Bing Xu

List of Publications by Year
in descending order

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366 papers	33,173 citations	3325 91 h-index	4323 173 g-index
393 all docs	393 docs citations	393 times ranked	26797 citing authors

#	Article	IF	Citations
1	Multifunctional Magnetic Nanoparticles: Design, Synthesis, and Biomedical Applications. Accounts of Chemical Research, 2009, 42, 1097-1107.	7.6	1,638
2	Supramolecular Hydrogelators and Hydrogels: From Soft Matter to Molecular Biomaterials. Chemical Reviews, 2015, 115, 13165-13307.	23.0	1,497
3	Promoting Axon Regeneration in the Adult CNS by Modulation of the PTEN/mTOR Pathway. Science, 2008, 322, 963-966.	6.0	1,455
4	Dopamine as A Robust Anchor to Immobilize Functional Molecules on the Iron Oxide Shell of Magnetic Nanoparticles. Journal of the American Chemical Society, 2004, 126, 9938-9939.	6.6	836
5	Facile One-Pot Synthesis of Bifunctional Heterodimers of Nanoparticles:Â A Conjugate of Quantum Dot and Magnetic Nanoparticles. Journal of the American Chemical Society, 2004, 126, 5664-5665.	6.6	709
6	Biofunctional magnetic nanoparticles for protein separation and pathogen detection. Chemical Communications, 2006, , 941.	2.2	637
7	Presenting Vancomycin on Nanoparticles to Enhance Antimicrobial Activities. Nano Letters, 2003, 3, 1261-1263.	4.5	620
8	Enzymatic Hydrogelation of Small Molecules. Accounts of Chemical Research, 2008, 41, 315-326.	7.6	615
9	Enzymatic Formation of Supramolecular Hydrogels. Advanced Materials, 2004, 16, 1440-1444.	11.1	554
10	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
11	Using Biofunctional Magnetic Nanoparticles to Capture Vancomycin-Resistant Enterococci and Other Gram-Positive Bacteria at Ultralow Concentration. Journal of the American Chemical Society, 2003, 125, 15702-15703.	6.6	531
12	Molecular hydrogels of therapeutic agents. Chemical Society Reviews, 2009, 38, 883.	18.7	459
13	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
14	Nitrilotriacetic Acid-Modified Magnetic Nanoparticles as a General Agent to Bind Histidine-Tagged Proteins. Journal of the American Chemical Society, 2004, 126, 3392-3393.	6.6	442
15	Supramolecular Hydrogels Respond to Ligandâ˜Receptor Interaction. Journal of the American Chemical Society, 2003, 125, 13680-13681.	6.6	434
16	Imaging enzyme-triggered self-assembly of small molecules inside live cells. Nature Communications, 2012, 3, 1033.	5.8	411
17	FePt@CoS2Yolkâ˜Shell Nanocrystals as a Potent Agent to Kill HeLa Cells. Journal of the American Chemical Society, 2007, 129, 1428-1433.	6.6	392
18	Hydrophobic Interaction and Hydrogen Bonding Cooperatively Confer a Vancomycin Hydrogel:Â A Potential Candidate for Biomaterials. Journal of the American Chemical Society, 2002, 124, 14846-14847.	6.6	387

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19	Enzyme-Instructed Molecular Self-assembly Confers Nanofibers and a Supramolecular Hydrogel of Taxol Derivative. Journal of the American Chemical Society, 2009, 131, 13576-13577.	6.6	373
20	A Supramolecular-Hydrogel-Encapsulated Hemin as an Artificial Enzyme to Mimic Peroxidase. Angewandte Chemie - International Edition, 2007, 46, 4285-4289.	7.2	369
21	Multifunctional Yolkâ^'Shell Nanoparticles: A Potential MRI Contrast and Anticancer Agent. Journal of the American Chemical Society, 2008, 130, 11828-11833.	6.6	354
22	Magnetic nanoparticles for the manipulation of proteins and cells. Chemical Society Reviews, 2012, 41, 2912.	18.7	342
23	Aromaticâ^'Aromatic Interactions Induce the Self-Assembly of Pentapeptidic Derivatives in Water To Form Nanofibers and Supramolecular Hydrogels. Journal of the American Chemical Society, 2010, 132, 2719-2728.	6.6	328
