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Controlling cancer cell fate using localized biocatalytic self-assembly of an aromatic carbohydrate amphiphile

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#	Paper	IF	Citations
237	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
236	In Situ Formation of Nanofibers from Purpurin18-Peptide Conjugates and the Assembly Induced Retention Effect in Tumor Sites. <i>Advanced Materials</i> , 2015 , 27, 6125-30	24	251
235	Easy Access to Supramolecular Gels of the Nonsteroidal Anti-inflammatory Drug Diflunisal: Synthesis, Characterization, and Plausible Biomedical Applications. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2427-36	4.5	9
234	Multifarious facets of sugar-derived molecular gels: molecular features, mechanisms of self-assembly and emerging applications. 2015 , 44, 5596-637		193
233	Supramolecular Hydrogelators and Hydrogels: From Soft Matter to Molecular Biomaterials. 2015 , 115, 13165-307		1162
232	Enzyme transformation to modulate the ligand-receptor interactions between small molecules. 2015 , 51, 4899-901		9
231	Prion-like nanofibrils of small molecules (PriSM): A new frontier at the intersection of supramolecular chemistry and cell biology. 2015 , 9, 110-8		12
230	Supramolecular Glycosylation Accelerates Proteolytic Degradation of Peptide Nanofibrils. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10092-5	16.4	28
229	Enzyme-instructed self-assembly: a multistep process for potential cancer therapy. 2015 , 26, 987-99		102
228	Design and assembly of supramolecular dual-modality nanoprobe. 2015 , 7, 9462-6		14
227	Nanoscale Assemblies of Small Molecules Control the Fate of Cells. 2015 , 10, 615-630		41
226	Supramolecular nanofibers of self-assembling peptides and proteins for protein delivery. 2015 , 51, 14239-42		31
225	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
224	Multi-responsive supramolecular hydrogels for drug delivery. 2015 , 51, 15265-7		30
223	Controlled Synthesis and Enzyme-Induced Hydrogelation of Poly(l-phosphotyrosine)s via Ring-Opening Polymerization of α -Amino Acid N-Carboxyanhydride. <i>ACS Macro Letters</i> , 2015 , 4, 1000-1003	6.6	24
222	Rational design of a photo-responsive UVR8-derived protein and a self-assembling peptide-protein conjugate for responsive hydrogel formation. 2015 , 7, 16666-70		44
221	Negatively Charged Lipid Membranes Catalyze Supramolecular Hydrogel Formation. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8670-3	16.4	31

220	Regulating the Rate of Molecular Self-Assembly for Targeting Cancer Cells. <i>Angewandte Chemie</i> , 2016 , 128, 5864-5869	3.6	16
219	Synthetic Self-Assembled Materials in Biological Environments. <i>Advanced Materials</i> , 2016 , 28, 4576-92	24	60
218	Noble Hybrid Nanostructures as Efficient Anti-Proliferative Platforms for Human Breast Cancer Cell. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 10253-65	9.5	7
217	Enzymatic induction of supramolecular order and bioactivity. 2016 , 8, 10768-73		14
216	Minimal C-terminal modification boosts peptide self-assembling ability for necroptosis of cancer cells. 2016 , 52, 6332-5		29
215	Enzyme-Instructed Self-Assembly for Spatiotemporal Profiling of the Activities of Alkaline Phosphatases on Live Cells. 2016 , 1, 246-263		110
214	Controlling the width of nanosheets by peptide length in peptoid-peptide biohybrid hydrogels. 2016 , 6, 67025-67028		6
213	Engineering responsive supramolecular biomaterials: Toward smart therapeutics. 2016 , 1, 252-266		36
212	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
211	Galactose-decorated light-responsive hydrogelator precursors for selectively killing cancer cells. 2016 , 52, 12574-12577		23
