

# Xuehai Yan

## List of Publications by Year in descending order

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212  
papers

19,994  
citations

9234

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11581

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234  
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234  
docs citations

234  
times ranked

16599  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-assembly and application of diphenylalanine-based nanostructures. <i>Chemical Society Reviews</i> , 2010, 39, 1877.	18.7	880
2	Peptide self-assembly: thermodynamics and kinetics. <i>Chemical Society Reviews</i> , 2016, 45, 5589-5604.	18.7	760
3	Biological Photothermal Nanodots Based on Self-Assembly of Peptide-Porphyrin Conjugates for Antitumor Therapy. <i>Journal of the American Chemical Society</i> , 2017, 139, 1921-1927.	6.6	758
4	Controlled Preparation of MnO <sub>2</sub> Hierarchical Hollow Nanostructures and Their Application in Water Treatment. <i>Advanced Materials</i> , 2008, 20, 452-456.	11.1	712
5	An Injectable Self-Assembling Collagen-Gold Hybrid Hydrogel for Combinatorial Antitumor Photothermal/Photodynamic Therapy. <i>Advanced Materials</i> , 2016, 28, 3669-3676.	11.1	700
6	Self-Assembled Peptide- and Protein-Based Nanomaterials for Antitumor Photodynamic and Photothermal Therapy. <i>Advanced Materials</i> , 2017, 29, 1605021.	11.1	594
7	Simple Peptide-Tuned Self-Assembly of Photosensitizers towards Anticancer Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3036-3039.	7.2	453
8	NIR Light-Driving Barrier-Free Group Rotation in Nanoparticles with an 88.3% Photothermal Conversion Efficiency for Photothermal Therapy. <i>Advanced Materials</i> , 2020, 32, e1907855.	11.1	422
9	Smart Peptide-Based Supramolecular Photodynamic Metallo-Nanodrugs Designed by Multicomponent Coordination Self-Assembly. <i>Journal of the American Chemical Society</i> , 2018, 140, 10794-10802.	6.6	377
10	Hierarchically oriented organization in supramolecular peptide crystals. <i>Nature Reviews Chemistry</i> , 2019, 3, 567-588.	13.8	326
11	Preparation of Graphene Oxide-Based Hydrogels as Efficient Dye Adsorbents for Wastewater Treatment. <i>Nanoscale Research Letters</i> , 2015, 10, 931.	3.1	309
12	Transition of Cationic Dipeptide Nanotubes into Vesicles and Oligonucleotide Delivery. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2431-2434.	7.2	306
13	Carrier-Free, Chemophotodynamic Dual Nanodrugs via Self-Assembly for Synergistic Antitumor Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 13262-13269.	4.0	281
14	Recent advances of self-assembling peptide-based hydrogels for biomedical applications. <i>Soft Matter</i> , 2019, 15, 1704-1715.	1.2	280
15	Solvent-Induced Structural Transition of Self-Assembled Dipeptide: From Organogels to Microcrystals. <i>Chemistry - A European Journal</i> , 2010, 16, 3176-3183.	1.7	270
16	Peptide-Modulated Self-Assembly of Chromophores toward Biomimetic Light Harvesting Nanoarchitectonics. <i>Advanced Materials</i> , 2016, 28, 1031-1043.	11.1	253
17	Self-Assembling Endogenous Biliverdin as a Versatile Near-Infrared Photothermal Nanoagent for Cancer Theranostics. <i>Advanced Materials</i> , 2019, 31, e1900822.	11.1	249
18	Nucleation and Growth of Amino Acid and Peptide Supramolecular Polymers through Liquid-Liquid Phase Separation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18116-18123.	7.2	241