24	Chemical composition, crystal size and lattice structural changes after incorporation of strontium into biomimetic apatite. Biomaterials, 2007, 28, 1452-1460.	5.7	291
25	Pericellular Hydrogel/Nanonets Inhibit Cancer Cells. Angewandte Chemie - International Edition, 2014, 53, 8104-8107.	7.2	280
26	<scp>d</scp>-Amino Acids Boost the Selectivity and Confer Supramolecular Hydrogels of a Nonsteroidal Anti-Inflammatory Drug (NSAID). Journal of the American Chemical Society, 2013, 135, 542-545.	6.6	264
27	Intracellular Enzymatic Formation of Nanofibers Results in Hydrogelation and Regulated Cell Death. Advanced Materials, 2007, 19, 3152-3156.	11.1	259
28	Supramolecular Hydrogel of a <scp>d</scp>-Amino Acid Dipeptide for Controlled Drug Release in Vivo. Langmuir, 2009, 25, 8419-8422.	1.6	257
29	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
30	Small peptide nanofibers as the matrices of molecular hydrogels for mimicking enzymes and enhancing the activity of enzymes. Chemical Society Reviews, 2010, 39, 3425.	18.7	242
31	Intracellular Spatial Control of Fluorescent Magnetic Nanoparticles. Journal of the American Chemical Society, 2008, 130, 3710-3711.	6.6	228
32	Design of Coordination Polymer Gels as Stable Catalytic Systems. Chemistry - A European Journal, 2002, 8, 5028-5032.	1.7	226
33	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
34	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
35	Magnetic-Dipolar-Interaction-Induced Self-Assembly Affords Wires of Hollow Nanocrystals of Cobalt Selenide. Angewandte Chemie - International Edition, 2006, 45, 1220-1223.	7.2	220
36	Enzyme-Instructed Self-Assembly of Small <scp>d</scp>-Peptides as a Multiple-Step Process for Selectively Killing Cancer Cells. Journal of the American Chemical Society, 2016, 138, 3813-3823.	6.6	220

#	Article	IF	Citations
37	Applications of nanomaterials inside cells. Nano Today, 2009, 4, 37-51.	6.2	218
38	A simple visual assay based on small molecule hydrogels for detecting inhibitors of enzymes. Chemical Communications, 2004, , 2424.	2.2	215
39	Intracellular Hydrogelation of Small Molecules Inhibits Bacterial Growth. Angewandte Chemie - International Edition, 2007, 46, 8216-8219.	7.2	212
40	Small molecule hydrogels based on a class of antiinflammatory agents. Chemical Communications, 2004, , 208.	2.2	211
41	d-Glucosamine-based supramolecular hydrogels to improve wound healing. Chemical Communications, 2007, , 843-845.	2.2	208
42	Using Î²-Lactamase to Trigger Supramolecular Hydrogelation. Journal of the American Chemical Society, 2007, 129, 266-267.	6.6	203
43	Versatile Small-Molecule Motifs for Self-Assembly in Water and the Formation of Biofunctional Supramolecular Hydrogels. Langmuir, 2011, 27, 529-537.	1.6	203
44	Supramolecular biofunctional materials. Biomaterials, 2017, 129, 1-27.	5.7	196
45	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
46	Reactionâ€“diffusion processes at the nano- and microscales. Nature Nanotechnology, 2016, 11, 312-319.	15.6	192
47	Bioinspired assembly of small molecules in cell milieu. Chemical Society Reviews, 2017, 46, 2421-2436.	18.7	188
48	Rigid bowlic liquid crystals based on tungsten-oxo calix[4]arenes: host-guest effects and head-to-tail organization. Journal of the American Chemical Society, 1993, 115, 1159-1160.	6.6	182
49	Supramolecular hydrogels based on biofunctional nanofibers of self-assembled small molecules. Journal of Materials Chemistry, 2007, 17, 2385.	6.7	179
