

Bing Xu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

359
papers

27,831
citations

84
h-index

160
g-index

393
ext. papers

30,353
ext. citations

9.7
avg, IF

7.41
L-index

#	Paper	IF	Citations
359	Multifunctional magnetic nanoparticles: design, synthesis, and biomedical applications. <i>Accounts of Chemical Research</i> , 2009 , 42, 1097-107	24.3	1505
358	Supramolecular Hydrogelators and Hydrogels: From Soft Matter to Molecular Biomaterials. <i>Chemical Reviews</i> , 2015 , 115, 13165-307	68.1	1162
357	Promoting axon regeneration in the adult CNS by modulation of the PTEN/mTOR pathway. <i>Science</i> , 2008 , 322, 963-6	33.3	1121
356	Dopamine as a robust anchor to immobilize functional molecules on the iron oxide shell of magnetic nanoparticles. <i>Journal of the American Chemical Society</i> , 2004 , 126, 9938-9	16.4	793
355	Facile one-pot synthesis of bifunctional heterodimers of nanoparticles: a conjugate of quantum dot and magnetic nanoparticles. <i>Journal of the American Chemical Society</i> , 2004 , 126, 5664-5	16.4	669
354	Biofunctional magnetic nanoparticles for protein separation and pathogen detection. <i>Chemical Communications</i> , 2006 , 941-9	5.8	584
353	Enzymatic hydrogelation of small molecules. <i>Accounts of Chemical Research</i> , 2008 , 41, 315-26	24.3	563
352	Presenting Vancomycin on Nanoparticles to Enhance Antimicrobial Activities. <i>Nano Letters</i> , 2003 , 3, 1261-1263	11.3	536
351	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
350	Enzymatic Formation of Supramolecular Hydrogels. <i>Advanced Materials</i> , 2004 , 16, 1440-1444	24	497
349	Using biofunctional magnetic nanoparticles to capture vancomycin-resistant enterococci and other gram-positive bacteria at ultralow concentration. <i>Journal of the American Chemical Society</i> , 2003 , 125, 15702-3	16.4	481
348	Molecular hydrogels of therapeutic agents. <i>Chemical Society Reviews</i> , 2009 , 38, 883-91	58.5	417
347	Nitrilotriacetic acid-modified magnetic nanoparticles as a general agent to bind histidine-tagged proteins. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3392-3	16.4	409
346	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
345	Supramolecular hydrogels respond to ligand-receptor interaction. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13680-1	16.4	392
344	FePt@CoS(2) yolk-shell nanocrystals as a potent agent to kill HeLa cells. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1428-33	16.4	363
343	Hydrophobic interaction and hydrogen bonding cooperatively confer a vancomycin hydrogel: a potential candidate for biomaterials. <i>Journal of the American Chemical Society</i> , 2002 , 124, 14846-7	16.4	353

342	Imaging enzyme-triggered self-assembly of small molecules inside live cells. <i>Nature Communications</i> , 2012 , 3, 1033	17.4	338
341	Multifunctional yolk-shell nanoparticles: a potential MRI contrast and anticancer agent. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11828-33	16.4	336
340	Enzyme-instructed molecular self-assembly confers nanofibers and a supramolecular hydrogel of taxol derivative. <i>Journal of the American Chemical Society</i> , 2009 , 131, 13576-7	16.4	334
339	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
338	Magnetic nanoparticles for the manipulation of proteins and cells. <i>Chemical Society Reviews</i> , 2012 , 41, 2912-42	58.5	302
337	Aromatic-aromatic interactions induce the self-assembly of pentapeptidic derivatives in water to form nanofibers and supramolecular hydrogels. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2719-28	16.4	302
336	Chemical composition, crystal size and lattice structural changes after incorporation of strontium into biomimetic apatite. <i>Biomaterials</i> , 2007 , 28, 1452-60	15.6	256
335	Pericellular hydrogel/nanonets inhibit cancer cells. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8104-7	16.4	250
334	D-amino acids boost the selectivity and confer supramolecular hydrogels of a nonsteroidal anti-inflammatory drug (NSAID). <i>Journal of the American Chemical Society</i> , 2013 , 135, 542-5	16.4	240
333	Supramolecular hydrogel of a D-amino acid dipeptide for controlled drug release in vivo. <i>Langmuir</i> , 2009 , 25, 8419-22	4	234
332	Intracellular spatial control of fluorescent magnetic nanoparticles. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3710-1	16.4	218
331	Intracellular Enzymatic Formation of Nanofibers Results in Hydrogelation and Regulated Cell Death. <i>Advanced Materials</i> , 2007 , 19, 3152-3156	24	215
330	Magnetic-dipolar-interaction-induced self-assembly affords wires of hollow nanocrystals of cobalt selenide. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1220-3	16.4	213
329	Small peptide nanofibers as the matrices of molecular hydrogels for mimicking enzymes and enhancing the activity of enzymes. <i>Chemical Society Reviews</i> , 2010 , 39, 3425-33	58.5	210
328	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
327	A simple visual assay based on small molecule hydrogels for detecting inhibitors of enzymes. <i>Chemical Communications</i> , 2004 , 2424-5	5.8	202
326	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
325	Applications of nanomaterials inside cells. <i>Nano Today</i> , 2009 , 4, 37-51	17.9	200