210	Effect of Peptide Sequences on Supramolecular Interactions of Naphthaleneimide/Triptide Conjugates. 2016 , 32, 7630-8		25
209	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
208	Ligand-Receptor Interaction Modulates the Energy Landscape of Enzyme-Instructed Self-Assembly of Small Molecules. <i>Journal of the American Chemical Society</i> , 2016 , 138, 15397-15404	16.4	28
207	Enzyme-Catalyzed Formation of Supramolecular Hydrogels as Promising Vaccine Adjuvants. 2016 , 26, 1822-1829		124
206	Supramolecular Gels by Design: Towards the Development of Topical Gels for Self-Delivery Application. 2016 , 22, 9257-66		21
205	Regulating the Rate of Molecular Self-Assembly for Targeting Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5770-5	16.4	65
204	MMP-9 triggered self-assembly of doxorubicin nanofiber depots halts tumor growth. <i>Biomaterials</i> , 2016 , 98, 192-202	15.6	107
203	Supramolecular biomaterials. 2016 , 15, 13-26		971

202	Optimized Ratiometric Fluorescent Probes by Peptide Self-Assembly. 2016 , 88, 740-5		23
201	In situ enzymatic formation of supramolecular nanofibers for efficiently killing cancer cells. 2016 , 6, 32519-32528		
200	A fluorescent graphitic carbon nitride nanosheet biosensor for highly sensitive, label-free detection of alkaline phosphatase. 2016 , 8, 4727-32		82
199	Building Nanostructures with Drugs. 2016 , 11, 13-30		101
198	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
197	The Enzyme-instructed assembly of the core of yeast prion Sup35 to form supramolecular hydrogels. 2016 , 4, 1318-1323		9
196	D-amino acid-containing supramolecular nanofibers for potential cancer therapeutics. 2017 , 110-111, 102-111		54
195	Peptide-drug conjugates as effective prodrug strategies for targeted delivery. 2017 , 110-111, 112-126		249
194	Enzyme-Instructed Self-Assembly of Peptides Containing Phosphoserine to Form Supramolecular Hydrogels as Potential Soft Biomaterials. 2017 , 11, 509-515		18
193	Amino Acids and Peptide-Based Supramolecular Hydrogels for Three-Dimensional Cell Culture. <i>Advanced Materials</i> , 2017 , 29, 1604062	24	192
192	An in Situ Intracellular Self-Assembly Strategy for Quantitatively and Temporally Monitoring Autophagy. 2017 , 11, 1826-1839		56
191	A novel H ₂ O ₂ responsive supramolecular hydrogel for controllable drug release. 2017 , 7, 1313-1317		17
190	One-Component Supramolecular Filament Hydrogels as Theranostic Label-Free Magnetic Resonance Imaging Agents. 2017 , 11, 797-805		72
189	Biocatalytic Self-Assembly Using Reversible and Irreversible Enzyme Immobilization. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 3266-3271	9.5	33
188	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
187	Dual Fluorescent- and Isotopic-Labelled Self-Assembling Vancomycin for in vivo Imaging of Bacterial Infections. <i>Angewandte Chemie</i> , 2017 , 129, 2396-2400	3.6	10
186	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
185	In situ generated D-peptidic nanofibrils as multifaceted apoptotic inducers to target cancer cells. 2017 , 8, e2614		30

184	Pulling Cancer Cells Apart with a Net of Nanofibers. 2017 , 2, 167-168		
183	Spatiotemporal Control of Supramolecular Self-Assembly and Function. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10012-10018	9.5	42
182	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
181	Phosphatase-triggered cell-selective release of a Pt(IV)-backboned prodrug-like polymer for an improved therapeutic index. 2017 , 5, 1558-1566		7
180	Rationally Developed Organic Salts of Tolfenamic Acid and Its β -Alanine Derivatives for Dual Purposes as an Anti-Inflammatory Topical Gel and Anticancer Agent. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 792-803	4.5	8
179	Patching of Lipid Rafts by Molecular Self-Assembled Nanofibrils Suppresses Cancer Cell Migration. 2017 , 2, 283-298		31