50	Enzymatic Assemblies Disrupt the Membrane and Target Endoplasmic Reticulum for Selective Cancer Cell Death. Journal of the American Chemical Society, 2018, 140, 9566-9573.	6.6	174
51	Synthesis and cellular uptake of porphyrin decorated iron oxide nanoparticlesâ€”a potential candidate for bimodal anticancer therapy. Chemical Communications, 2005, , 4270.	2.2	172
52	Fluorescent Magnetic Nanocrystals by Sequential Addition of Reagents in a One-Pot Reaction:â€‰ A Simple Preparation for Multifunctional Nanostructures. Journal of the American Chemical Society, 2007, 129, 11928-11935.	6.6	168
53	Combining Fluorescent Probes and Biofunctional Magnetic Nanoparticles for Rapid Detection of Bacteria in Human Blood. Advanced Materials, 2006, 18, 3145-3148.	11.1	165
54	Molecular Nanofibers of Olsalazine Form Supramolecular Hydrogels for Reductive Release of an Anti-inflammatory Agent. Journal of the American Chemical Society, 2010, 132, 17707-17709.	6.6	165

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55	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
56	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
57	Self-assembly of small molecules affords multifunctional supramolecular hydrogels for topically treating simulated uranium wounds. Chemical Communications, 2005, , 4414.	2.2	154
58	A Redox Responsive, Fluorescent Supramolecular Metallohydrogel Consists of Nanofibers with Single-Molecule Width. Journal of the American Chemical Society, 2013, 135, 5008-5011.	6.6	151
59	Enzymatic Cleavage of Branched Peptides for Targeting Mitochondria. Journal of the American Chemical Society, 2018, 140, 1215-1218.	6.6	149
60	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
61	Enzyme-Instructed Self-Assembly for Spatiotemporal Profiling of the Activities of Alkaline Phosphatases on Live Cells. CheM, 2016, 1, 246-263.	5.8	143
62	Enzymatic Noncovalent Synthesis. Chemical Reviews, 2020, 120, 9994-10078.	23.0	143
63	Taurine Boosts Cellular Uptake of Small <scp>d</scp>-Peptides for Enzyme-Instructed Intracellular Molecular Self-Assembly. Journal of the American Chemical Society, 2015, 137, 10040-10043.	6.6	140
64	Single-Molecule Force Spectroscopy and Imaging of the Vancomycin/d-Ala-d-Ala Interaction. Nano Letters, 2007, 7, 796-801.	4.5	139
65	Supramolecular catalysis and dynamic assemblies for medicine. Chemical Society Reviews, 2017, 46, 6470-6479.	18.7	137
66	Supramolecular Nanofibers and Hydrogels of Nucleopeptides. Angewandte Chemie - International Edition, 2011, 50, 9365-9369.	7.2	133
67	Enzyme-Instructed Self-Assembly: A Multistep Process for Potential Cancer Therapy. Bioconjugate Chemistry, 2015, 26, 987-999.	1.8	127
68	Molecular hydrogel-immobilized enzymes exhibit superactivity and high stability in organic solvents. Chemical Communications, 2007, , 1032.	2.2	126
69	Aromaticâ€“Aromatic Interactions Enhance Interfiber Contacts for Enzymatic Formation of a Spontaneously Aligned Supramolecular Hydrogel. Journal of the American Chemical Society, 2014, 136, 2970-2973.	6.6	126
70	Aromaticâ€“Aromatic Interactions Enable Î±-Helix to Î²-Sheet Transition of Peptides to Form Supramolecular Hydrogels. Journal of the American Chemical Society, 2017, 139, 71-74.	6.6	124
71	Disruption of the Dynamics of Microtubules and Selective Inhibition of Glioblastoma Cells by Nanofibers of Small Hydrophobic Molecules. Angewandte Chemie - International Edition, 2013, 52, 6944-6948.	7.2	123
72	Enzyme-Instructed Assembly and Disassembly Processes for Targeting Downregulation in Cancer Cells. Journal of the American Chemical Society, 2017, 139, 3950-3953.	6.6	122