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19	Organogels Based on Self-Assembly of Diphenylalanine Peptide and Their Application To Immobilize Quantum Dots. <i>Chemistry of Materials</i> , 2008, 20, 1522-1526.	3.2	238
20	Supramolecular Photothermal Effects: A Promising Mechanism for Efficient Thermal Conversion. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3793-3801.	7.2	219
21	Self-Assembly Reduced Graphene Oxide Nanosheet Hydrogel Fabrication by Anchorage of Chitosan/Silver and Its Potential Efficient Application toward Dye Degradation for Wastewater Treatments. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 3130-3139.	3.2	202
22	Multifunctional Antimicrobial Biometallohydrogels Based on Amino Acid Coordinated Self-Assembly. <i>Small</i> , 2020, 16, e1907309.	5.2	196
23	Charge-Induced Secondary Structure Transformation of Amyloid-Derived Dipeptide Assemblies from $\beta$ -Sheet to $\alpha$ -Helix. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1537-1542.	7.2	192
24	Self-Assembled Minimalist Multifunctional Theranostic Nanoplatfor for Magnetic Resonance Imaging-Guided Tumor Photodynamic Therapy. <i>ACS Nano</i> , 2018, 12, 8266-8276.	7.3	191
25	Supramolecular Photothermal Nanomaterials as an Emerging Paradigm toward Precision Cancer Therapy. <i>Advanced Functional Materials</i> , 2019, 29, 1806877.	7.8	186
26	Amino Acid Coordination Driven Self-Assembly for Enhancing both the Biological Stability and Tumor Accumulation of Curcumin. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17084-17088.	7.2	185
27	Self-Assembly of Peptide-Inorganic Hybrid Spheres for Adaptive Encapsulation of Guests. <i>Advanced Materials</i> , 2010, 22, 1283-1287.	11.1	182
28	Triggered release of insulin from glucose-sensitive enzyme multilayer shells. <i>Biomaterials</i> , 2009, 30, 2799-2806.	5.7	181
29	Enzyme-Responsive Release of Doxorubicin from Monodisperse Dipeptide-Based Nanocarriers for Highly Efficient Cancer Treatment In Vitro. <i>Advanced Functional Materials</i> , 2015, 25, 1193-1204.	7.8	178
30	Self-Assembled Zinc/Cystine-Based Chloroplast Mimics Capable of Photoenzymatic Reactions for Sustainable Fuel Synthesis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7876-7880.	7.2	176
31	Reduced Graphene Oxide-Based Silver Nanoparticle-Containing Composite Hydrogel as Highly Efficient Dye Catalysts for Wastewater Treatment. <i>Scientific Reports</i> , 2015, 5, 11873.	1.6	175
32	Self-Assembly of Hexagonal Peptide Microtubes and Their Optical Waveguiding. <i>Advanced Materials</i> , 2011, 23, 2796-2801.	11.1	173
33	Thermosensitive Nanostructures Comprising Gold Nanoparticles Grafted with Block Copolymers. <i>Advanced Functional Materials</i> , 2007, 17, 3134-3140.	7.8	171
34	Peptide-Induced Hierarchical Long-Range Order and Photocatalytic Activity of Porphyrin Assemblies. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 500-505.	7.2	164
35	Multifunctional Porous Microspheres Based on Peptide-Porphyrin Hierarchical Co-Assembly. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2366-2370.	7.2	161
36	Interfacial Cohesion and Assembly of Bioadhesive Molecules for Design of Long-Term Stable Hydrophobic Nanodrugs toward Effective Anticancer Therapy. <i>ACS Nano</i> , 2016, 10, 5720-5729.	7.3	159