178	Host Materials Transformable in Tumor Microenvironment for Homing Theranostics. <i>Advanced Materials</i> , 2017 , 29, 1605869	24	93
177	Supramolecular Hydrogels of Indole-Capped Short Peptides as Vaccine Adjuvants. 2017 , 35, 1057-1062		7
176	The effect of carbohydrate structures on the hydrogelation ability and morphology of self-assembled structures of peptide-carbohydrate conjugates in water. 2017 , 15, 4595-4600		24
175	General Approach of Stimuli-Induced Aggregation for Monitoring Tumor Therapy. 2017 , 11, 7301-7311		45
174	In Situ Gelation-Induced Death of Cancer Cells Based on Proteinosomes. 2017 , 18, 2446-2453		15
173	Mitochondria localization induced self-assembly of peptide amphiphiles for cellular dysfunction. 2017 , 8, 26		119
172	Morphology transformation of self-assembled organic nanomaterials in aqueous solution induced by stimuli-triggered chemical structure changes. 2017 , 5, 16059-16104		47
171	Bioinspired assembly of small molecules in cell milieu. 2017 , 46, 2421-2436		128
170	Supramolecular biofunctional materials. <i>Biomaterials</i> , 2017 , 129, 1-27	15.6	145
169	Nanoparticulate Cancer-Starvation Therapy. 2017 , 2, 168-170		11
168	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
167	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

166	Drug delivery by supramolecular design. 2017 , 46, 6600-6620		366
165	Supramolecular catalysis and dynamic assemblies for medicine. 2017 , 46, 6470-6479		109
164	Cancer vaccines using supramolecular hydrogels of NSAID-modified peptides as adjuvants abolish tumorigenesis. 2017 , 9, 14058-14064		45
163	Selective inhibition of cancer cells by enzyme-induced gain of function of phosphorylated melittin analogues. 2017 , 8, 7675-7681		9
162	Fluorine substitution enhances the self-assembling ability of hydrogelators. 2017 , 9, 11429-11433		9
161	Enzyme-instructed self-assembly with photo-responses for the photo-regulation of cancer cells. 2017 , 15, 6892-6895		9
160	Enzyme-assisted peptide folding, assembly and anti-cancer properties. 2017 , 9, 11987-11993		43
159	Sequentially Programmable and Cellularly Selective Assembly of Fluorescent Polymerized Vesicles for Monitoring Cell Apoptosis. 2017 , 4, 1700310		19
158	Nitrogen-Doped Porous Carbon-ZnO Nanopolyhedra Derived from ZIF-8: New Materials for Photoelectrochemical Biosensors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42482-42491	9.5	97
157	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
156	Drug self-delivery systems for cancer therapy. <i>Biomaterials</i> , 2017 , 112, 234-247	15.6	341
155	Supramolecular polymerization of hydrogen-bonded rosettes with anthracene chromophores: regioisomeric effect on nanostructures. 2017 , 49, 189-195		3
154	Chirality Controls Reaction-Diffusion of Nanoparticles for Inhibiting Cancer Cells. 2017 , 3, 17-21		14
153	An in situ Dynamic Continuum of Supramolecular Phosphoglycopeptides Enables Formation of 3D Cell Spheroids. <i>Angewandte Chemie</i> , 2017 , 129, 16515-16519	3.6	9
152	Self-Assembled Receptors for Protein Surface Recognition. 2017 , 351-369		
151	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
150	Glycosylation-enhanced biocompatibility of the supramolecular hydrogel of an anti-inflammatory drug for topical suppression of inflammation. 2018 , 73, 275-284		13
149	In Vivo Self-Assembly Nanotechnology for Biomedical Applications. 2018 ,		1

148	Directed Nanoscale Self-Assembly of Low Molecular Weight Hydrogelators Using Catalytic Nanoparticles. <i>Advanced Materials</i> , 2018 , 30, e1707408	24	18
147	Energy landscaping in supramolecular materials. 2018 , 51, 9-18		21
146	Protein Enables Conformation Transition of a Hydrogel Based on Pentapeptide and Boosts Immune Response in Vivo. 2018 , 29, 1519-1524		8