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73	Supramolecular hydrogels based on Î²-amino acid derivatives. Chemical Communications, 2006, , 738.	2.2	121
74	Enzyme-Instructed Peptide Assemblies Selectively Inhibit Bone Tumors. CheM, 2019, 5, 2442-2449.	5.8	118
75	Multifunctional, Biocompatible Supramolecular Hydrogelators Consist Only of Nucleobase, Amino Acid, and Glycoside. Journal of the American Chemical Society, 2011, 133, 17513-17518.	6.6	115
76	A stable metal coordination polymer gel based on a calix[4]arene and its â€œuptakeâ€•of non-ionic organic molecules from the aqueous phase. Chemical Communications, 2002, , 362-363.	2.2	114
77	Using biofunctional magnetic nanoparticles to capture Gram-negative bacteria at an ultra-low concentrationElectronic supplementary information (ESI) available: experimental details. See http://www.rsc.org/suppdata/cc/b3/b305421g/. Chemical Communications, 2003, , 1966.	2.2	111
78	Self-Assembling Ability Determines the Activity of Enzyme-Instructed Self-Assembly for Inhibiting Cancer Cells. Journal of the American Chemical Society, 2017, 139, 15377-15384.	6.6	108
79	Using Surface Plasmon Resonance to Study the Binding of Vancomycin and Its Dimer to Self-Assembled Monolayers Presentingd-Ala-d-Ala. Journal of the American Chemical Society, 1999, 121, 2629-2630.	6.6	107
80	Enzymatic hydrogelation to immobilize an enzyme for high activity and stability. Soft Matter, 2008, 4, 550.	1.2	106
81	Supramolecular Hydrogels Made of Basic Biological Building Blocks. Chemistry - an Asian Journal, 2014, 9, 1446-1472.	1.7	105
82	Inspiration from the mirror: D-amino acid containing peptides in biomedical approaches. Biomolecular Concepts, 2016, 7, 179-187.	1.0	104
83	Enzyme-Regulated Supramolecular Assemblies of Cholesterol Conjugates against Drug-Resistant Ovarian Cancer Cells. Journal of the American Chemical Society, 2016, 138, 10758-10761.	6.6	102
84	Active Probes for Imaging Membrane Dynamics of Live Cells with High Spatial and Temporal Resolution over Extended Time Scales and Areas. Journal of the American Chemical Society, 2018, 140, 3505-3509.	6.6	100
85	Enzymeâ€instructed selfâ€assembly of peptide derivatives to form nanofibers and hydrogels. Biopolymers, 2010, 94, 19-31.	1.2	99
86	Enzymatic formation of a photoresponsive supramolecular hydrogel. Chemical Communications, 2010, 46, 5364.	2.2	99
87	Assemblies of Peptides in a Complex Environment and their Applications. Angewandte Chemie - International Edition, 2019, 58, 10423-10432.	7.2	99
88	<scp>d</scp>-Amino Acids Modulate the Cellular Response of Enzymatic-Instructed Supramolecular Nanofibers of Small Peptides. Biomacromolecules, 2014, 15, 3559-3568.	2.6	98
89	Dual Fluorescentâ€•and Isotopicâ€Labelled Selfâ€Assembling Vancomycin for inâ€…vivo Imaging of Bacterial Infections. Angewandte Chemie - International Edition, 2017, 56, 2356-2360.	7.2	98
90	Ultrashort Cationic Naphthalene-Derived Self-Assembled Peptides as Antimicrobial Nanomaterials. Biomacromolecules, 2014, 15, 3429-3439.	2.6	97

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91	InÂvivo delivery of CRISPR-Cas9 therapeutics: Progress and challenges. Acta Pharmaceutica Sinica B, 2021, 11, 2150-2171.	5.7	97
92	Gels as Functional Nanomaterials for Biology and Medicine. Langmuir, 2009, 25, 8375-8377.	1.6	94
93	Exceptionally small supramolecular hydrogelators based on aromaticâ€“aromatic interactions. Beilstein Journal of Organic Chemistry, 2011, 7, 167-172.	1.3	94
94	Interfacial behaviour of strontium-containing hydroxyapatite cement with cancellous and cortical bone. Biomaterials, 2006, 27, 5127-5133.	5.7	90
