Zhimou Yang

List of Publications by Year in Descending Order

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	Seamless and early gap healing of osteochondral defects by autologous mosaicplasty combined with bioactive supramolecular nanofiber-enabled gelatin methacryloyl (BSN-GelMA) hydrogel.. *Bioactive Materials*, **2023**, 19, 88-102	16.7	1
206	A supramolecular hydrogel based on the combination of YIGSR and RGD enhances mesenchymal stem cells paracrine function via integrin 21 and PI3K/AKT signaling pathway for acute kidney injury therapy. *Chemical Engineering Journal*, **2022**, 135088	14.7	0
205	Organelle-inspired supramolecular nanomedicine to precisely abolish liver tumor growth and metastasis. *Bioactive Materials*, **2022**, 9, 120-133	16.7	2
204	PDGF-BB-derived supramolecular hydrogel for promoting skin wound healing.. *Journal of Nanobiotechnology*, **2022**, 20, 201	9.4	0
203	Enzyme-instructed self-assembly enabled fluorescence light-up for alkaline phosphatase detection. *Talanta*, **2021**, 239, 123078	6.2	0
202	Naphthalenephenylalanine-phenylalanine-glycine-arginine-glycine-aspartic promotes self-assembly of nephron progenitor cells in decellularized scaffolds to construct bioengineered kidneys.. *Materials Science and Engineering C*, **2021**, 112590	8.3	0
201	Enzyme-Instructed Self-Assembly Enabled Monomer-Excimer Transition to Construct Higher Ordered Luminescent Supramolecular Assembly for Activity-based Bioimaging. *Angewandte Chemie - International Edition*, **2021**, 60, 8121-8129	16.4	15
200	Supramolecular Self-Assembly-Facilitated Aggregation of Tumor-Specific Transmembrane Receptors for Signaling Activation and Converting Immunologically Cold to Hot Tumors. *Advanced Materials*, **2021**, 33, e2008518	24	18
199	A Supramolecular Trident for Cancer Immunotherapy. *Advanced Functional Materials*, **2021**, 31, 2100729	15.6	12
198	An Insulin-Inspired Supramolecular Hydrogel for Prevention of Type 1 Diabetes. *Advanced Science*, **2021**, 8, 2003599	13.6	6
197	Supramolecular hydrogels of self-assembled zwitterionic-peptides. *Chinese Chemical Letters*, **2021**, 32, 3636-3636	8.1	4
196	PDGF-mimicking supramolecular nanofibers for ionizing radiation-induced injury repair. *Chemical Engineering Journal*, **2021**, 410, 128309	14.7	6
195	Preorganization boosts the artificial esterase activity of a self-assembling peptide. *Science China Chemistry*, **2021**, 64, 1554-1559	7.9	3
194	Peptide-based supramolecular hydrogels for local drug delivery. *Advanced Drug Delivery Reviews*, **2021**, 174, 482-503	18.5	18
193	An injectable hydrogel to reverse the adverse microenvironment of diabetic infarcted heart. *Materialia*, **2021**, 15, 100957	3.2	4
192	Tandem molecular self-assembly for selective lung cancer therapy with an increase in efficiency by two orders of magnitude. *Nanoscale*, **2021**, 13, 10891-10897	7.7	3
191	Targeting macrophage liver X receptors by hydrogel-encapsulated T0901317 reduces atherosclerosis without effect on hepatic lipogenesis. *British Journal of Pharmacology*, **2021**, 178, 1620-1638	8.6	1

190	Enzyme-Instructed Self-Assembly Enabled Monomer–Excimer Transition to Construct Higher Ordered Luminescent Supramolecular Assembly for Activity-based Bioimaging. *Angewandte Chemie* , **2021**, 133, 8202-8210	3.6	2
189	Hierarchical Nanostructured Electrospun Membrane with Periosteum-Mimic Microenvironment for Enhanced Bone Regeneration. *Advanced Healthcare Materials*, **2021**, 10, e2101195	10.1	7
188	From mouse to mouse-ear cress: Nanomaterials as vehicles in plant biotechnology. *Exploration*, **2021**, 1, 9-20		13
187	Selective Degradation of PD-L1 in Cancer Cells by Enzyme-Instructed Self-Assembly. *Advanced Functional Materials*, **2021**, 31, 2102505	15.6	4