145	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
144	Tandem Molecular Self-Assembly in Liver Cancer Cells. <i>Angewandte Chemie</i> , 2018 , 130, 1831-1834	3.6	37
143	Enzymatic formation of curcumin in vitro and in vivo. 2018 , 11, 3453-3461		11
142	Tandem Molecular Self-Assembly in Liver Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1813-1816	16.4	151
141	Biocatalytic Self-Assembly on Magnetic Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 3069-3075	9.5	35
140	Kinetic control over supramolecular hydrogelation and anticancer properties of taxol. 2018 , 54, 755-758		12
139	Enzyme-Instructed Self-assembly of Small Peptides In Vivo for Biomedical Application. 2018 , 89-114		1
138	Redox supramolecular self-assemblies nonlinearly enhance fluorescence to identify cancer cells. 2018 , 54, 5385-5388		27
137	Instructed-Assembly (iA): A Molecular Process for Controlling Cell Fate. 2018 , 91, 900-906		60
136	Kinetic Analysis of Nanostructures Formed by Enzyme-Instructed Intracellular Assemblies against Cancer Cells. 2018 , 12, 3804-3815		29
135	Surface-Assisted Self-Assembly Strategies Leading to Supramolecular Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1448-1456	16.4	51
134	Oberflächenunterstützte Selbstorganisationsstrategien für supramolekulare Hydrogele. <i>Angewandte Chemie</i> , 2018 , 130, 1462-1471	3.6	10
133	Simple Organic Salts Having a Naphthalenediimide (NDI) Core Display Multifunctional Properties: Gelation, Anticancer and Semiconducting Properties. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 170-180	4.5	5
132	Enzyme-instructed self-assembly leads to the activation of optical properties for selective fluorescence detection and photodynamic ablation of cancer cells. 2018 , 6, 2566-2573		26
131	Instructed Assembly of Peptides for Intracellular Enzyme Sequestration. <i>Journal of the American Chemical Society</i> , 2018 , 140, 16433-16437	16.4	43

130	Alkaline Phosphatase-Triggered Self-Assembly of Near-Infrared Nanoparticles for the Enhanced Photoacoustic Imaging of Tumors. 2018 , 18, 7749-7754		100
129	Synergistic enzymatic and bioorthogonal reactions for selective prodrug activation in living systems. 2018 , 9, 5032		93
128	Sweet building blocks for self-assembling biomaterials with molecular recognition. 2018 , 79-94		1
127	A supramolecular hydrogel for spatial-temporal release of auxin to promote plant root growth. 2018 , 54, 11721-11724		7
126	Supramolecular Nanofibers of Drug-Peptide Amphiphile and Affibody Suppress HER2+ Tumor Growth. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800899	10.1	23
125	Enzymatic Control of the Conformational Landscape of Self-Assembling Peptides. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11188-11192	16.4	46
124	Enzymatic Control of the Conformational Landscape of Self-Assembling Peptides. <i>Angewandte Chemie</i> , 2018 , 130, 11358-11362	3.6	18
123	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
122	Enzyme-mediated self-assembly. 2018 , 399-417		0
121	Molecular Self-Assembly Constructed in Physiological Conditions for Cancer Diagnosis and Therapy. <i>Advanced Therapeutics</i> , 2018 , 1, 1800067	4.9	5
120	A Peptide-Based Supramolecular Hydrogel for Controlled Delivery of Amine Drugs. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3460-3463	4.5	11
119	Down-regulating Proteolysis to Enhance Anticancer Activity of Peptide Nanofibers. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3464-3468	4.5	5
118	Self-Assembly-Directed Cancer Cell Membrane Insertion of Synthetic Analogues for Permeability Alteration. 2019 , 35, 7376-7382		6
117	Selective pericellular hydrogelation by the overexpression of an enzyme and a membrane receptor. 2019 , 11, 13714-13719		18
