

Enzyme-Instructed Self-Assembly of Small d for Selectively Killing Cancer Cells

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Negatively Charged Lipid Membranes Catalyze Supramolecular Hydrogel Formation. <i>Journal of the American Chemical Society</i> , 2016, 138, 8670-8673.	6.6	32
2	Nanocomputed Tomography Imaging of Bacterial Alkaline Phosphatase Activity with an Iodinated Hydrogelator. <i>Analytical Chemistry</i> , 2016, 88, 11982-11985.	3.2	27
3	Minimal C-terminal modification boosts peptide self-assembling ability for necroptosis of cancer cells. <i>Chemical Communications</i> , 2016, 52, 6332-6335.	2.2	30
4	Mitochondria-Targeted Chimeric Peptide for Trinitarian Overcoming of Drug Resistance. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25060-25068.	4.0	61
5	Switching the Immunogenicity of Peptide Assemblies Using Surface Properties. <i>ACS Nano</i> , 2016, 10, 9274-9286.	7.3	121
6	Enzyme-Instructed Self-Assembly for Spatiotemporal Profiling of the Activities of Alkaline Phosphatases on Live Cells. <i>Chem</i> , 2016, 1, 246-263.	5.8	143
7	Controlling the width of nanosheets by peptide length in peptoid-peptide biohybrid hydrogels. <i>RSC Advances</i> , 2016, 6, 67025-67028.	1.7	7
8	Enzyme-Regulated Supramolecular Assemblies of Cholesterol Conjugates against Drug-Resistant Ovarian Cancer Cells. <i>Journal of the American Chemical Society</i> , 2016, 138, 10758-10761.	6.6	102
9	Cell Environment-Differentiated Self-Assembly of Nanofibers. <i>Journal of the American Chemical Society</i> , 2016, 138, 11128-11131.	6.6	155
10	Galactose-decorated light-responsive hydrogelator precursors for selectively killing cancer cells. <i>Chemical Communications</i> , 2016, 52, 12574-12577.	2.2	28
11	Effect of Peptide Sequences on Supramolecular Interactions of Naphthaleneimide/Tripeptide Conjugates. <i>Langmuir</i> , 2016, 32, 7630-7638.	1.6	31
12	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.	6.6	254
13	D-amino acid-containing supramolecular nanofibers for potential cancer therapeutics. <i>Advanced Drug Delivery Reviews</i> , 2017, 110-111, 102-111.	6.6	74
14	Peptide-drug conjugates as effective prodrug strategies for targeted delivery. <i>Advanced Drug Delivery Reviews</i> , 2017, 110-111, 112-126.	6.6	366
15	Enzyme-instructed self-assembly of peptides containing phosphoserine to form supramolecular hydrogels as potential soft biomaterials. <i>Frontiers of Chemical Science and Engineering</i> , 2017, 11, 509-515.	2.3	24
16	Amino Acids and Peptide-Based Supramolecular Hydrogels for Three-Dimensional Cell Culture. <i>Advanced Materials</i> , 2017, 29, 1604062.	11.1	260
17	Ultrashort self-assembling Fmoc-peptide gelators for anti-infective biomaterial applications. <i>Journal of Peptide Science</i> , 2017, 23, 131-140.	0.8	57
18	One-Component Supramolecular Filament Hydrogels as Theranostic Label-Free Magnetic Resonance Imaging Agents. <i>ACS Nano</i> , 2017, 11, 797-805.	7.3	95

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19	Dual Fluorescent and Isotopic Labeled Self-Assembling Vancomycin for in vivo Imaging of Bacterial Infections. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2356-2360.	7.2	98
20	Dual Fluorescent and Isotopic Labeled Self-Assembling Vancomycin for in vivo Imaging of Bacterial Infections. <i>Angewandte Chemie</i> , 2017, 129, 2396-2400.	1.6	14
21	Selectively Inducing Cancer Cell Death by Intracellular Enzyme-Constructed Self-Assembly (EISA) of Dipeptide Derivatives. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601400.	3.9	56
22	In situ generated Peptidic nanofibrils as multifaceted apoptotic inducers to target cancer cells. <i>Cell Death and Disease</i> , 2017, 8, e2614-e2614.	2.7	40
23	A photo-degradable supramolecular hydrogel for selective delivery of microRNA into 3D-cultured cells. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2191-2198.	1.5	16
24	Phosphatase-triggered cell-selective release of a Pt(IV)-backboned prodrug-like polymer for an improved therapeutic index. <i>Biomaterials Science</i> , 2017, 5, 1558-1566.	2.6	11