186	Supramolecular nanofibers with superior anti-angiogenesis and antitumor properties by enzyme-instructed self-assembly (EISA). *Chemical Engineering Journal*, **2021**, 425, 130531	14.7	2
185	Dual-ligand supramolecular nanofibers inspired by the renin-angiotensin system for the targeting and synergistic therapy of myocardial infarction. *Theranostics*, **2021**, 11, 3725-3741	12.1	7
184	Encapsulation of LXR ligand by D-Nap-GFFY hydrogel enhances anti-tumorigenic actions of LXR and removes LXR-induced lipogenesis. *Theranostics*, **2021**, 11, 2634-2654	12.1	3
183	Preorganization Increases the Self-Assembling Ability and Antitumor Efficacy of Peptide Nanomedicine. *ACS Applied Materials & Interfaces*, **2020**, 12, 22492-22498	9.5	10
182	Nuclear delivery of dual anticancer drug-based nanomedicine constructed by cisplatinum-induced peptide self-assembly. *Nanoscale*, **2020**, 12, 15275-15282	7.7	16
181	Delivery of MSCs with a Hybrid β-Sheet Peptide Hydrogel Consisting IGF-1C Domain and D-Form Peptide for Acute Kidney Injury Therapy. *International Journal of Nanomedicine*, **2020**, 15, 4311-4324	7.3	12
180	β-galactosidase responsive AIE fluorogene for identification and removal of senescent cancer cells. *Science China Chemistry*, **2020**, 63, 398-403	7.9	19
179	Self-Assembling Peptides for Vaccine Development and Antibody Production **2020**, 1497-1517		
178	A strong CD8 T cell-stimulating supramolecular hydrogel. *Nanoscale*, **2020**, 12, 2111-2117	7.7	13
177	A supramolecular protein chaperone for vaccine delivery. *Theranostics*, **2020**, 10, 657-670	12.1	16
176	Enhanced cellular uptake and nuclear accumulation of drug-peptide nanomedicines prepared by enzyme-instructed self-assembly. *Journal of Controlled Release*, **2020**, 317, 109-117	11.7	44
175	Pathway-dependent supramolecular polymerization of camptothecin derivatives into filaments for chemotherapy and imaging. *Applied Materials Today*, **2020**, 20, 100787	6.6	
174	An Ultrashort Peptide-Based Supramolecular Hydrogel Mimicking IGF-1 to Alleviate Glucocorticoid-Induced Sarcopenia. *ACS Applied Materials & Interfaces*, **2020**, 12, 34678-34688	9.5	13
173	Supramolecular Nanofibers Containing Arginine-Glycine-Aspartate (RGD) Peptides Boost Therapeutic Efficacy of Extracellular Vesicles in Kidney Repair. *ACS Nano*, **2020**, 14, 12133-12147	16.7	47

172	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	5.6	11
171	Enzyme-Instructed Self-Assembly (EISA) and Hydrogelation of Peptides. *Advanced Materials*, **2020**, 32, e1805798	24	88
170	A supramolecular hydrogel to boost the production of antibodies for phosphorylated proteins. *Chemical Communications*, **2019**, 55, 12388-12391	5.8	10
169	A versatile supramolecular nanoadjuvant that activates NF-B for cancer immunotherapy. *Theranostics*, **2019**, 9, 3388-3397	12.1	18
168	Galactosidase instructed supramolecular hydrogelation for selective identification and removal of senescent cells. *Chemical Communications*, **2019**, 55, 7175-7178	5.8	23
167	Supramolecular protein glue to boost enzyme activity. *Science China Materials*, **2019**, 62, 1341-1349	7.1	6
166	A novel thermogel system of self-assembling peptides manipulated by enzymatic dephosphorylation. *Chemical Communications*, **2019**, 55, 5123-5126	5.8	19
165	Supramolecular Nanofibers with Superior Bioactivity to Insulin-Like Growth Factor-I. *Nano Letters*, **2019**, 19, 1560-1569	11.5	44
164	Selective pericellular hydrogelation by the overexpression of an enzyme and a membrane receptor. *Nanoscale*, **2019**, 11, 13714-13719	7.7	18
163	Self-Assembling Peptides for Vaccine Development and Antibody Production **2019**, 1-21		
162	Tandem Molecular Self-Assembly Selectively Inhibits Lung Cancer Cells by Inducing Endoplasmic Reticulum Stress. *Research*, **2019**, 2019, 4803624	7.8	13