324	Design of coordination polymer as stable catalytic systems. <i>Chemistry - A European Journal</i> , 2002 , 8, 5028-32	4.32	199
323	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
322	D-glucosamine-based supramolecular hydrogels to improve wound healing. <i>Chemical Communications</i> , 2007 , 843-5	5.8	197
321	Small molecule hydrogels based on a class of antiinflammatory agents. <i>Chemical Communications</i> , 2004 , 208-9	5.8	189
320	Using beta-lactamase to trigger supramolecular hydrogelation. <i>Journal of the American Chemical Society</i> , 2007 , 129, 266-7	16.4	188
319	Intracellular hydrogelation of small molecules inhibits bacterial growth. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8216-9	16.4	185
318	Enzyme-Instructed Self-Assembly of Small D-Peptides as a Multiple-Step Process for Selectively Killing Cancer Cells. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3813-23	16.4	179
317	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
316	Versatile small-molecule motifs for self-assembly in water and the formation of biofunctional supramolecular hydrogels. <i>Langmuir</i> , 2011 , 27, 529-37	4	173
315	Supramolecular hydrogels based on biofunctional nanofibers of self-assembled small molecules. <i>Journal of Materials Chemistry</i> , 2007 , 17, 2385		165
314	Molecular nanofibers of olsalazine form supramolecular hydrogels for reductive release of an anti-inflammatory agent. <i>Journal of the American Chemical Society</i> , 2010 , 132, 17707-9	16.4	157
313	Fluorescent magnetic nanocrystals by sequential addition of reagents in a one-pot reaction: a simple preparation for multifunctional nanostructures. <i>Journal of the American Chemical Society</i> , 2007 , 129, 11928-35	16.4	155
312	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
311	Rigid bowl-like liquid crystals based on tungsten-oxo calix[4]arenes: host-guest effects and head-to-tail organization. <i>Journal of the American Chemical Society</i> , 1993 , 115, 1159-1160	16.4	154
310	Reaction-diffusion processes at the nano- and microscales. <i>Nature Nanotechnology</i> , 2016 , 11, 312-9	28.7	152
309	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
308	Combining Fluorescent Probes and Biofunctional Magnetic Nanoparticles for Rapid Detection of Bacteria in Human Blood. <i>Advanced Materials</i> , 2006 , 18, 3145-3148	24	150
307	Supramolecular biofunctional materials. <i>Biomaterials</i> , 2017 , 129, 1-27	15.6	145