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37	Trace Solvent as a Predominant Factor To Tune Dipeptide Self-Assembly. <i>ACS Nano</i> , 2016, 10, 2138-2143.	7.3	156
38	Reversible Transitions between Peptide Nanotubes and Vesicle-Like Structures Including Theoretical Modeling Studies. <i>Chemistry - A European Journal</i> , 2008, 14, 5974-5980.	1.7	151
39	Photoactive properties of supramolecular assembled short peptides. <i>Chemical Society Reviews</i> , 2019, 48, 4387-4400.	18.7	150
40	Self-Assembled Injectable Peptide Hydrogels Capable of Triggering Antitumor Immune Response. <i>Biomacromolecules</i> , 2017, 18, 3514-3523.	2.6	148
41	Mimicking Primitive Photobacteria: Sustainable Hydrogen Evolution Based on Peptide-Porphyrin Co-Assemblies with a Self-Mineralized Reaction Center. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12503-12507.	7.2	145
42	Multitriggered Tumor-Responsive Drug Delivery Vehicles Based on Protein and Polypeptide Coassembly for Enhanced Photodynamic Tumor Ablation. <i>Small</i> , 2016, 12, 5936-5943.	5.2	145
43	Acid-Activatable Transmorphic Peptide-Based Nanomaterials for Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20582-20588.	7.2	134
44	Preparation of polymer-coated mesoporous silica nanoparticles used for cellular imaging by a click-graft-from method. <i>Journal of Materials Chemistry</i> , 2008, 18, 5731.	6.7	132
45	Metal-Ion Modulated Structural Transformation of Amyloid-Like Dipeptide Supramolecular Self-Assembly. <i>ACS Nano</i> , 2019, 13, 7300-7309.	7.3	121
46	Uniaxially Oriented Peptide Crystals for Active Optical Waveguiding. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11186-11191.	7.2	120
47	Co-Assembly of Graphene Oxide and Albumin/Photosensitizer Nanohybrids towards Enhanced Photodynamic Therapy. <i>Polymers</i> , 2016, 8, 181.	2.0	120
48	Self-Assembling Peptide-Based Nanoarchitectonics. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 70-79.	2.0	118
49	An injectable dipeptide-fullerene supramolecular hydrogel for photodynamic antibacterial therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7335-7342.	2.9	116
50	Facile and Scalable Preparation of Graphene Oxide-Based Magnetic Hybrids for Fast and Highly Efficient Removal of Organic Dyes. <i>Scientific Reports</i> , 2015, 5, 12451.	1.6	112
51	Glucose-Sensitive Microcapsules from Glutaraldehyde Cross-Linked Hemoglobin and Glucose Oxidase. <i>Biomacromolecules</i> , 2009, 10, 1212-1216.	2.6	109
52	Highly Loaded Hemoglobin Spheres as Promising Artificial Oxygen Carriers. <i>ACS Nano</i> , 2012, 6, 6897-6904.	7.3	108
53	Supramolecular Nanofibrils Formed by Coassembly of Clinically Approved Drugs for Tumor Photothermal Immunotherapy. <i>Advanced Materials</i> , 2021, 33, e2100595.	11.1	105
54	Encapsulated photosensitive drugs by biodegradable microcapsules to incapacitate cancer cells. <i>Journal of Materials Chemistry</i> , 2007, 17, 4018.	6.7	99