161	Directional molecular sliding movement in peptide hydrogels accelerates cell proliferation. *Chemical Science*, **2019**, 11, 1383-1393	9.4	16
160	Narrowing the diversification of supramolecular assemblies by preorganization. *Chemical Communications*, **2018**, 54, 2751-2754	5.8	21
159	Tandem Molecular Self-Assembly in Liver Cancer Cells. *Angewandte Chemie*, **2018**, 130, 1831-1834	3.6	37
158	Supramolecular Nanofibers of Curcumin for Highly Amplified Radiosensitization of Colorectal Cancers to Ionizing Radiation. *Advanced Functional Materials*, **2018**, 28, 1707140	15.6	44
157	Tandem Molecular Self-Assembly in Liver Cancer Cells. *Angewandte Chemie - International Edition*, **2018**, 57, 1813-1816	16.4	151
156	Kinetic control over supramolecular hydrogelation and anticancer properties of taxol. *Chemical Communications*, **2018**, 54, 755-758	5.8	12
155	Single Dose of Protein Vaccine with Peptide Nanofibers As Adjuvants Elicits Long-Lasting Antibody Titer. *ACS Biomaterials Science and Engineering*, **2018**, 4, 2000-2006	5.5	18

154	Bifunctional Supramolecular Hydrogel Alleviates Myocardial Ischemia/Reperfusion Injury by Inhibiting Autophagy and Apoptosis. *Journal of Biomedical Nanotechnology*, **2018**, 14, 1458-1470	4	9
153	Anticancer Supramolecular Hydrogel of D/L-Peptide with Enhanced Stability and Bioactivity. *Journal of Biomedical Nanotechnology*, **2018**, 14, 1125-1134	4	15
152	A Peptide-Based Supramolecular Hydrogel for Controlled Delivery of Amine Drugs. *Chemistry - an Asian Journal*, **2018**, 13, 3460-3463	4.5	11
151	Responsive peptide-based supramolecular hydrogels constructed by self-immolative chemistry. *Nanoscale*, **2018**, 10, 21459-21465	7.7	32
150	A supramolecular hydrogel for spatial-temporal release of auxin to promote plant root growth. *Chemical Communications*, **2018**, 54, 11721-11724	5.8	7
149	Supramolecular Nanofibers of Drug-Peptide Amphiphile and Affibody Suppress HER2+ Tumor Growth. *Advanced Healthcare Materials*, **2018**, 7, e1800899	10.1	23
148	Fast naked-eye detection of zinc ions by molecular assembly-assisted polymerization of diacetylene. *Nanoscale*, **2018**, 10, 18829-18834	7.7	6
147	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	9.5	46
146	Selectively Inducing Cancer Cell Death by Intracellular Enzyme-Instructed Self-Assembly (EISA) of Dipeptide Derivatives. *Advanced Healthcare Materials*, **2017**, 6, 1601400	10.1	41
145	In situ generated D-peptidic nanofibrils as multifaceted apoptotic inducers to target cancer cells. *Cell Death and Disease*, **2017**, 8, e2614	9.8	30
144	Spatiotemporal Control of Supramolecular Self-Assembly and Function. *ACS Applied Materials & Interfaces*, **2017**, 9, 10012-10018	9.5	42
143	A Glycyrrhetinic Acid-Modified Curcumin Supramolecular Hydrogel for liver tumor targeting therapy. *Scientific Reports*, **2017**, 7, 44210	4.9	41
142	Gd(III)-induced Supramolecular Hydrogelation with Enhanced Magnetic Resonance Performance for Enzyme Detection. *Scientific Reports*, **2017**, 7, 40172	4.9	12
141	Supramolecular "Trojan Horse" for Nuclear Delivery of Dual Anticancer Drugs. *Journal of the American Chemical Society*, **2017**, 139, 2876-2879	16.4	198
140	Supramolecular Hydrogels of Indole-Capped Short Peptides as Vaccine Adjuvants. *Chinese Journal of Chemistry*, **2017**, 35, 1057-1062	4.9	7
139	Supramolecular silk from a peptide hydrogel. *Materials Chemistry Frontiers*, **2017**, 1, 911-915	7.8	2
138	Cancer vaccines using supramolecular hydrogels of NSAID-modified peptides as adjuvants abolish tumorigenesis. *Nanoscale*, **2017**, 9, 14058-14064	7.7	45
137	A Mixed Component Supramolecular Hydrogel to Improve Mice Cardiac Function and Alleviate Ventricular Remodeling after Acute Myocardial Infarction. *Advanced Functional Materials*, **2017**, 27, 1701798	15.6	28