306	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
305	A redox responsive, fluorescent supramolecular metallohydrogel consists of nanofibers with single-molecule width. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5008-11	16.4	137
304	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
303	Enzyme-Instructed 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
302	Bioinspired assembly of small molecules in cell milieu. <i>Chemical Society Reviews</i> , 2017 , 46, 2421-2436	58.5	128
301	Single-molecule force spectroscopy and imaging of the vancomycin/D-Ala-D-Ala interaction. <i>Nano Letters</i> , 2007 , 7, 796-801	11.5	125
300	Taurine Boosts Cellular Uptake of Small D-Peptides for Enzyme-Instructed Intracellular Molecular Self-Assembly. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10040-3	16.4	121
299	Molecular hydrogel-immobilized enzymes exhibit superactivity and high stability in organic solvents. <i>Chemical Communications</i> , 2007 , 1032-4	5.8	119
298	Enzymatic Assemblies Disrupt the Membrane and Target Endoplasmic Reticulum for Selective Cancer Cell Death. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9566-9573	16.4	117
297	Aromatic-aromatic interactions enhance interfiber contacts for enzymatic formation of a spontaneously aligned supramolecular hydrogel. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2970-3	16.4	117
296	Supramolecular nanofibers and hydrogels of nucleopeptides. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9365-9	16.4	114
295	Disruption of the dynamics of microtubules and selective inhibition of glioblastoma cells by nanofibers of small hydrophobic molecules. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6944-8	16.4	113
294	Supramolecular hydrogels based on beta-amino acid derivatives. <i>Chemical Communications</i> , 2006 , 738-40	5.8	112
293	Enzyme-Instructed Self-Assembly for Spatiotemporal Profiling of the Activities of Alkaline Phosphatases on Live Cells. <i>CheM</i> , 2016 , 1, 246-263	16.2	110
292	Supramolecular catalysis and dynamic assemblies for medicine. <i>Chemical Society Reviews</i> , 2017 , 46, 6470-6479	58.5	109
291	A stable metal coordination polymer gel based on a calix[4]arene and its uptake of non-ionic organic molecules from the aqueous phase. <i>Chemical Communications</i> , 2002 , 362-3	5.8	107
290	Enzyme-instructed self-assembly: a multistep process for potential cancer therapy. <i>Bioconjugate Chemistry</i> , 2015 , 26, 987-99	6.3	102
289	Enzymatic Cleavage of Branched Peptides for Targeting Mitochondria. <i>Journal of the American Chemical Society</i> , 2018 , 140, 1215-1218	16.4	101

288	Multifunctional, biocompatible supramolecular hydrogelators consist only of nucleobase, amino acid, and glycoside. <i>Journal of the American Chemical Society</i> , 2011 , 133, 17513-8	16.4	101
287	Enzyme-Instructed Assembly and Disassembly Processes for Targeting Downregulation in Cancer Cells. <i>Journal of the American Chemical Society</i> , 2017 , 139, 3950-3953	16.4	100
286	Enzymatic hydrogelation to immobilize an enzyme for high activity and stability. <i>Soft Matter</i> , 2008 , 4, 550-553	3.6	98
285	Using biofunctional magnetic nanoparticles to capture gram-negative bacteria at an ultra-low concentration. <i>Chemical Communications</i> , 2003 , 1966-7	5.8	98
284	Enzyme-instructed self-assembly of peptide derivatives to form nanofibers and hydrogels. <i>Biopolymers</i> , 2010 , 94, 19-31	2.2	95
283	Using Surface Plasmon Resonance to Study the Binding of Vancomycin and Its Dimer to Self-Assembled Monolayers Presenting d-Ala-d-Ala. <i>Journal of the American Chemical Society</i> , 1999 , 121, 2629-2630	16.4	95
282	Aromatic-Aromatic Interactions Enable α -Helix to β -Sheet Transition of Peptides to Form Supramolecular Hydrogels. <i>Journal of the American Chemical Society</i> , 2017 , 139, 71-74	16.4	92
281	Enzyme-Regulated Supramolecular Assemblies of Cholesterol Conjugates against Drug-Resistant Ovarian Cancer Cells. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10758-61	16.4	91
280	Enzymatic formation of a photoresponsive supramolecular hydrogel. <i>Chemical Communications</i> , 2010 , 46, 5364-6	5.8	90
279	Supramolecular hydrogels made of basic biological building blocks. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 1446-72	4.5	88
278	Gels as functional nanomaterials for biology and medicine. <i>Langmuir</i> , 2009 , 25, 8375-7	4	87
277	D-amino acids modulate the cellular response of enzymatic-instructed supramolecular nanofibers of small peptides. <i>Biomacromolecules</i> , 2014 , 15, 3559-68	6.9	85
276	Exceptionally small supramolecular hydrogelators based on aromatic-aromatic interactions. <i>Beilstein Journal of Organic Chemistry</i> , 2011 , 7, 167-72	2.5	84
275	Interfacial behaviour of strontium-containing hydroxyapatite cement with cancellous and cortical bone. <i>Biomaterials</i> , 2006 , 27, 5127-33	15.6	82
274	Active Probes for Imaging Membrane Dynamics of Live Cells with High Spatial and Temporal Resolution over Extended Time Scales and Areas. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3505-3509	16.4	79
273	Self-Assembling Ability Determines the Activity of Enzyme-Instructed Self-Assembly for Inhibiting Cancer Cells. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15377-15384	16.4	76
272	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
271	Ultrashort cationic naphthalene-derived self-assembled peptides as antimicrobial nanomaterials. <i>Biomacromolecules</i> , 2014 , 15, 3429-39	6.9	73