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55	Crystalline Dipeptide Nanobelts Based on Solidâ€“Solid Phase Transformation Self-Assembly and Their Polarization Imaging of Cells. ACS Applied Materials & Interfaces, 2018, 10, 2368-2376.	4.0	98
56	Water-Insoluble Photosensitizer Nanocolloids Stabilized by Supramolecular Interfacial Assembly towards Photodynamic Therapy. Scientific Reports, 2017, 7, 42978.	1.6	97
57	Hemoglobin protein hollow shells fabricated through covalent layer-by-layer technique. Biochemical and Biophysical Research Communications, 2007, 354, 357-362.	1.0	94
58	Controlled Fabrication of Polyaniline Spherical and Cubic Shells with Hierarchical Nanostructures. ACS Nano, 2009, 3, 3714-3718.	7.3	93
59	One-Pot Synthesis of Polypeptideâ€“Gold Nanoconjugates for <i>in Vitro</i> Gene Transfection. ACS Nano, 2012, 6, 111-117.	7.3	93
60	Supramolecular Phthalocyanine Assemblies for Improved Photoacoustic Imaging and Photothermal Therapy. Angewandte Chemie - International Edition, 2020, 59, 8630-8634.	7.2	91
61	Colloidal Goldâ€“Collagen Protein Coreâ€“Shell Nanoconjugate: One-Step Biomimetic Synthesis, Layer-by-Layer Assembled Film, and Controlled Cell Growth. ACS Applied Materials & Interfaces, 2015, 7, 24733-24740.	4.0	88
62	Photooxidaseâ€“Mimicking Nanovesicles with Superior Photocatalytic Activity and Stability Based on Amphiphilic Amino Acid and Phthalocyanine Coâ€“Assembly. Angewandte Chemie - International Edition, 2019, 58, 2000-2004.	7.2	86
63	Simple Peptideâ€“Tuned Selfâ€“Assembly of Photosensitizers towards Anticancer Photodynamic Therapy. Angewandte Chemie, 2016, 128, 3088-3091.	1.6	85
64	Synergistic <i>in vivo</i> photodynamic and photothermal antitumor therapy based on collagen-gold hybrid hydrogels with inclusion of photosensitive drugs. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 514, 155-160.	2.3	85
65	Self-assembling Collagen/Alginate hybrid hydrogels for combinatorial photothermal and immunotumor therapy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 577, 570-575.	2.3	85
66	Nanoengineering of Stimuliâ€“Responsive Proteinâ€“Based Biomimetic Protocells as Versatile Drug Delivery Tools. Chemistry - A European Journal, 2014, 20, 6880-6887.	1.7	84
67	Motor Protein CF <sub>0</sub> Reconstituted in Lipidâ€“Coated Hemoglobin Microcapsules for ATP Synthesis. Advanced Materials, 2008, 20, 601-605.	11.1	83
68	Fabrication of Hierarchical Layer-by-Layer Assembled Diamond-based Core-Shell Nanocomposites as Highly Efficient Dye Absorbents for Wastewater Treatment. Scientific Reports, 2017, 7, 44076.	1.6	83
69	Hydrothermal synthesis of hierarchical coreâ€“shell manganese oxide nanocomposites as efficient dye adsorbents for wastewater treatment. RSC Advances, 2015, 5, 56279-56285.	1.7	82
70	Antitumor Photodynamic Therapy Based on Dipeptide Fibrous Hydrogels with Incorporation of Photosensitive Drugs. ACS Biomaterials Science and Engineering, 2018, 4, 2046-2052.	2.6	82
71	Biomimetic Nanozymes Based on Coassembly of Amino Acid and Hemin for Catalytic Oxidation and Sensing of Biomolecules. Small, 2021, 17, e2008114.	5.2	82
72	Nucleation and Growth of Amino Acid and Peptide Supramolecular Polymers through Liquidâ€“Liquid Phase Separation. Angewandte Chemie, 2019, 131, 18284-18291.	1.6	79