116	Enzyme-Instructed Peptide Assemblies Selectively Inhibit Bone Tumors. 2019 , 5, 2442-2449		67
115	De novo Design of Selective Membrane-Active Peptides by Enzymatic Control of Their Conformational Bias on the Cell Surface. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13706-13710	16.4	19
114	De novo Design of Selective Membrane-Active Peptides by Enzymatic Control of Their Conformational Bias on the Cell Surface. <i>Angewandte Chemie</i> , 2019 , 131, 13844-13848	3.6	5
113	Enzymatic Noncovalent Synthesis of Supramolecular Soft Matter for Biomedical Applications. 2019 , 1, 1127-1147		27

112	Polymer-Mediated Penetration-Independent Cancer Therapy. 2019 , 20, 4258-4271		30
111	Self-assembling peptide-based nanodrug delivery systems. 2019 , 7, 4888-4911		27
110	Heterochiral Assembly of Amphiphilic Peptides Inside the Mitochondria for Supramolecular Cancer Therapeutics. 2019 , 13, 11022-11033		44
109	Minimalistic supramolecular proteoglycan mimics by co-assembly of aromatic peptide and carbohydrate amphiphiles. 2019 , 10, 2385-2390		37
108	Customizing Morphology, Size, and Response Kinetics of Matrix Metalloproteinase-Responsive Nanostructures by Systematic Peptide Design. 2019 , 13, 1555-1562		23
107	Controlled Fabrication of Micropatterned Supramolecular Gels by Directed Self-Assembly of Small Molecular Gelators. <i>Small</i> , 2019 , 15, e1804154	11	8
106	Enzyme-instructed self-assembly of a novel histone deacetylase inhibitor with enhanced selectivity and anticancer efficiency. 2019 , 7, 1477-1485		20
105	Supramolecular Assemblies of Peptides or Nucleopeptides for Gene Delivery. 2019 , 9, 3213-3222		28
104	Carbohydrate-based nanomaterials for biomedical applications. 2019 , 11, e1558		28
103	Supramolecular Synthon Approach in Designing Molecular Gels for Advanced Therapeutics. <i>Advanced Therapeutics</i> , 2019 , 2, 1800061	4.9	20
102	Assemblies of Peptides in a Complex Environment and their Applications. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10423-10432	16.4	54
101	Supramolecular chirality and crystallization from biocatalytic self-assembly in lipidic cubic mesophases. 2019 , 11, 5891-5895		3
100	Multifunctionalization of Cells with a Self-Assembling Molecule to Enhance Cell Engraftment. 2019 , 14, 775-783		7
99	Assemblies of Peptides in a Complex Environment and their Applications. <i>Angewandte Chemie</i> , 2019 , 131, 10532-10541	3.6	13
98	Recent Advances in Subcellular Targeted Cancer Therapy Based on Functional Materials. <i>Advanced Materials</i> , 2019 , 31, e1802725	24	154
97	Supramolecular fluorescent hydrogelators as bio-imaging probes. 2019 , 6, 14-44		72
96	Enzyme-Instructed Supramolecular Self-Assembly with Anticancer Activity. <i>Advanced Materials</i> , 2019 , 31, e1804814	24	45
95	Cell-Compatible Nanoprobes for Imaging Intracellular Phosphatase Activities. 2019 , 20, 526-531		14

94	Stimuli-Responsive Supramolecular Hydrogels and Their Applications in Regenerative Medicine. 2019 , 19, e1800259		85
93	Instructed-Assembly of Small Peptides Inhibits Drug-Resistant Prostate Cancer Cells. 2020 , 112, e24123		7
92	Enzyme-Instructed Self-Assembly (EISA) and Hydrogelation of Peptides. <i>Advanced Materials</i> , 2020 , 32, e1805798	24	88
91	Isothermal kinase-triggered supramolecular assemblies as drug sensitizers. 2019 , 11, 1132-1139		6
90	A Simple Injectable Moldable Hydrogel Assembled from Natural Glycyrrhizic Acid with Inherent Antibacterial Activity.. 2020 , 3, 648-653		11
89	Intracellular Restructured Reduced Glutathione-Responsive Peptide Nanofibers for Synergetic Tumor Chemotherapy. 2020 , 21, 444-453		18
88	Enhanced cellular uptake and nuclear accumulation of drug-peptide nanomedicines prepared by enzyme-instructed self-assembly. 2020 , 317, 109-117		44