270	Self-Assembly and Self-Orientation of Truncated Octahedral Magnetite Nanocrystals. <i>Advanced Materials</i> , 2006 , 18, 2418-2421	24	70
269	Multifunctional divalent vancomycin: the fluorescent imaging and photodynamic antimicrobial properties for drug resistant bacteria. <i>Chemical Communications</i> , 2011 , 47, 1601-3	5.8	69
268	Large-Area Patterning by Vacuum-Assisted Micromolding. <i>Advanced Materials</i> , 1999 , 11, 946-950	24	68
267	Dual Fluorescent- and Isotopic-Labelled Self-Assembling Vancomycin for in vivo Imaging of Bacterial Infections. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2356-2360	16.4	67
266	Enzyme-Instructed Peptide Assemblies Selectively Inhibit Bone Tumors. <i>CheM</i> , 2019 , 5, 2442-2449	16.2	67
265	Unequal prognostic potentials of p53 gain-of-function mutations in human cancers associate with drug-metabolizing activity. <i>Cell Death and Disease</i> , 2014 , 5, e1108	9.8	67
264	Probing nanoscale self-assembly of nonfluorescent small molecules inside live mammalian cells. <i>ACS Nano</i> , 2013 , 7, 9055-63	16.7	67
263	Inspiration from the mirror: D-amino acid containing peptides in biomedical approaches. <i>Biomolecular Concepts</i> , 2016 , 7, 179-87	3.7	67
262	Novel anisotropic supramolecular hydrogel with high stability over a wide pH range. <i>Langmuir</i> , 2011 , 27, 1510-2	4	66
261	Regulating the Rate of Molecular Self-Assembly for Targeting Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5770-5	16.4	65
260	Introducing D-amino acid or simple glycoside into small peptides to enable supramolecular hydrogelators to resist proteolysis. <i>Langmuir</i> , 2012 , 28, 13512-7	4	64
259	Chemical synthesis of narrowly dispersed SmCo ₅ nanoparticles. <i>Journal of Applied Physics</i> , 2003 , 93, 7589-7591	3	63
258	Mixing biomimetic heterodimers of nucleopeptides to generate biocompatible and biostable supramolecular hydrogels. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5705-8	16.4	62
257	Colloidosome-based synthesis of a multifunctional nanostructure of silver and hollow iron oxide nanoparticles. <i>Langmuir</i> , 2010 , 26, 4184-7	4	62
256	Instructed-Assembly (iA): A Molecular Process for Controlling Cell Fate. <i>Bulletin of the Chemical Society of Japan</i> , 2018 , 91, 900-906	5.1	60
255	The conjugation of nonsteroidal anti-inflammatory drugs (NSAID) to small peptides for generating multifunctional supramolecular nanofibers/hydrogels. <i>Beilstein Journal of Organic Chemistry</i> , 2013 , 9, 908-17	2.5	60
254	A Supramolecular-Hydrogel-Encapsulated Hemin as an Artificial Enzyme to Mimic Peroxidase. <i>Angewandte Chemie</i> , 2007 , 119, 4363-4367	3.6	59
253	Silver Surface Iodination for Enhancing the Conductivity of Conductive Composites. <i>Advanced Functional Materials</i> , 2010 , 20, 2580-2587	15.6	57