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73	Ferric Ion Driven Assembly of Catalase-like Supramolecular Photosensitizing Nanozymes for Combating Hypoxic Tumors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23228-23238.	7.2	79
74	A peony-flower-like hierarchical mesocrystal formed by diphenylalanine. <i>Journal of Materials Chemistry</i> , 2010, 20, 6734.	6.7	78
75	Amino-acid-Encoded Supramolecular Photothermal Nanomedicine for Enhanced Cancer Therapy. <i>Advanced Materials</i> , 2022, 34, e2200139.	11.1	78
76	Adenosine Triphosphate Biosynthesis Catalyzed by F <sub>1</sub> F <sub>0</sub> ATP Synthase Assembled in Polymer Microcapsules. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6996-7000.	7.2	77
77	Templating Assembly of Multifunctional Hybrid Colloidal Spheres. <i>Advanced Materials</i> , 2012, 24, 2663-2667.	11.1	72
78	The Dominant Role of Oxygen in Modulating the Chemical Evolution Pathways of Tyrosine in Peptides: Dityrosine or Melanin. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5872-5876.	7.2	72
79	Fabrication of Au@Pt Multibranching Nanoparticles and Their Application to In Situ SERS Monitoring. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 17075-17081.	4.0	71
80	Preparation and adsorption capacity evaluation of graphene oxide-chitosan composite hydrogels. <i>Science China Materials</i> , 2015, 58, 811-818.	3.5	70
81	Stimuli-responsive nanoparticles based on co-assembly of naturally-occurring biomacromolecules for in vitro photodynamic therapy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 795-801.	2.3	68
82	Self-Assembly of Peptide-Based Colloids Containing Lipophilic Nanocrystals. <i>Small</i> , 2008, 4, 1687-1693.	5.2	67
83	Kinetically Controlled Self-Assembly of Phthalocyanine-Peptide Conjugate Nanofibrils Enabling Superlarge Redshifted Absorption. <i>CCS Chemistry</i> , 2019, 1, 173-180.	4.6	66
84	Co-Assembly of Heparin and Polypeptide Hybrid Nanoparticles for Biomimetic Delivery and Anti-Thrombus Therapy. <i>Small</i> , 2016, 12, 4719-4725.	5.2	64
85	A cruciform phthalocyanine pentad-based NIR-II photothermal agent for highly efficient tumor ablation. <i>Chemical Science</i> , 2019, 10, 8246-8252.	3.7	64
86	Dipeptide Self-assembled Hydrogels with Shear-Thinning and Instantaneous Self-healing Properties Determined by Peptide Sequences. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 21433-21440.	4.0	63
87	Honeycomb Self-Assembled Peptide Scaffolds by the Breath Figure Method. <i>Chemistry - A European Journal</i> , 2011, 17, 4238-4245.	1.7	62
88	Functional architectures based on self-assembly of bio-inspired dipeptides: Structure modulation and its photoelectronic applications. <i>Advances in Colloid and Interface Science</i> , 2015, 225, 177-193.	7.0	62
89	Stable and optoelectronic dipeptide assemblies for power harvesting. <i>Materials Today</i> , 2019, 30, 10-16.	8.3	62
90	Tumor microenvironment-oriented adaptive nanodrugs based on peptide self-assembly. <i>Chemical Science</i> , 2020, 11, 8644-8656.	3.7	62

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91	Coassembly-Induced Transformation of Dipeptide Amyloid-Like Structures into Stimuli-Responsive Supramolecular Materials. <i>ACS Nano</i> , 2020, 14, 7181-7190.	7.3	62
92	Cross-Linking of Thiolated Paclitaxel-Oligo( <i>p</i> -phenylene vinylene) Conjugates Aggregates inside Tumor Cells Leads to "Chemical Locks" That Increase Drug Efficacy. <i>Advanced Materials</i> , 2018, 30, 1704888.	11.1	61
93	Tunable Mechanical and Optoelectronic Properties of Organic Cocrystals by Unexpected Stacking Transformation from H- to J- and X-Aggregation. <i>ACS Nano</i> , 2020, 14, 10704-10715.	7.3	61
94	Peptide-modulated self-assembly as a versatile strategy for tumor supramolecular nanotheranostics. <i>Theranostics</i> , 2019, 9, 3249-3261.	4.6	60
95	Peptide Mesocrystals as Templates to Create an Au Surface with Stronger Surface-Enhanced Raman Spectroscopic Properties. <i>Chemistry - A European Journal</i> , 2011, 17, 3370-3375.	1.7	59
96	Injectable Self-Assembled Dipeptide-Based Nanocarriers for Tumor Delivery and Effective In Vivo Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 30759-30767.	4.0	59
97	Self-assembled injectable biomolecular hydrogels towards phototherapy. <i>Nanoscale</i> , 2019, 11, 22182-22195.	2.8	59
98	Microcapsules Containing a Biomolecular Motor for ATP Biosynthesis. <i>Advanced Materials</i> , 2008, 20, 2933-2937.	11.1	58
99	Amino Acid Coordinated Self-Assembly. <i>Chemistry - A European Journal</i> , 2018, 24, 755-761.	1.7	58
100	Supramolecular Photothermal Effects: A Promising Mechanism for Efficient Thermal Conversion. <i>Angewandte Chemie</i> , 2020, 132, 3821-3829.	1.6	57
101	Assembly Induced Super-Large Red-Shifted Absorption: The Burgeoning Field of Organic Near-Infrared Materials. <i>CCS Chemistry</i> , 2021, 3, 678-693.	4.6	56
102	Nanodrugs based on peptide-modulated self-assembly: Design, delivery and tumor therapy. <i>Current Opinion in Colloid and Interface Science</i> , 2018, 35, 17-25.	3.4	55
103	Peptide-coordination self-assembly for the precise design of theranostic nanodrugs. <i>Coordination Chemistry Reviews</i> , 2019, 397, 14-27.	9.5	54
104	Injectable self-assembled bola-dipeptide hydrogels for sustained photodynamic prodrug delivery and enhanced tumor therapy. <i>Journal of Controlled Release</i> , 2020, 319, 344-351.	4.8	52
105	Supramolecular Immunotherapy of Cancer Based on the Self-Assembling Peptide Design. <i>Small Structures</i> , 2020, 1, 2000068.	6.9	52
106	Metal-Free Nanoassemblies of Water-Soluble Photosensitizer and Adenosine Triphosphate for Efficient and Precise Photodynamic Cancer Therapy. <i>ACS Nano</i> , 2021, 15, 4979-4988.	7.3	52
107	Proton Gradients Produced by Glucose Oxidase Microcapsules Containing Motor $F_{01}$ -ATPase for Continuous ATP Biosynthesis. <i>Journal of Physical Chemistry B</i> , 2009, 113, 395-399.	1.2	51
108	Self-Assembly of Monomeric Hydrophobic Photosensitizers with Short Peptides Forming Photodynamic Nanoparticles with Real-Time Tracking Property and without the Need of Release in Vivo. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 28420-28427.	4.0	51