87	Enzyme-instructed self-assembly of the stereoisomers of pentapeptides to form biocompatible supramolecular hydrogels. 2020 , 28, 760-765		8
86	Structural diversification of bola-amphiphilic glycolipid-type supramolecular hydrogelators exhibiting colour changes along with the gel-sol transition. 2020 , 16, 7274-7278		4
85	Homogeneous assay based on the pre-reduction and selective cation exchange for detection of multiple targets by atomic spectrometry. 2020 , 219, 121387		4
84	Galactosidase instructed self-assembly of supramolecular bolaamphiphiles hydrogelators. 2020 , 16, 7648-7651		4
83	Surface Triggered Self-Assembly of Fmoc-Triptide as an Antibacterial Coating. 2020 , 8, 938		13
82	Spatiotemporal Self-Assembly of Peptides Dictates Cancer-Selective Toxicity. 2020 , 21, 4806-4813		4
81	Combined Tumor Environment Triggered Self-Assembling Peptide Nanofibers and Inducible Multivalent Ligand Display for Cancer Cell Targeting with Enhanced Sensitivity and Specificity. <i>Small</i> , 2020 , 16, e2002780	11	5
80	Aromatic carbohydrate amphiphile disrupts cancer spheroids and prevents relapse. 2020 , 12, 19088-19092		3
79	Enzymatic Noncovalent Synthesis. 2020 , 120, 9994-10078		53
78	Preorganization Increases the Self-Assembling Ability and Antitumor Efficacy of Peptide Nanomedicine. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 22492-22498	9.5	10
77	Designer Self-Assembling Peptide Hydrogels to Engineer 3D Cell Microenvironments for Cell Constructs Formation and Precise Oncology Remodeling in Ovarian Cancer. 2020 , 7, 1903718		46

76	Inhibiting cancer metabolism by aromatic carbohydrate amphiphiles that act as antagonists of the glucose transporter GLUT1. 2020 , 11, 3737-3744		9
75	Supramolecular Sheet Forming Peptide Conjugated with Near-Infrared Chromophore for Selective Targeting, Imaging, and Dysfunction of Mitochondria. 2020 , 31, 1301-1306		8
74	Enzyme-Instructed Assemblies Enable Mitochondria Localization of Histone H2B in Cancer Cells. <i>Angewandte Chemie</i> , 2020 , 132, 9416-9420	3.6	5
73	Probing Reversible Guest Binding with Hyperpolarized Xe-NMR: Characteristics and Applications for Cucurbiturils. 2020 , 25,		6
72	Probing Early-Stage Aggregation of Low Molecular Weight Gelator in an Organic Solvent. 2020 , 124, 2277-2288		6
71	Enzyme-Instructed Assemblies Enable Mitochondria Localization of Histone H2B in Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9330-9334	16.4	32
70	Transformable peptide nanoparticles arrest HER2 signalling and cause cancer cell death in vivo. 2020 , 15, 145-153		77
69	Enzyme-Instructed Self-Assembly for Cancer Therapy and Imaging. 2020 , 31, 492-500		31
68	Intracellular self-assembly of supramolecular gelators to selectively kill cells of interest. 2020 , 52, 883-889		12
67	Targeting self-assembly peptide for inhibiting breast tumor progression and metastasis. <i>Biomaterials</i> , 2020 , 249, 120055	15.6	34
66	Trypsin-Instructed Self-Assembly on Endoplasmic Reticulum for Selectively Inhibiting Cancer Cells: Dedicated to Professor George M. Whitesides on the occasion of his 80th birthday. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2000416	10.1	12
65	Enzymatically Forming Cell Compatible Supramolecular Assemblies of Tryptophan-Rich Short Peptides.. 2021 , 113, e24173		5
64	Say no to drugs: Bioactive macromolecular therapeutics without conventional drugs. 2021 , 330, 1191-1207		5
63	In vivo self-assembled nanomedicine. 2021 , 36, 101036		15
62	Epoc group: transformable protecting group with gold(iii)-catalyzed fluorene formation. 2021 , 12, 10703-10709		
61	Dynamic supramolecular self-assembly of platinum(ii) complexes perturbs an autophagy-lysosomal system and triggers cancer cell death.. 2021 , 12, 15229-15238		4