136	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	5.8	22
135	Enzyme-assisted peptide folding, assembly and anti-cancer properties. *Nanoscale*, **2017**, 9, 11987-11993	7.7	43
134	A Powerful CD8 T-Cell Stimulating D-Tetra-Peptide Hydrogel as a Very Promising Vaccine Adjuvant. *Advanced Materials*, **2017**, 29, 1601776	24	135
133	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	16.4	198
132	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	4.9	21
131	Enzyme-Catalyzed Formation of Supramolecular Hydrogels as Promising Vaccine Adjuvants. *Advanced Functional Materials*, **2016**, 26, 1822-1829	15.6	124
130	Supramolecular nanofibers of self-assembling peptides and DDP to inhibit cancer cell growth. *RSC Advances*, **2016**, 6, 56903-56906	3.7	4
129	Optimized Ratiometric Fluorescent Probes by Peptide Self-Assembly. *Analytical Chemistry*, **2016**, 88, 740-5	7.8	23
128	In situ enzymatic formation of supramolecular nanofibers for efficiently killing cancer cells. *RSC Advances*, **2016**, 6, 32519-32522	3.7	18
127	Imaging cellular distribution of fluorescent supramolecular nanofibers. *Science China Chemistry*, **2016**, 59, 719-723	7.9	4
126	Peptide-Induced AIEgen Self-Assembly: A New Strategy to Realize Highly Sensitive Fluorescent Light-Up Probes. *Analytical Chemistry*, **2016**, 88, 3872-8	7.8	81
125	In situ formation of peptidic nanofibers can fundamentally optimize the quality of immune responses against HIV vaccine. *Nanoscale Horizons*, **2016**, 1, 135-143	10.8	20
124	Surface-Induced Hydrogelation for Fluorescence and Naked-Eye Detections of Enzyme Activity in Blood. *Analytical Chemistry*, **2016**, 88, 7318-23	7.8	24
123	Enzymatic induction of supramolecular order and bioactivity. *Nanoscale*, **2016**, 8, 10768-73	7.7	14
122	Controlling the width of nanosheets by peptide length in peptoid–peptide biohybrid hydrogels. *RSC Advances*, **2016**, 6, 67025-67028	3.7	6
121	When molecular probes meet self-assembly: an enhanced quenching effect. *Angewandte Chemie - International Edition*, **2015**, 54, 4823-7	16.4	98
120	Supramolecular nanofibers of self-assembling peptides and proteins for protein delivery. *Chemical Communications*, **2015**, 51, 14239-42	5.8	31
119	Enzyme-Instructed Intracellular Molecular Self-Assembly to Boost Activity of Cisplatin against Drug-Resistant Ovarian Cancer Cells. *Angewandte Chemie*, **2015**, 127, 13505-13509	3.6	36

118	Visualized detection of vancomycin by supramolecular hydrogelations. *RSC Advances*, **2015**, 5, 80591-80595	3.7	
117	Multi-responsive supramolecular hydrogels for drug delivery. *Chemical Communications*, **2015**, 51, 15265-78	5.8	30
116	Rational design of a photo-responsive UVR8-derived protein and a self-assembling peptide-protein conjugate for responsive hydrogel formation. *Nanoscale*, **2015**, 7, 16666-70	7.7	44
115	Biocompatible fluorescent supramolecular nanofibrous hydrogel for long-term cell tracking and tumor imaging applications. *Scientific Reports*, **2015**, 5, 16680	4.9	27
114	Enzyme-Instructed Intracellular Molecular Self-Assembly to Boost Activity of Cisplatin against Drug-Resistant Ovarian Cancer Cells. *Angewandte Chemie - International Edition*, **2015**, 54, 13307-11	16.4	130
113	When Molecular Probes Meet Self-Assembly: An Enhanced Quenching Effect. *Angewandte Chemie*, **2015**, 127, 4905-4909	3.6	8
112	Nanostructure formation-induced fluorescence turn-on for selectively detecting protein thiols in solutions, bacteria and live cells. *Chemical Communications*, **2015**, 51, 10758-61	5.8	11
111	Dynamic biostability, biodistribution, and toxicity of L/D-peptide-based supramolecular nanofibers. *ACS Applied Materials & Interfaces*, **2015**, 7, 2735-44	9.5	50