25	Patching of Lipid Rafts by Molecular Self-Assembled Nanofibrils Suppresses Cancer Cell Migration. <i>CheM</i> , 2017, 2, 283-298.	5.8	40
26	Intracellular enzyme-activatable prodrug for real-time monitoring of chlorambucil delivery and imaging. <i>Chinese Chemical Letters</i> , 2017, 28, 1345-1351.	4.8	19
27	Biocatalytic Self-Assembly Cascades. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6828-6832.	7.2	65
28	Protease-Sensitive Nanomaterials for Cancer Therapeutics and Imaging. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 5761-5777.	1.8	55
29	Alkaline Phosphatase-Instructed Self-Assembly of Gadolinium Nanofibers for Enhanced T ₂ -Weighted Magnetic Resonance Imaging of Tumor. <i>Analytical Chemistry</i> , 2017, 89, 6922-6925.	3.2	66
30	Molecular, Local, and Network-Level Basis for the Enhanced Stiffness of Hydrogel Networks Formed from Coassembled Racemic Peptides: Predictions from Pauling and Corey. <i>ACS Central Science</i> , 2017, 3, 586-597.	5.3	107
31	Dual-targeting peptide probe for sequence- and structure-sensitive sensing of serum albumin. <i>Biosensors and Bioelectronics</i> , 2017, 94, 657-662.	5.3	15
32	Bioinspired assembly of small molecules in cell milieu. <i>Chemical Society Reviews</i> , 2017, 46, 2421-2436.	18.7	188
33	Supramolecular biofunctional materials. <i>Biomaterials</i> , 2017, 129, 1-27.	5.7	196
34	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.	6.6	124
35	Peptide Logic Circuits Based on Chemoenzymatic Ligation for Programmable Cell Apoptosis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14888-14892.	7.2	26
36	Enzymatically crosslinked hydrogels based on linear poly(ethylene glycol) polymer: performance and mechanism. <i>Polymer Chemistry</i> , 2017, 8, 7017-7024.	1.9	20

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37	Fabrication of self-assembling nanofibers with optimal cell uptake and therapeutic delivery efficacy. <i>Bioactive Materials</i> , 2017, 2, 260-268.	8.6	22
38	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.	6.6	108
39	Peptide-Based Supramolecular Chemistry. , 2017, , 135-163.		0
40	Recent progress in exploiting small molecule peptides as supramolecular hydrogelators. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017, 35, 1194-1211.	2.0	7
41	An amino acid-based gelator for injectable and multi-responsive hydrogel. <i>Chinese Chemical Letters</i> , 2017, 28, 2125-2128.	4.8	25
42	Cancer vaccines using supramolecular hydrogels of NSAID-modified peptides as adjuvants abolish tumorigenesis. <i>Nanoscale</i> , 2017, 9, 14058-14064.	2.8	61
43	Selective inhibition of cancer cells by enzyme-induced gain of function of phosphorylated melittin analogues. <i>Chemical Science</i> , 2017, 8, 7675-7681.	3.7	14
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45	Enzyme-instructed self-assembly with photo-responses for the photo-regulation of cancer cells. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6892-6895.	1.5	13
46	Bacteria-Assisted Activation of Antimicrobial Polypeptides by a Random-Coil to Helix Transition. <i>Angewandte Chemie</i> , 2017, 129, 10966-10969.	1.6	8
47	Enzyme-assisted peptide folding, assembly and anti-cancer properties. <i>Nanoscale</i> , 2017, 9, 11987-11993.	2.8	56
48	Sequentially Programmable and Cellularly Selective Assembly of Fluorescent Polymerized Vesicles for Monitoring Cell Apoptosis. <i>Advanced Science</i> , 2017, 4, 1700310.	5.6	19
49	Supramolecular Chemistry of Biomimetic Systems. , 2017, , .		3
50	Intracellular construction of topology-controlled polypeptide nanostructures with diverse biological functions. <i>Nature Communications</i> , 2017, 8, 1276.	5.8	104
51	Biocatalytic Self-Assembly Cascades. <i>Angewandte Chemie</i> , 2017, 129, 6932-6936.	1.6	26
52	Bacteria-Assisted Activation of Antimicrobial Polypeptides by a Random-Coil to Helix Transition. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10826-10829.	7.2	108