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109	Solvothermally Mediated Self-Assembly of Ultralong Peptide Nanobelts Capable of Optical Waveguiding. <i>Small</i> , 2016, 12, 2575-2579.	5.2	50
110	Self-assembly of biomimetic light-harvesting complexes capable of hydrogen evolution. <i>Green Energy and Environment</i> , 2017, 2, 58-63.	4.7	50
111	Trace Water as Prominent Factor to Induce Peptide Self-Assembly: Dynamic Evolution and Governing Interactions in Ionic Liquids. <i>Small</i> , 2017, 13, 1702175.	5.2	49
112	Multiscale simulations for understanding the evolution and mechanism of hierarchical peptide self-assembly. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23614-23631.	1.3	48
113	Robust Photothermal Nanodrugs Based on Covalent Assembly of Nonpigmented Biomolecules for Antitumor Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 41898-41905.	4.0	48
114	Tailoring supramolecular short peptide nanomaterials for antibacterial applications. <i>Coordination Chemistry Reviews</i> , 2022, 460, 214481.	9.5	48
115	A versatile cyclic dipeptide hydrogelator: Self-assembly and rheology in various physiological conditions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 572, 259-265.	2.3	47
116	Peptide-Based Supramolecular Nanodrugs as a New Generation of Therapeutic Toolboxes against Cancer. <i>Advanced Therapeutics</i> , 2019, 2, 1900048.	1.6	43
117	Supramolecular nanozymes based on peptide self-assembly for biomimetic catalysis. <i>Nano Today</i> , 2021, 41, 101295.	6.2	43
118	Engineering and delivery of nanocolloids of hydrophobic drugs. <i>Advances in Colloid and Interface Science</i> , 2017, 249, 308-320.	7.0	42
119	Porphyrin/Ionic-Liquid Co-assembly Polymorphism Controlled by Liquid-Liquid Phase Separation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17456-17460.	7.2	42
120	Stoichiometry-controlled secondary structure transition of amyloid-derived supramolecular dipeptide co-assemblies. <i>Communications Chemistry</i> , 2019, 2, .	2.0	40
121	Activatable supramolecular photosensitizers: advanced design strategies. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1683-1693.	3.2	40
122	Reactivity Differences Enable ROS for Selective Ablation of Bacteria. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	40
123	Enzyme-immobilized clay nanotube-chitosan membranes with sustainable biocatalytic activities. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 562-567.	1.3	39
124	Spatiotemporally Coupled Photoactivity of Phthalocyanine-Peptide Conjugate Self-Assemblies for Adaptive Tumor Theranostics. <i>Chemistry - A European Journal</i> , 2019, 25, 13429-13435.	1.7	38
125	Self-Assembled Zinc/Cystine-Based Chloroplast Mimics Capable of Photoenzymatic Reactions for Sustainable Fuel Synthesis. <i>Angewandte Chemie</i> , 2017, 129, 7984-7988.	1.6	36
126	Primitive Photosynthetic Architectures Based on Self-Organization and Chemical Evolution of Amino Acids and Metal Ions. <i>Advanced Science</i> , 2018, 5, 1701001.	5.6	35