110	A peptide-based nanofibrous hydrogel as a promising DNA nanovector for optimizing the efficacy of HIV vaccine. *Nano Letters*, **2014**, 14, 1439-45	11.5	136
109	Gemcitabine induced supramolecular hydrogelations of aldehyde-containing short peptides. *RSC Advances*, **2014**, 4, 34729-34732	3.7	20
108	Visualized detection of melamine in milk by supramolecular hydrogelations. *Chemical Communications*, **2014**, 50, 12873-6	5.8	38
107	D-amino acid doping peptide hydrogel for the production of a cell colony. *RSC Advances*, **2014**, 4, 9229	3.7	7
106	A supramolecular hydrogelator of curcumin. *Chemical Communications*, **2014**, 50, 9413-5	5.8	46
105	A polymer additive boosts the anti-cancer efficacy of supramolecular nanofibers of taxol. *Biomaterials Science*, **2014**, 2, 651-654	7.4	31
104	Interfacial self-assembly leads to formation of fluorescent nanoparticles for simultaneous bacterial detection and inhibition. *Chemical Communications*, **2014**, 50, 3473-5	5.8	37
103	Enzyme-controllable F-NMR turn on through disassembly of peptide-based nanospheres for enzyme detection. *Organic and Biomolecular Chemistry*, **2014**, 12, 1383-6	3.9	8
102	Self-assembling peptide of D-amino acids boosts selectivity and antitumor efficacy of 10-hydroxycamptothecin. *ACS Applied Materials & Interfaces*, **2014**, 6, 5558-65	9.5	60
101	Self-assembling small molecules for the detection of important analytes. *Chemical Society Reviews*, **2014**, 43, 7257-66	58.5	154

100	Supramolecular nanofibers of triamcinolone acetonide for uveitis therapy. *Nanoscale*, **2014**, 6, 14488-94	7.7	26
99	Environment-sensitive fluorescent supramolecular nanofibers for imaging applications. *Analytical Chemistry*, **2014**, 86, 2193-9	7.8	54
98	Self-assembly-induced far-red/near-infrared fluorescence light-up for detecting and visualizing specific protein-Peptide interactions. *ACS Nano*, **2014**, 8, 1475-84	16.7	76
97	Cellular membrane enrichment of self-assembling D-peptides for cell surface engineering. *ACS Applied Materials & Interfaces*, **2014**, 6, 9815-21	9.5	22
96	Self-assembling choline mimicks with enhanced binding affinities to C-LytA protein. *Scientific Reports*, **2014**, 4, 6621	4.9	2
95	Glutathione-triggered formation of a Fmoc-protected short peptide-based supramolecular hydrogel. *PLoS ONE*, **2014**, 9, e106968	3.7	16
94	Rational design of multifunctional hetero-hexameric proteins for hydrogel formation and controlled delivery of bioactive molecules. *Advanced Healthcare Materials*, **2014**, 3, 1804-11	10.1	17
93	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, 12620-31	16.7	124
92	Using phosphatases to generate self-assembled nanostructures and their applications. *Antioxidants and Redox Signaling*, **2014**, 20, 2179-90	8.4	8
91	Disulfide bond reduction-triggered molecular hydrogels of folic acid-Taxol conjugates. *Organic and Biomolecular Chemistry*, **2013**, 11, 6946-51	3.9	43
90	Multifunctional biohybrid hydrogels for cell culture and controlled drug release. *Chemical Communications*, **2013**, 49, 7448-50	5.8	35
89	Glutathione-triggered formation of molecular hydrogels for 3D cell culture. *Colloids and Surfaces B: Biointerfaces*, **2013**, 108, 352-7	6	33
88	Using a mild hydrogelation process to confer stable hybrid hydrogels for enzyme immobilization. *RSC Advances*, **2013**, 3, 16739	3.7	29
87	Enzyme-controllable delivery of nitric oxide from a molecular hydrogel. *Chemical Communications*, **2013**, 49, 9173-5	5.8	62
86	Recombinant proteins as cross-linkers for hydrogelations. *Chemical Society Reviews*, **2013**, 42, 891-901	58.5	43
85	Surface-induced hydrogelation inhibits platelet aggregation. *Journal of the American Chemical Society*, **2013**, 135, 266-71	16.4	68