60	Chapter 5:Self-assembling Hydrogels Based on Natural Building Blocks. 2021 , 112-140		0
59	Thiophosphopeptides Instantly Targeting Golgi Apparatus and Selectively Killing Cancer Cells.		

58	Pathological environment directed in situ peptidic supramolecular assemblies for nanomedicines. 2021 , 16, 022011		2
57	Synthesis and Self-Assembly Properties of Bola-Amphiphilic Glycosylated Lipopeptide-Type Supramolecular Hydrogels Showing Colour Changes Along with Gel-Sol Transition. 2021 , 22,		1
56	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
55	Lysosome-Instructed Self-Assembly of Amino-Acid-Functionalized Perylene Diimide for Multidrug-Resistant Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 14866-14874	9.5	3
54	Biological-stimuli-responsive Supramolecular Hydrogels toward Medicinal and Pharmaceutical Applications. 2021 , 50, 459-466		4
53	Supramolecular Dipeptide-Based Near-Infrared Fluorescent Nanotubes for Cellular Mitochondria Targeted Imaging and Early Apoptosis. 2021 , 32, 833-841		4
52	Carbohydrate amphiphiles for supramolecular biomaterials: Design, self-assembly, and applications. 2021 ,		4
51	Enzymatic Assemblies of Thiophosphopeptides Instantly Target Golgi Apparatus and Selectively Kill Cancer Cells**. <i>Angewandte Chemie</i> , 2021 , 133, 12906-12911	3.6	4
50	In Situ Construction of Functional Assemblies in Living Cells for Cancer Therapy. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100381	10.1	2
49	Microenvironment pH-Induced Selective Cell Death for Potential Cancer Therapy Using Nanofibrous Self-Assembly of a Peptide Amphiphile. 2021 , 22, 2524-2531		5
48	Enzymatic Assemblies of Thiophosphopeptides Instantly Target Golgi Apparatus and Selectively Kill Cancer Cells*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 12796-12801	16.4	21
47	Structure-Based Programming of Supramolecular Assemblies in Living Cells for Selective Cancer Cell Inhibition. <i>Angewandte Chemie</i> , 2021 , 133, 21978-21987	3.6	0
46	Development of an Amino Sugar-Based Supramolecular Hydrogelator with Reduction Responsiveness. 2021 , 1, 1639-1646		1
45	Structure-Based Programming of Supramolecular Assemblies in Living Cells for Selective Cancer Cell Inhibition. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21807-21816	16.4	6
44	Synthesis and Self-Assembling Properties of Peracetylated β -1-Triazolyl Alkyl D-Glucosides and D-Galactosides. 2021 , 3, 935-958		1
43	Spatiotemporal Control over Chemical Assembly in Living Cells by Integration of Acid-Catalyzed Hydrolysis and Enzymatic Reactions. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23797-23804	16.4	5
42	Enzymatically Forming Intranuclear Peptide Assemblies for Selectively Killing Human Induced Pluripotent Stem Cells. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15852-15862	16.4	8
41	Spatiotemporal Control over Chemical Assembly in Living Cells by Integration of Acid-Catalyzed Hydrolysis and Enzymatic Reactions. <i>Angewandte Chemie</i> , 2021 , 133, 23990	3.6	0

40	Enzyme entrapment, biocatalyst immobilization without covalent attachment. <i>Green Chemistry</i> , 2021 , 23, 4980-5005	10	19
39	Enzymatic Noncovalent Synthesis for Mitochondrial Genetic Engineering of Cancer Cells. 2020 , 1, 100270-100270		
38	Branched peptides for enzymatic supramolecular hydrogelation. 2017 , 54, 86-89		26
37	Enzyme-Instructed Self-assembly in Biological Milieu for Theranostics Purpose. <i>Current Medicinal Chemistry</i> , 2019 , 26, 1351-1365	4.3	4
36	Intracellular Condensates of Oligopeptide for Targeting Lysosome and Addressing Multiple Drug Resistance of Cancer. <i>Advanced Materials</i> , 2021 , e2104704	24	7
35	Smart Nanogatekeepers for Tumor Theranostics. <i>Small</i> , 2021 , 17, e2103712	11	1
34	Lysosome-Targeted and Fluorescence-Turned "On" Cytotoxicity Induced by Alkaline Phosphatase-Triggered Self-Assembly. <i>Advanced Healthcare Materials</i> , 2021 , e2101346	10.1	1
33	Precision biomaterials in cancer theranostics and modelling. <i>Biomaterials</i> , 2021 , 280, 121299	15.6	5
