-based supramolecular hydrogels for local drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2021 , 174, 482-503	18.5	18
69	Rational design of multifunctional hetero-hexameric proteins for hydrogel formation and controlled delivery of bioactive molecules. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1804-11	10.1	17
68	Enzyme-assisted formation of nanosphere: a potential carrier for hydrophobic compounds. <i>Nanotechnology</i> , 2010 , 21, 155602	3.4	17
67	Nuclear delivery of dual anticancer drug-based nanomedicine constructed by cisplatinum-induced peptide self-assembly. <i>Nanoscale</i> , 2020 , 12, 15275-15282	7.7	16
66	Glutathione-triggered formation of a Fmoc-protected short peptide-based supramolecular hydrogel. <i>PLoS ONE</i> , 2014 , 9, e106968	3.7	16
65	A novel mixed-component molecular hydrogel system with excellent stabilities. <i>Chemical Communications</i> , 2012 , 48, 6175-7	5.8	16

64	Directional molecular sliding movement in peptide hydrogels accelerates cell proliferation. <i>Chemical Science</i> , 2019 , 11, 1383-1393	9.4	16
63	A supramolecular protein chaperone for vaccine delivery. <i>Theranostics</i> , 2020 , 10, 657-670	12.1	16
62	Anticancer Supramolecular Hydrogel of D/L-Peptide with Enhanced Stability and Bioactivity. <i>Journal of Biomedical Nanotechnology</i> , 2018 , 14, 1125-1134	4	15
61	Use of activity-based probes to develop high throughput screening assays that can be performed in complex cell extracts. <i>PLoS ONE</i> , 2010 , 5, e11985	3.7	15
60	Enzyme-Instructed Self-Assembly Enabled Monomer-Excimer Transition to Construct Higher Ordered Luminescent Supramolecular Assembly for Activity-based Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8121-8129	16.4	15
59	Using matrix metalloprotease-9 (MMP-9) to trigger supramolecular hydrogelation. <i>Soft Matter</i> , 2009 ,	3.6	14
58	Enzymatic induction of supramolecular order and bioactivity. <i>Nanoscale</i> , 2016 , 8, 10768-73	7.7	14
57	Evaluation of alpha,beta-unsaturated ketone-based probes for papain-family cysteine proteases. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 1071-8	3.4	13
56	Tandem Molecular Self-Assembly Selectively Inhibits Lung Cancer Cells by Inducing Endoplasmic Reticulum Stress. <i>Research</i> , 2019 , 2019, 4803624	7.8	13
55	A strong CD8 T cell-stimulating supramolecular hydrogel. <i>Nanoscale</i> , 2020 , 12, 2111-2117	7.7	13
54	An Ultrashort Peptide-Based Supramolecular Hydrogel Mimicking IGF-1 to Alleviate Glucocorticoid-Induced Sarcopenia. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 34678-34688	9.5	13
53	From mouse to mouse-ear cross: Nanomaterials as vehicles in plant biotechnology. <i>Exploration</i> , 2021 , 1, 9-20		13
52	Gd(III)-induced Supramolecular Hydrogelation with Enhanced Magnetic Resonance Performance for Enzyme Detection. <i>Scientific Reports</i> , 2017 , 7, 40172	4.9	12
51	Delivery of MSCs with a Hybrid Sheet Peptide Hydrogel Consisting IGF-1C Domain and D-Form Peptide for Acute Kidney Injury Therapy. <i>International Journal of Nanomedicine</i> , 2020 , 15, 4311-4324	7.3	12
50	Kinetic control over supramolecular hydrogelation and anticancer properties of taxol. <i>Chemical Communications</i> , 2018 , 54, 755-758	5.8	12
49	A Supramolecular Trident For Cancer Immunotherapy. <i>Advanced Functional Materials</i> , 2021 , 31, 2100729	15.6	12
48	A Peptide-Based Supramolecular Hydrogel for Controlled Delivery of Amine Drugs. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3460-3463	4.5	11
47	Nanostructure formation-induced fluorescence turn-on for selectively detecting protein thiols in solutions, bacteria and live cells. <i>Chemical Communications</i> , 2015 , 51, 10758-61	5.8	11

46	Synthetic studies on nonthrombogenic biomaterials 14: synthesis and characterization of poly(ether-urethane) bearing a Zwitterionic structure of phosphorylcholine on the surface. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003 , 14, 707-18	3.5	11
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