84	Phenothiazine as an aromatic capping group to construct a short peptide-based 'super gelator'. *Chemical Communications*, **2013**, 49, 1853-5	5.8	66
83	Switchable catalytic activity: selenium-containing peptides with redox-controllable self-assembly properties. *Angewandte Chemie - International Edition*, **2013**, 52, 7781-5	16.4	109

82	Dephosphorylation of D-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, 9907-14	16.4	200
81	Ray-responsive supramolecular hydrogel based on a diselenide-containing polymer and a peptide. *Angewandte Chemie - International Edition*, **2013**, 52, 6233-7	16.4	150
80	Ray-Responsive Supramolecular Hydrogel Based on a Diselenide-Containing Polymer and a Peptide. *Angewandte Chemie*, **2013**, 125, 6353-6357	3.6	55
79	Janus nanogels of PEGylated Taxol and PLGA-PEG-PLGA copolymer for cancer therapy. *Nanoscale*, **2013**, 5, 9902-7	7.7	27
78	Cooperative self-assembly of peptide gelators and proteins. *Biomacromolecules*, **2013**, 14, 4368-76	6.9	66
77	Switchable Catalytic Activity: Selenium-Containing Peptides with Redox-Controllable Self-Assembly Properties. *Angewandte Chemie*, **2013**, 125, 7935-7939	3.6	29
76	Endothelialization and patency of RGD-functionalized vascular grafts in a rabbit carotid artery model. *Biomaterials*, **2012**, 33, 2880-91	15.6	228
75	The inhibition of tumor growth and metastasis by self-assembled nanofibers of taxol. *Biomaterials*, **2012**, 33, 5848-53	15.6	156
74	Orthogonal Enzymatic Reactions to Control Supramolecular Hydrogelations. *Chinese Journal of Chemistry*, **2012**, 30, 53-58	4.9	9
73	Molecular hydrogelators consist of Taxol and short peptides/amino acids. *Journal of Materials Chemistry*, **2012**, 22, 16933		29
72	Short-peptide-based molecular hydrogels: novel gelation strategies and applications for tissue engineering and drug delivery. *Nanoscale*, **2012**, 4, 5259-67	7.7	108
71	Molecular hydrogels of hydrophobic compounds: a novel self-delivery system for anti-cancer drugs. *Soft Matter*, **2012**, 8, 2344-2347	3.6	75
70	BSA-stabilized molecular hydrogels of a hydrophobic compound. *Nanoscale*, **2012**, 4, 3047-9	7.7	23
69	A releasable disulfide carbonate linker for molecular hydrogelations. *New Journal of Chemistry*, **2012**, 36, 1556	3.6	5
68	Supramolecular hydrogel of kanamycin selectively sequesters 16S rRNA. *Chemical Communications*, **2012**, 48, 9257-9	5.8	18
67	Folic acid as a versatile motif to construct molecular hydrogelators through conjugations with hydrophobic therapeutic agents. *Journal of Materials Chemistry*, **2012**, 22, 21838		23
66	A novel mixed-component molecular hydrogel system with excellent stabilities. *Chemical Communications*, **2012**, 48, 6175-7	5.8	16
65	Molecular hydrogelators of peptoid-peptide conjugates with superior stability against enzyme digestion. *Nanoscale*, **2012**, 4, 3644-6	7.7	22

64	Precursor-involved and Conversion Rate-controlled Self-assembly of a 'Super Gelator' in Thixotropic Hydrogels for Drug Delivery. *Chinese Journal of Chemistry*, **2012**, 30, 1781-1787	4.9	9
63	Conjugation of two complementary anti-cancer drugs confers molecular hydrogels as a co-delivery system. *Chemical Communications*, **2012**, 48, 395-7	5.8	101
62	Controlling peptidebased hydrogelation. *Materials Today*, **2012**, 15, 500-507	21.8	56
61	Responsive small molecular hydrogels based on adamantane-peptides for cell culture. *Journal of Physical Chemistry B*, **2012**, 116, 633-8	3.4	62
60	Rational Design of a Tetrameric Protein to Enhance Interactions between Self-Assembled Fibers Gives Molecular Hydrogels. *Angewandte Chemie*, **2012**, 124, 4464-4468	3.6	35
59	Rational design of a tetrameric protein to enhance interactions between self-assembled fibers gives molecular hydrogels. *Angewandte Chemie - International Edition*, **2012**, 51, 4388-92	16.4	119