95	Unequal prognostic potentials of p53 gain-of-function mutations in human cancers associate with drug-metabolizing activity. Cell Death and Disease, 2014, 5, e1108-e1108.	2.7	89
96	Enzymatic control of the self-assembly of small molecules: a new way to generate supramolecular hydrogels. Soft Matter, 2007, 3, 515.	1.2	85
97	Multifunctional divalent vancomycin: the fluorescent imaging and photodynamic antimicrobial properties for drug resistant bacteria. Chemical Communications, 2011, 47, 1601-1603.	2.2	81
98	Large-Area Patterning by Vacuum-Assisted Micromolding. Advanced Materials, 1999, 11, 946-950.	11.1	80
99	Using Enzymes to Control Molecular Hydrogelation. Advanced Materials, 2006, 18, 3043-3046.	11.1	79
100	Regulating the Rate of Molecular Selfâ€Assembly for Targeting Cancer Cells. Angewandte Chemie - International Edition, 2016, 55, 5770-5775.	7.2	77
101	Supramolecular medicine. Chemical Society Reviews, 2017, 46, 6430-6432.	18.7	77
102	Self-Assembly and Self-Orientation of Truncated Octahedral Magnetite Nanocrystals. Advanced Materials, 2006, 18, 2418-2421.	11.1	76
103	Introducing <scp>d</scp>-Amino Acid or Simple Glycoside into Small Peptides to Enable Supramolecular Hydrogelators to Resist Proteolysis. Langmuir, 2012, 28, 13512-13517.	1.6	76
104	Enzymatically Formed Peptide Assemblies Sequestrate Proteins and Relocate Inhibitors to Selectively Kill Cancer Cells. Angewandte Chemie - International Edition, 2020, 59, 16445-16450.	7.2	75
105	D-amino acid-containing supramolecular nanofibers for potential cancer therapeutics. Advanced Drug Delivery Reviews, 2017, 110-111, 102-111.	6.6	74
106	Novel Anisotropic Supramolecular Hydrogel with High Stability over a Wide pH Range. Langmuir, 2011, 27, 1510-1512.	1.6	72
107	Mixing Biomimetic Heterodimers of Nucleopeptides to Generate Biocompatible and Biostable Supramolecular Hydrogels. Angewandte Chemie - International Edition, 2015, 54, 5705-5708.	7.2	71
108	Nucleopeptide Assemblies Selectively Sequester ATP in Cancer Cells to Increase the Efficacy of Doxorubicin. Angewandte Chemie - International Edition, 2018, 57, 4931-4935.	7.2	71

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109	Dying tumor cells stimulate proliferation of living tumor cells via caspaseâ€dependent protein kinase Cî´ activation in pancreatic ductal adenocarcinoma. Molecular Oncology, 2015, 9, 105-114.	2.1	70
110	Probing Nanoscale Self-Assembly of Nonfluorescent Small Molecules inside Live Mammalian Cells. ACS Nano, 2013, 7, 9055-9063.	7.3	69
111	Enzymatic Assemblies of Thiophosphopeptides Instantly Target Golgi Apparatus and Selectively Kill Cancer Cells**. Angewandte Chemie - International Edition, 2021, 60, 12796-12801.	7.2	68
112	Colloidosome-based Synthesis of a Multifunctional Nanostructure of Silver and Hollow Iron Oxide Nanoparticles. Langmuir, 2010, 26, 4184-4187.	1.6	66
113	Instructed Assembly of Peptides for Intracellular Enzyme Sequestration. Journal of the American Chemical Society, 2018, 140, 16433-16437.	6.6	66
114	Intercellular Instructed-Assembly Mimics Protein Dynamics To Induce Cell Spheroids. Journal of the American Chemical Society, 2019, 141, 7271-7274.	6.6	66
115	Silver Surface Iodination for Enhancing the Conductivity of Conductive Composites. Advanced Functional Materials, 2010, 20, 2580-2587.	7.8	65
116	Instructed-Assembly (iA): A Molecular Process for Controlling Cell Fate. Bulletin of the Chemical Society of Japan, 2018, 91, 900-906.	2.0	65
117	Chemical synthesis of narrowly dispersed SmCo5 nanoparticles. Journal of Applied Physics, 2003, 93, 7589-7591.	1.1	64
118	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