53	Drug self-delivery systems for cancer therapy. <i>Biomaterials</i> , 2017, 112, 234-247.	5.7	443
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57	Regulating Higher-Order Organization through the Synergy of Two Self-Sorted Assemblies. <i>Angewandte Chemie</i> , 2018, 130, 3698-3702.	1.6	1
58	In Vivo Self-Assembly Nanotechnology for Biomedical Applications. <i>Nanomedicine and Nanotoxicology</i> , 2018, , .	0.1	1
59	Directed Nanoscale Self-Assembly of Low Molecular Weight Hydrogelators Using Catalytic Nanoparticles. <i>Advanced Materials</i> , 2018, 30, e1707408.	11.1	20
60	Propagation of Enzyme-Induced Surface Events inside Polymer Nanoassemblies for a Fast and Tunable Response. <i>Angewandte Chemie</i> , 2018, 130, 7229-7233.	1.6	0
61	Propagation of Enzyme-Induced Surface Events inside Polymer Nanoassemblies for a Fast and Tunable Response. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7111-7115.	7.2	13
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63	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.	6.6	63
64	Artemisinin-Loaded Mesoporous Nanoplatforam for pH-Responsive Radical Generation Synergistic Tumor Theranostics. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 6155-6167.	4.0	22
65	Tandem Molecular Self-Assembly in Liver Cancer Cells. <i>Angewandte Chemie</i> , 2018, 130, 1831-1834.	1.6	44
66	Regulating Higher-Order Organization through the Synergy of Two Self-Sorted Assemblies. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3636-3640.	7.2	25
67	Tandem Molecular Self-Assembly in Liver Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1813-1816.	7.2	199
68	Kinetic control over supramolecular hydrogelation and anticancer properties of taxol. <i>Chemical Communications</i> , 2018, 54, 755-758.	2.2	14
69	Intracellular Peptide Self-Assembly: A Biomimetic Approach for <i>in Situ</i> Nanodrug Preparation. <i>Bioconjugate Chemistry</i> , 2018, 29, 826-837.	1.8	37
70	A Transformable Chimeric Peptide for Cell Encapsulation to Overcome Multidrug Resistance. <i>Small</i> , 2018, 14, e1703321.	5.2	70
71	Enzyme-Instructed Self-assembly of Small Peptides In Vivo for Biomedical Application. <i>Nanomedicine and Nanotoxicology</i> , 2018, , 89-114.	0.1	1
72	Tuning Optoelectronic and Chiroptic Properties of Peptide-Based Materials by Controlling the Pathway Complexity. <i>Chemistry - A European Journal</i> , 2018, 24, 7755-7760.	1.7	10

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74	Protein-mimetic peptide nanofibers: Motif design, self-assembly synthesis, and sequence-specific biomedical applications. <i>Progress in Polymer Science</i> , 2018, 80, 94-124.	11.8	145
75	A supramolecular peptide polymer from hydrogen-bond and coordination-driven self-assembly. <i>Polymer Chemistry</i> , 2018, 9, 69-76.	1.9	15
76	Enzyme-instructed self-assembly leads to the activation of optical properties for selective fluorescence detection and photodynamic ablation of cancer cells. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2566-2573.	2.9	47
77	Synergistic enzymatic and bioorthogonal reactions for selective prodrug activation in living systems. <i>Nature Communications</i> , 2018, 9, 5032.	5.8	141
78	Precise nanomedicine for intelligent therapy of cancer. <i>Science China Chemistry</i> , 2018, 61, 1503-1552.	4.2	336
79	Near-Infrared Laser-Driven in Situ Self-Assembly as a General Strategy for Deep Tumor Therapy. <i>Nano Letters</i> , 2018, 18, 6577-6584.	4.5	71
80	A supramolecular hydrogel for spatial-temporal release of auxin to promote plant root growth. <i>Chemical Communications</i> , 2018, 54, 11721-11724.	2.2	10
81	Self-Assembled Nanomedicines for Anticancer and Antibacterial Applications. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800670.	3.9	63
82	Stimuli-responsive peptide-based biomaterials as drug delivery systems. <i>Chemical Engineering Journal</i> , 2018, 353, 559-583.	6.6	96