58	Self-assembled nanospheres as a novel delivery system for taxol: a molecular hydrogel with nanosphere morphology. *Chemical Communications*, **2011**, 47, 4439-41	5.8	93
57	A structure□gelation ability study in a short peptide-based □uper Hydrogelator□ystem. *Soft Matter* , **2011**, 7, 3897	3.6	68
56	Highly stable surface modifications of poly(3-caprolactone) (PCL) films by molecular self-assembly to promote cells adhesion and proliferation. *Chemical Communications*, **2011**, 47, 8901-3	5.8	36
55	Exceptionally small supramolecular hydrogelators based on aromatic-aromatic interactions. *Beilstein Journal of Organic Chemistry*, **2011**, 7, 167-72	2.5	84
54	A Supramolecular Hydrogel Inspired by Elastin. *Chinese Journal of Chemistry*, **2011**, 29, 2182-2186	4.9	6
53	Anti-degradation of a recombinant complex protein by incorporation in small molecular hydrogels. *Chemical Communications*, **2011**, 47, 955-7	5.8	32
52	A thixotropic molecular hydrogel selectively enhances Flk1 expression in differentiated murine embryonic stem cells. *Soft Matter*, **2011**, 7, 5430	3.6	25
51	Disulfide bond as a cleavable linker for molecular self-assembly and hydrogelation. *Chemical Communications*, **2011**, 47, 1619-21	5.8	71
50	Dual enzymes regulate the molecular self-assembly of tetra-peptide derivatives. *Soft Matter*, **2011**, 7, 10443	3.6	47
49	A saccharide-based supramolecular hydrogel for cell culture. *Carbohydrate Research*, **2011**, 346, 1013-7	2.9	37
48	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	3.4	43
47	Enzyme-assisted formation of nanosphere: a potential carrier for hydrophobic compounds. *Nanotechnology*, **2010**, 21, 155602	3.4	17

46	Supramolecular hydrogels inspired by collagen for tissue engineering. *Organic and Biomolecular Chemistry*, **2010**, 8, 3267-71	3.9	58
45	Phenyl groups in supramolecular nanofibers confer hydrogels with high elasticity and rapid recovery. *Journal of Materials Chemistry*, **2010**, 20, 2128		54
44	Enzyme-instructed self-assembly of peptide derivatives to form nanofibers and hydrogels. *Biopolymers*, **2010**, 94, 19-31	2.2	95
43	A hybrid hydrogel for efficient removal of methyl violet from aqueous solutions. *Colloids and Surfaces B: Biointerfaces*, **2010**, 80, 155-60	6	40
42	Use of activity-based probes to develop high throughput screening assays that can be performed in complex cell extracts. *PLoS ONE*, **2010**, 5, e11985	3.7	15
41	Evaluation of alpha,beta-unsaturated ketone-based probes for papain-family cysteine proteases. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 1071-8	3.4	13
40	Design, syntheses, and evaluation of Taspase1 inhibitors. *Bioorganic and Medicinal Chemistry Letters* , **2009**, 19, 5086-90	2.9	31
39	Supramolecular hydrogel of a D-amino acid dipeptide for controlled drug release in vivo. *Langmuir*, **2009**, 25, 8419-22	4	234
38	Enzyme promotes the hydrogelation from a hydrophobic small molecule. *Journal of the American Chemical Society*, **2009**, 131, 11286-7	16.4	159
37	Using matrix metalloprotease-9 (MMP-9) to trigger supramolecular hydrogelation. *Soft Matter*, **2009**,	3.6	14
36	Incorporation of supramolecular hydrogels into agarose hydrogels potential drug delivery carrier. *Journal of Materials Chemistry*, **2009**, 19, 7892		88
35	Enzymatic hydrogelation of small molecules. *Accounts of Chemical Research*, **2008**, 41, 315-26	24.3	563
34	Enzymatic hydrogelation to immobilize an enzyme for high activity and stability. *Soft Matter*, **2008**, 4, 550-553	3.6	98
33	Controlling self-assembly within nanospace for peptidenanoparticle fabrication. *Soft Matter*, **2008**, 4, 1617-1620	3.6	49
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