252	Self-delivery multifunctional anti-HIV hydrogels for sustained release. <i>Advanced Healthcare Materials</i> , 2013 , 2, 1586-90	10.1	55
251	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
250	D-amino acid-containing supramolecular nanofibers for potential cancer therapeutics. <i>Advanced Drug Delivery Reviews</i> , 2017 , 110-111, 102-111	18.5	54
249	Assemblies of Peptides in a Complex Environment and their Applications. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10423-10432	16.4	54
248	Nucleopeptide Assemblies Selectively Sequester ATP in Cancer Cells to Increase the Efficacy of Doxorubicin. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 4931-4935	16.4	54
247	Phenyl groups in supramolecular nanofibers confer hydrogels with high elasticity and rapid recovery. <i>Journal of Materials Chemistry</i> , 2010 , 20, 2128		54
246	Dying tumor cells stimulate proliferation of living tumor cells via caspase-dependent protein kinase C β activation in pancreatic ductal adenocarcinoma. <i>Molecular Oncology</i> , 2015 , 9, 105-14	7.9	53
245	Using Soft Lithography to Pattern Highly Oriented Polyacetylene (HOPA) Films via Solventless Polymerization. <i>Advanced Materials</i> , 2004 , 16, 1356-1359	24	53
244	Enzymatic Noncovalent Synthesis. <i>Chemical Reviews</i> , 2020 , 120, 9994-10078	68.1	53
243	Calcium ions to cross-link supramolecular nanofibers to tune the elasticity of hydrogels over orders of magnitude. <i>Langmuir</i> , 2011 , 27, 14425-31	4	49
242	Controlling self-assembly within nanospace for peptid nanoparticle fabrication. <i>Soft Matter</i> , 2008 , 4, 1617-1620	3.6	49
241	Using supramolecular hydrogels to discover the interactions between proteins and molecular nanofibers of small molecules. <i>Chemical Communications</i> , 2012 , 48, 8404-6	5.8	48
240	Partial rescue of defects in Cited2-deficient embryos by HIF-1 α heterozygosity. <i>Developmental Biology</i> , 2007 , 301, 130-40	3.1	46
239	Spontaneous Enrichment of Organic Molecules from Aqueous and Gas Phases into a Stable Metallogel. <i>Langmuir</i> , 2002 , 18, 9654-9658	4	46
238	Multivalent antibiotics via metal complexes: potent divalent vancomycins against vancomycin-resistant enterococci. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 4904-9	8.3	44
237	Enzymatic Self-Assembly Confers Exceptionally Strong Synergism with NF- κ B Targeting for Selective Necroptosis of Cancer Cells. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2301-2308	16.4	43
236	Glutathione (GSH)-decorated magnetic nanoparticles for binding glutathione-S-transferase (GST) fusion protein and manipulating live cells. <i>Chemical Science</i> , 2011 , 2, 945	9.4	43
235	Instructed Assembly of Peptides for Intracellular Enzyme Sequestration. <i>Journal of the American Chemical Society</i> , 2018 , 140, 16433-16437	16.4	43