83	An <i>in Vivo</i> Self-assembly Strategy for Constructing Superstructures for Biomedical Applications. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 1103-1113.	2.0	12
84	Peptides containing d -amino acids and retro-inverso peptides. , 2018, , 131-155.		14
85	Impact of Secondary Structure of Polypeptides on Glucose Concentration Sensitivity of Nanocarriers for Insulin Delivery. <i>ACS Applied Bio Materials</i> , 2018, 1, 328-339.	2.3	2
86	Remineralization Efficacy of an Amelogenin-Based Synthetic Peptide on Carious Lesions. <i>Frontiers in Physiology</i> , 2018, 9, 842.	1.3	23
87	Recent progresses in small-molecule enzymatic fluorescent probes for cancer imaging. <i>Chemical Society Reviews</i> , 2018, 47, 7140-7180.	18.7	689
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89	A Peptide-Based Supramolecular Hydrogel for Controlled Delivery of Amine Drugs. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3460-3463.	1.7	21
90	Self-Assembly-Directed Cancer Cell Membrane Insertion of Synthetic Analogues for Permeability Alteration. <i>Langmuir</i> , 2019, 35, 7376-7382.	1.6	8

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91	Inâ€¦Situ Selfâ€¦Assembled Nanofibers Precisely Target Cancerâ€¦Associated Fibroblasts for Improved Tumor Imaging. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15287-15294.	7.2	107
92	Inâ€¦Situ Selfâ€¦Assembled Nanofibers Precisely Target Cancerâ€¦Associated Fibroblasts for Improved Tumor Imaging. <i>Angewandte Chemie</i> , 2019, 131, 15431-15438.	1.6	24
93	Protamineâ€¦Induced condensation of peptide nanofilaments into twisted bundles with controlled helical geometry. <i>Journal of Peptide Science</i> , 2019, 25, e3176.	0.8	1
94	Enzyme-Instructed Peptide Assemblies Selectively Inhibit Bone Tumors. <i>CheM</i> , 2019, 5, 2442-2449.	5.8	118
95	Enzymatic Noncovalent Synthesis of Supramolecular Soft Matter for Biomedical Applications. <i>Matter</i> , 2019, 1, 1127-1147.	5.0	54
96	Polymer-Mediated Penetration-Independent Cancer Therapy. <i>Biomacromolecules</i> , 2019, 20, 4258-4271.	2.6	38
97	Drug Delivery with Designed Peptide Assemblies. <i>Trends in Pharmacological Sciences</i> , 2019, 40, 747-762.	4.0	79
98	Customizing Morphology, Size, and Response Kinetics of Matrix Metalloproteinase-Responsive Nanostructures by Systematic Peptide Design. <i>ACS Nano</i> , 2019, 13, 1555-1562.	7.3	34
99	Controlled Fabrication of Micropatterned Supramolecular Gels by Directed Selfâ€¦Assembly of Small Molecular Gelators. <i>Small</i> , 2019, 15, e1804154.	5.2	11
100	Instructed Assembly as Contextâ€¦Dependent Signaling for the Death and Morphogenesis of Cells. <i>Angewandte Chemie</i> , 2019, 131, 5623-5627.	1.6	7
101	Activatable NIR Fluorescence/MRI Bimodal Probes for in Vivo Imaging by Enzyme-Mediated Fluorogenic Reaction and Self-Assembly. <i>Journal of the American Chemical Society</i> , 2019, 141, 10331-10341.	6.6	268
102	Î²-Galactosidase instructed supramolecular hydrogelation for selective identification and removal of senescent cells. <i>Chemical Communications</i> , 2019, 55, 7175-7178.	2.2	44
103	Peptide-modulated self-assembly as a versatile strategy for tumor supramolecular nanotheranostics. <i>Theranostics</i> , 2019, 9, 3249-3261.	4.6	60
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105	A Tripeptide-Stabilized Nanoemulsion of Oleic Acid. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	0
106	Spatiotemporal Control of Enzymeâ€¦Induced Crystallization Under Lyotropic Liquid Crystal Nanoconfinement. <i>Angewandte Chemie</i> , 2019, 131, 7367-7371.	1.6	2
107	Spatiotemporal Control of Enzymeâ€¦Induced Crystallization Under Lyotropic Liquid Crystal Nanoconfinement. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7289-7293.	7.2	11
108	Instructed Assembly as Contextâ€¦Dependent Signaling for the Death and Morphogenesis of Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5567-5571.	7.2	45

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110	Enzyme-Instructed Supramolecular Self-Assembly with Anticancer Activity. <i>Advanced Materials</i> , 2019, 31, e1804814.	11.1	75