119	The conjugation of nonsteroidal anti-inflammatory drugs (NSAID) to small peptides for generating multifunctional supramolecular nanofibers/hydrogels. Beilstein Journal of Organic Chemistry, 2013, 9, 908-917.	1.3	63
120	Enzymatic Self-Assembly Confers Exceptionally Strong Synergism with NF-ÎºB Targeting for Selective Necroptosis of Cancer Cells. Journal of the American Chemical Society, 2018, 140, 2301-2308.	6.6	63
121	Enzyme-Instructed Self-Assembly for Cancer Therapy and Imaging. Bioconjugate Chemistry, 2020, 31, 492-500.	1.8	61
122	Phenyl groups in supramolecular nanofibers confer hydrogels with high elasticity and rapid recovery. Journal of Materials Chemistry, 2010, 20, 2128.	6.7	60
123	Selfâ€Delivery Multifunctional Antiâ€HIV Hydrogels for Sustained Release. Advanced Healthcare Materials, 2013, 2, 1586-1590.	3.9	60
124	Spontaneous Enrichment of Organic Molecules from Aqueous and Gas Phases into a Stable Metallogel. Langmuir, 2002, 18, 9654-9658.	1.6	59
125	Partial rescue of defects in Cited2-deficient embryos by HIF-1Î± heterozygosity. Developmental Biology, 2007, 301, 130-140.	0.9	58
126	Calcium Ions to Cross-Link Supramolecular Nanofibers to Tune the Elasticity of Hydrogels over Orders of Magnitude. Langmuir, 2011, 27, 14425-14431.	1.6	56

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127	Selectively Inducing Cancer Cell Death by Intracellular Enzymeâ€Instructed Selfâ€Assembly (EISA) of Dipeptide Derivatives. Advanced Healthcare Materials, 2017, 6, 1601400.	3.9	56
128	Artificial Intracellular Filaments. Cell Reports Physical Science, 2020, 1, 100085.	2.8	56
129	Using Soft Lithography to Pattern Highly Oriented Polyacetylene (HOPA) Films via Solventless Polymerization. Advanced Materials, 2004, 16, 1356-1359.	11.1	55
130	Enzymatic Noncovalent Synthesis of Supramolecular Soft Matter for Biomedical Applications. Matter, 2019, 1, 1127-1147.	5.0	54
131	Perimitochondrial Enzymatic Self-Assembly for Selective Targeting the Mitochondria of Cancer Cells. ACS Nano, 2020, 14, 6947-6955.	7.3	54
132	Induction of human myeloblastic ML-1 cell G1 arrest by suppression of K+ channel activity. American Journal of Physiology - Cell Physiology, 1996, 271, C2037-C2044.	2.1	52
133	Controlling self-assembly within nanospace for peptide nanoparticle fabrication. Soft Matter, 2008, 4, 1617.	1.2	52
134	Enzymeâ€Instructed Assemblies Enable Mitochondria Localization of Histone H2B in Cancer Cells. Angewandte Chemie - International Edition, 2020, 59, 9330-9334.	7.2	52
135	An inâ€…situ Dynamic Continuum of Supramolecular Phosphoglycopeptides Enables Formation of 3D Cell Spheroids. Angewandte Chemie - International Edition, 2017, 56, 16297-16301.	7.2	50
136	Using supramolecular hydrogels to discover the interactions between proteins and molecular nanofibers of small molecules. Chemical Communications, 2012, 48, 8404.	2.2	49
137	Nanoscale assemblies of small molecules control the fate of cells. Nano Today, 2015, 10, 615-630.	6.2	49
138	Enzymatically Forming Intranuclear Peptide Assemblies for Selectively Killing Human Induced Pluripotent Stem Cells. Journal of the American Chemical Society, 2021, 143, 15852-15862.	6.6	49
139	Glutathione (GSH)-decorated magnetic nanoparticles for binding glutathione-S-transferase (GST) fusion protein and manipulating live cells. Chemical Science, 2011, 2, 945.	3.7	48
140	Multivalent Antibiotics via Metal Complexes:Â Potent Divalent Vancomycins against Vancomycin-Resistant Enterococci. Journal of Medicinal Chemistry, 2003, 46, 4904-4909.	2.9	47
141	A versatile supramolecular hydrogel of nitrilotriacetic acid (NTA) for binding metal ions and magnetorheological response. Journal of Materials Chemistry, 2011, 21, 6804.	6.7	47