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127	Minimal metallo-nanozymes constructed through amino acid coordinated self-assembly for hydrolase-like catalysis. <i>Chemical Engineering Journal</i> , 2020, 394, 124987.	6.6	35
128	Formation of PANI tower-shaped hierarchical nanostructures by a limited hydrothermal reaction. <i>Journal of Materials Chemistry</i> , 2009, 19, 3263.	6.7	34
129	A self-assembly study of PNAâ€“porphyrin and PNAâ€“BODIPY hybrids in mixed solvent systems. <i>Nanoscale</i> , 2019, 11, 3557-3566.	2.8	34
130	Molecular and mesoscale mechanism for hierarchical self-assembly of dipeptide and porphyrin light-harvesting system. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16738-16747.	1.3	33
131	Supramolecular Protein Nanodrugs with Coordinationâ€•and Heatingâ€Enhanced Photothermal Effects for Antitumor Therapy. <i>Small</i> , 2019, 15, e1905326.	5.2	33
132	Supramolecular Nanodrugs Constructed by Self-Assembly of Peptide Nucleic Acidâ€“Photosensitizer Conjugates for Photodynamic Therapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 2-9.	2.3	33
133	Tuning Supramolecular Structure and Functions of Peptide <i>bola</i>-Amphiphile by Solvent Evaporationâ€“Dissolution. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 21390-21396.	4.0	32
134	Treatment of different parts of corn stover for high yield and lower polydispersity lignin extraction with high-boiling alkaline solvent. <i>Bioresource Technology</i> , 2018, 249, 737-743.	4.8	32
135	Synthesis of Peptideâ€Based Hybrid Nanobelts with Enhanced Color Emission by Heat Treatment or Water Induction. <i>Chemistry - A European Journal</i> , 2015, 21, 9461-9467.	1.7	30
136	Cyclic dipeptides: Biological activities and selfâ€assembled materials. <i>Peptide Science</i> , 2021, 113, e24202.	1.0	30
137	Amino Acid Coordination Driven Selfâ€Assembly for Enhancing both the Biological Stability and Tumor Accumulation of Curcumin. <i>Angewandte Chemie</i> , 2018, 130, 17330-17334.	1.6	29
138	Silver-incorporating peptide and protein supramolecular nanomaterials for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2021, 9, 4444-4458.	2.9	29
139	Chargeâ€Induced Secondary Structure Transformation of Amyloidâ€Derived Dipeptide Assemblies from Î²â€Sheet to Î±â€Helix. <i>Angewandte Chemie</i> , 2018, 130, 1553-1558.	1.6	28
140	One-step co-assembly method to fabricate photosensitive peptide nanoparticles for two-photon photodynamic therapy. <i>Chemical Communications</i> , 2019, 55, 3191-3194.	2.2	28
141	Acidâ€Activatable Transmorphic Peptideâ€Based Nanomaterials for Photodynamic Therapy. <i>Angewandte Chemie</i> , 2020, 132, 20763-20769.	1.6	28
142	Covalently Assembled Dipeptide Nanoparticles with Adjustable Fluorescence Emission for Multicolor Bioimaging. <i>ChemBioChem</i> , 2019, 20, 555-560.	1.3	27
143	Coordination self-assembly of natural flavonoids into robust nanoparticles for enhanced in vitro chemo and photothermal cancer therapy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 598, 124805.	2.3	27
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