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114	Desuccinylation-Triggered Peptide Self-Assembly: Live Cell Imaging of SIRT5 Activity and Mitochondrial Activity Modulation. <i>Journal of the American Chemical Society</i> , 2020, 142, 18150-18159.	6.6	84
115	Enzyme Instructed Self-Assembly of Naphthalimide-Dipeptide: Spontaneous Transformation from Nanosphere to Nanotubular Structures that Induces Hydrogelation. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2696-2705.	1.7	10
116	Enzyme-instructed morphological transition of the supramolecular assemblies of branched peptides. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 2709-2718.	1.3	0
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119	Proton-driven transformable nanovaccine for cancer immunotherapy. <i>Nature Nanotechnology</i> , 2020, 15, 1053-1064.	15.6	194
120	Unravelling the Enzymatic Degradation Mechanism of Supramolecular Peptide Nanofibers and Its Correlation with Their Internal Viscosity. <i>Nano Letters</i> , 2020, 20, 7375-7381.	4.5	12
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122	Aromatic carbohydrate amphiphile disrupts cancer spheroids and prevents relapse. <i>Nanoscale</i> , 2020, 12, 19088-19092.	2.8	8
123	Enzymatic Noncovalent Synthesis. <i>Chemical Reviews</i> , 2020, 120, 9994-10078.	23.0	143
124	Controlled Supramolecular Assembly Inside Living Cells by Sequential Multistaged Chemical Reactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 15780-15789.	6.6	59
125	Constructing Cross-Linked Nanofibrous Scaffold via Dual-Enzyme-Instructed Hierarchical Assembly. <i>Langmuir</i> , 2020, 36, 6261-6267.	1.6	6
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130	Enzyme-instructed assembly of a cholesterol conjugate promotes pro-inflammatory macrophages and induces apoptosis of cancer cells. Biomaterials Science, 2020, 8, 2007-2017.	2.6	10
131	Size-Tunable Strategies for a Tumor Targeted Drug Delivery System. ACS Central Science, 2020, 6, 100-116.	5.3	281
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134	Amplified Self-Immolative Release of Small Molecules by Spatial Isolation of Reactive Groups on DNA-Minimal Architectures. Angewandte Chemie - International Edition, 2020, 59, 12900-12908.	7.2	32
135	Intracellular self-assembly of supramolecular gelators to selectively kill cells of interest. Polymer Journal, 2020, 52, 883-889.	1.3	17
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141	Implantable HDAC-inhibiting chemotherapeutics derived from hydrophobic amino acids for localized anticancer therapy. Biomaterials Science, 2021, 9, 261-271.	2.6	4
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143	Naphthalene-facilitated self-assembly of a Gd-chelate as a novel ² T MRI contrast agent for visualization of stem cell transplants. Journal of Materials Chemistry B, 2021, 9, 5729-5737.	2.9	1
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146	Peptide Assemblies Mimicking Chaperones for Protein Trafficking. <i>Bioconjugate Chemistry</i> , 2021, 32, 502-506.	1.8	5
147	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.	4.0	19
148	Biological-stimuli-responsive Supramolecular Hydrogels toward Medicinal and Pharmaceutical Applications. <i>Chemistry Letters</i> , 2021, 50, 459-466.	0.7	5
149	In Situ Supramolecular Self-Assembly of Pt(IV) Prodrug to Conquer Cisplatin Resistance. <i>Advanced Functional Materials</i> , 2021, 31, 2101826.	7.8	37
150	Microscopic Imaging Techniques for Molecular Assemblies: Electron, Atomic Force, and Confocal Microscopies. <i>Chemical Reviews</i> , 2021, 121, 14281-14347.	23.0	34
151	Emerging self-assembling peptide nanomaterial for anti-cancer therapy. <i>Journal of Biomaterials Applications</i> , 2021, 36, 882-901.	1.2	5
152	Triple Enzyme-Regulated Molecular Hydrogels for Carrier-Free Delivery of Lonidamine. <i>Advanced Functional Materials</i> , 2021, 31, 2104418.	7.8	22
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