142	Substrate Specificities of the Insulin and Insulin-like Growth Factor 1 Receptor Tyrosine Kinase Catalytic Domains. Journal of Biological Chemistry, 1995, 270, 29825-29830.	1.6	46
143	Self-assembled hybrid nanofibers confer a magnetorheological supramolecular hydrogel. Tetrahedron, 2007, 63, 7349-7357.	1.0	46
144	Bactericidal functionalization of wrinkle-free fabrics via covalently bonding TiO2@Ag nanoconjugates. Journal of Materials Science, 2009, 44, 1894-1901.	1.7	46

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145	Prion-like Nanofibrils of Small Molecules (PriSM) Selectively Inhibit Cancer Cells by Impeding Cytoskeleton Dynamics. Journal of Biological Chemistry, 2014, 289, 29208-29218.	1.6	46
146	Giant Volume Change of Active Gels under Continuous Flow. Journal of the American Chemical Society, 2014, 136, 7341-7347.	6.6	46
147	Supramolecular Assemblies of Peptides or Nucleopeptides for Gene Delivery. Theranostics, 2019, 9, 3213-3222.	4.6	46
148	Instructed Assembly as Contextâ€Đependent Signaling for the Death and Morphogenesis of Cells. Angewandte Chemie - International Edition, 2019, 58, 5567-5571.	7.2	45
149	The origin of the non-monotonic field dependence of the blocking temperature in magnetic nanoparticles. Journal of Physics Condensed Matter, 2006, 18, 5905-5910.	0.7	44
150	Supramolecular Assemblies of a Conjugate of Nucleobase, Amino Acids, and Saccharide Act as Agonists for Proliferation of Embryonic Stem Cells and Development of Zygotes. Bioconjugate Chemistry, 2014, 25, 1031-1035.	1.8	43
151	Genetically Encoded Biosensors Reveal PKA Hyperphosphorylation on the Myofilaments in Rabbit Heart Failure. Circulation Research, 2016, 119, 931-943.	2.0	43
152	Making Honeycomb Microcomposites by Soft Lithography. Advanced Materials, 1999, 11, 492-495.	11.1	42
153	Supramolecular hydrogels formed by the conjugates of nucleobases, Arg-Gly-Asp (RGD) peptides, and glucosamine. Soft Matter, 2012, 8, 7402.	1.2	42
154	â€œMolecular trinityâ€•for soft nanomaterials: integrating nucleobases, amino acids, and glycosides to construct multifunctional hydrogelators. Soft Matter, 2012, 8, 2801.	1.2	42
155	Ligandâ€“Receptor Interaction Catalyzes the Aggregation of Small Molecules To Induce Cell Necroptosis. Journal of the American Chemical Society, 2015, 137, 26-29.	6.6	42
156	Ligandâ€“Receptor Interaction Modulates the Energy Landscape of Enzyme-Instructed Self-Assembly of Small Molecules. Journal of the American Chemical Society, 2016, 138, 15397-15404.	6.6	42
157	Post-Self-Assembly Cross-Linking of Molecular Nanofibers for Oscillatory Hydrogels. Langmuir, 2012, 28, 3063-3066.	1.6	41
158	Imaging Self-Assembly Dependent Spatial Distribution of Small Molecules in a Cellular Environment. Langmuir, 2013, 29, 15191-15200.	1.6	41
159	Emerging Applications of Supramolecular Peptide Assemblies. Trends in Chemistry, 2020, 2, 71-83.	4.4	41
160	Using Congo red to report intracellular hydrogelation resulted from self-assembly of small molecules. Chemical Communications, 2007, , 4096.	2.2	40
161	Xuebijing Ameliorates Sepsis-Induced Lung Injury by Downregulating HMGB1 and RAGE Expressions in Mice. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-9.	0.5	40
162	Self-assembling ultrashort NSAID-peptide nanosponges: multifunctional antimicrobial and anti-inflammatory materials. RSC Advances, 2016, 6, 114738-114749.	1.7	40

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163	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
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