234	Giant volume change of active gels under continuous flow. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7341-7	16.4	42
233	A versatile supramolecular hydrogel of nitrilotriacetic acid (NTA) for binding metal ions and magnetorheological response. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6804		42
232	Induction of human myeloblastic ML-1 cell G1 arrest by suppression of K ⁺ channel activity. <i>American Journal of Physiology - Cell Physiology</i> , 1996 , 271, C2037-44	5.4	42
231	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
230	Nanoscale Assemblies of Small Molecules Control the Fate of Cells. <i>Nano Today</i> , 2015 , 10, 615-630	17.9	41
229	Prion-like nanofibrils of small molecules (PriSM) selectively inhibit cancer cells by impeding cytoskeleton dynamics. <i>Journal of Biological Chemistry</i> , 2014 , 289, 29208-18	5.4	41
228	Supramolecular assemblies of a conjugate of nucleobase, amino acids, and saccharide act as agonists for proliferation of embryonic stem cells and development of zygotes. <i>Bioconjugate Chemistry</i> , 2014 , 25, 1031-5	6.3	41
227	"Molecular trinity" for soft nanomaterials: Integrating nucleobases, amino acids, and glycosides to construct multifunctional hydrogelators. <i>Soft Matter</i> , 2012 , 8,	3.6	41
226	Bactericidal functionalization of wrinkle-free fabrics via covalently bonding TiO ₂ @Ag nanoconjugates. <i>Journal of Materials Science</i> , 2009 , 44, 1894-1901	4.3	41
225	Ligand-receptor interaction catalyzes the aggregation of small molecules to induce cell necroptosis. <i>Journal of the American Chemical Society</i> , 2015 , 137, 26-9	16.4	40
224	Intercellular Instructed-Assembly Mimics Protein Dynamics To Induce Cell Spheroids. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7271-7274	16.4	39
223	Enzymatically Formed Peptide Assemblies Sequester Proteins and Relocate Inhibitors to Selectively Kill Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 16445-16450	16.4	39
222	Supramolecular nanofibrils inhibit cancer progression in vitro and in vivo. <i>Advanced Healthcare Materials</i> , 2014 , 3, 1217-21	10.1	38
221	Post-self-assembly cross-linking of molecular nanofibers for oscillatory hydrogels. <i>Langmuir</i> , 2012 , 28, 3063-6	4	38
220	Supramolecular hydrogelators of N-terminated dipeptides selectively inhibit cancer cells. <i>Chemical Communications</i> , 2011 , 47, 12625-7	5.8	38
219	Self-assembled hybrid nanofibers confer a magnetorheological supramolecular hydrogel. <i>Tetrahedron</i> , 2007 , 63, 7349-7357	2.4	38
218	The origin of the non-monotonic field dependence of the blocking temperature in magnetic nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 5905-10	1.8	38
217	Artificial Intracellular Filaments. <i>Cell Reports Physical Science</i> , 2020 , 1,	6.1	37

216	An in situ Dynamic Continuum of Supramolecular Phosphoglycopeptides Enables Formation of 3D Cell Spheroids. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16297-16301	16.4	37
215	Supramolecular hydrogels formed by the conjugates of nucleobases, Arg-Gly-Asp (RGD) peptides, and glucosamine. <i>Soft Matter</i> , 2012 , 8, 7402-7407	3.6	37
214	Using Congo red to report intracellular hydrogelation resulted from self-assembly of small molecules. <i>Chemical Communications</i> , 2007 , 4096-8	5.8	37
213	Self-assembled multivalent vancomycin on cell surfaces against vancomycin-resistant enterococci (VRE). <i>Chemical Communications</i> , 2003 , 2224-5	5.8	37
212	Substrate specificities of the insulin and insulin-like growth factor 1 receptor tyrosine kinase catalytic domains. <i>Journal of Biological Chemistry</i> , 1995 , 270, 29825-30	5.4	37
211	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
210	Pericellular Hydrogel/Nanonets Inhibit Cancer Cells. <i>Angewandte Chemie</i> , 2014 , 126, 8242-8245	3.6	36
209	Cell compatible trimethoprim-decorated iron oxide nanoparticles bind dihydrofolate reductase for magnetically modulating focal adhesion of mammalian cells. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10006-9	16.4	36
208	Synthesis and characterization of 5-substituted 8-hydroxyquinoline derivatives and their metal complexes. <i>Tetrahedron</i> , 2008 , 64, 10986-10995	2.4	36
207	Magnetic-Dipolar-Interaction-Induced Self-Assembly Affords Wires of Hollow Nanocrystals of Cobalt Selenide. <i>Angewandte Chemie</i> , 2006 , 118, 1242-1245	3.6	36
206	Memory effects in a nanoparticle system: Low-field magnetization and ac susceptibility measurements. <i>Physical Review B</i> , 2005 , 72,	3.3	36
205	Facet-Selective 2D Self-Assembly of TiO ₂ Nanoleaves via Supramolecular Interactions. <i>Chemistry of Materials</i> , 2008 , 20, 7514-7520	9.6	34
204	The first pamidronate containing polymer and copolymer. <i>Chemical Communications</i> , 2006 , 2795-7	5.8	34
203	Imaging self-assembly dependent spatial distribution of small molecules in a cellular environment. <i>Langmuir</i> , 2013 , 29, 15191-200	4	33
202	Active cross-linkers that lead to active gels. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 11494-8	16.4	33
201	Making Honeycomb Microcomposites by Soft Lithography. <i>Advanced Materials</i> , 1999 , 11, 492-495	24	33
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