32	Enzyme-Induced Transformable Peptide Nanocarriers with Enhanced Drug Permeability and Retention to Improve Tumor Nanotherapy Efficacy. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 55913-55927	9.5	4
31	Carrier-free nanomedicines for cancer treatment. <i>Progress in Materials Science</i> , 2022 , 125, 100919	42.2	5
30	Alkaline Phosphatase: A Reliable Endogenous Partner for Drug Delivery and Diagnostics. <i>Advanced Therapeutics</i> , 2100219	4.9	2
29	Synthesis and bioactivity of pyrrole-conjugated phosphopeptides.. <i>Beilstein Journal of Organic Chemistry</i> , 2022 , 18, 159-166	2.5	1
28	A Facile Synthesis of Amphiphilic N-glycosyl naphthalimides and Fabrication of Flexible Semiconductor using Molecular Self-Assembly. <i>Green Chemistry</i> ,	10	1
27	Enzyme-Instructed Self-Assembly of Peptides: From Concept to Representative Applications.. <i>Chemistry - an Asian Journal</i> , 2022 ,	4.5	0
26	Localized Enzyme-Assisted Self-Assembly of low molecular weight hydrogelators. Mechanism, applications and perspectives.. <i>Advances in Colloid and Interface Science</i> , 2022 , 304, 102660	14.3	0
25	Glutathione-Triggered Mitochondria-Targeting Reassembly from Polymeric Micelles to Nanofibers for a Synergistic Anticancer Effect.. <i>ACS Macro Letters</i> , 2022 , 11, 543-548	6.6	1
24	Table_1.DOCX. 2020 ,		
23	Table_2.docx. 2020 ,		

22	Data_Sheet_1.docx. 2020 ,		
21	Supramolecular Assemblies for Cancer Diagnosis and Treatment. 2022 , 161-194		
20	Embedding Hydrogels into Microfluidic Chips: Vascular Transport Analyses and Drug Delivery Optimization. 2022 , 275-294		
19	Enzyme-Assisted Hydrogel Formation for Tissue Engineering Applications. 2022 , 63-95		
18	Progress of Enzyme-Manipulated Hydrogelation of Small Molecules for Biomedical Applications. <i>SSRN Electronic Journal</i> ,	1	
17	Semiconducting Polymer Nanoparticles with Surface-Mimicking Protein Secondary Structure As Lysosome-Targeting Chimaeras for Self-Synergistic Cancer Immunotherapy. <i>Advanced Materials</i> , 22033094	3.4	11
16	Thermoresponsive Polymer Assemblies: From Molecular Design to Theranostics Application. <i>Progress in Polymer Science</i> , 2022 , 101578	29.6	0
15	Enzyme Responsive Rigid-Rod Aromatics Target Undruggable Phosphatases to Kill Cancer Cells in a Mimetic Bone Microenvironment. <i>Journal of the American Chemical Society</i> ,	16.4	1
14	A pH-Driven Small-Molecule Nanotransformer Hijacks Lysosomes and Overcomes Autophagy-Induced Resistance in Cancer. <i>Angewandte Chemie - International Edition</i> ,	16.4	
13	A pH-Driven Small-Molecule Nanotransformer Hijacks Lysosomes and Overcomes Autophagy-Induced Resistance in Cancer. <i>Angewandte Chemie</i> ,	3.6	
12	In Situ Synthesis of an Anticancer Peptide Amphiphile Using Tyrosine Kinase Overexpressed in Cancer Cells.		0
11	Controlling Intracellular Enzymatic Self-Assembly of Peptide by Host-Guest Complexation for Programming Cancer Cell Death.		2
10	Enzyme-manipulated hydrogelation of small molecules for biomedical applications. 2022 ,		1
9	Cancer-Selective Supramolecular Chemotherapy by Disassembly-Assembly Approach. 2208098		0
8	Triggered Self-Sorting of Peptides to Form Higher-Order Assemblies in a Living System.		1
7	Kinetic selectivity dictates the construction of cancer cell-targeting enzyme instructed supramolecular assemblies. 2022 , 47, 101658		0
6	Efficacy of molecular and nano-therapies on brain tumor models in microfluidic devices. 2023 , 144, 213227		1
5	Supramolecular carbohydrate-based hydrogels from oxidative hydroxylation of amphiphilic α -D-glucosylbarbiturates and α -glucosidase-induced hydrogelation.		1

- 4 Matrix Metalloproteinase-2-Induced Morphologic Transformation of Self-Assembled Peptide Nanocarriers Inhibits Tumor Growth and Metastasis. **2023**, 5, 900-908
- 3 Hierarchical Self-assembly of G-Quadruplexes Based Hydrogel Consisting of Guanine and Peptide Epitope
- 2 An enzyme-instructed self-assembly system induces tumor acidosis via sequential-dual effect for cancer selective therapy. **2023**,
- 1 Dramatic morphological changes in liposomes induced by peptide nanofibers reversibly polymerized and depolymerized by the photoisomerization of spiropyran. 10,