

Xuehai Yan

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.

212
papers

14,915
citations

67
h-index

118
g-index

234
ext. papers

17,470
ext. citations

10.6
avg, IF

7.23
L-index

#	Paper	IF	Citations
212	Self-assembly and application of diphenylalanine-based nanostructures. <i>Chemical Society Reviews</i> , 2010 , 39, 1877-90	58.5	757
211	Controlled Preparation of MnO ₂ Hierarchical Hollow Nanostructures and Their Application in Water Treatment. <i>Advanced Materials</i> , 2008 , 20, 452-456	24	661
210	An Injectable Self-Assembling Collagen-Gold Hybrid Hydrogel for Combinatorial Antitumor Photothermal/Photodynamic Therapy. <i>Advanced Materials</i> , 2016 , 28, 3669-76	24	566
209	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	16.4	562
208	Peptide self-assembly: thermodynamics and kinetics. <i>Chemical Society Reviews</i> , 2016 , 45, 5589-5604	58.5	559
207	Self-Assembled Peptide- and Protein-Based Nanomaterials for Antitumor Photodynamic and Photothermal Therapy. <i>Advanced Materials</i> , 2017 , 29, 1605021	24	474
206	Simple Peptide-Tuned Self-Assembly of Photosensitizers towards Anticancer Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3036-9	16.4	389
205	Transition of cationic dipeptide nanotubes into vesicles and oligonucleotide delivery. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2431-4	16.4	278
204	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	16.4	266
203	Preparation of Graphene Oxide-Based Hydrogels as Efficient Dye Adsorbents for Wastewater Treatment. <i>Nanoscale Research Letters</i> , 2015 , 10, 931	5	259
202	Solvent-induced structural transition of self-assembled dipeptide: from organogels to microcrystals. <i>Chemistry - A European Journal</i> , 2010 , 16, 3176-83	4.8	243
201	Carrier-Free, Chemophotodynamic Dual Nanodrugs via Self-Assembly for Synergistic Antitumor Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 13262-9	9.5	229
200	Peptide-Modulated Self-Assembly of Chromophores toward Biomimetic Light-Harvesting Nanoarchitectonics. <i>Advanced Materials</i> , 2016 , 28, 1031-43	24	221
199	Organogels Based on Self-Assembly of Diphenylalanine Peptide and Their Application To Immobilize Quantum Dots. <i>Chemistry of Materials</i> , 2008 , 20, 1522-1526	9.6	215
198	Recent advances of self-assembling peptide-based hydrogels for biomedical applications. <i>Soft Matter</i> , 2019 , 15, 1704-1715	3.6	185
197	Hierarchically oriented organization in supramolecular peptide crystals. <i>Nature Reviews Chemistry</i> , 2019 , 3, 567-588	34.6	181
196	Self-Assembling Endogenous Biliverdin as a Versatile Near-Infrared Photothermal Nanoagent for Cancer Theranostics. <i>Advanced Materials</i> , 2019 , 31, e1900822	24	172

195	Triggered release of insulin from glucose-sensitive enzyme multilayer shells. <i>Biomaterials</i> , 2009 , 30, 2799-806	171
194	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	24 171
193	Self-assembly of peptide-inorganic hybrid spheres for adaptive encapsulation of guests. <i>Advanced Materials</i> , 2010 , 22, 1283-7	24 169
192	Thermosensitive Nanostructures Comprising Gold Nanoparticles Grafted with Block Copolymers. <i>Advanced Functional Materials</i> , 2007 , 17, 3134-3140	15.6 163
191	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	16.4 153
190	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	8.3 153
189	Self-assembly of hexagonal peptide microtubes and their optical waveguiding. <i>Advanced Materials</i> , 2011 , 23, 2796-801	24 151
188	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	15.6 149
187	Reduced Graphene Oxide-Based Silver Nanoparticle-Containing Composite Hydrogel as Highly Efficient Dye Catalysts for Wastewater Treatment. <i>Scientific Reports</i> , 2015 , 5, 11873	4.9 148
186	Charge-Induced Secondary Structure Transformation of Amyloid-Derived Dipeptide Assemblies from β -Sheet to β -Helix. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1537-1542	16.4 148
185	Multifunctional porous microspheres based on peptide-porphyrin hierarchical co-assembly. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2366-70	16.4 143
184	Self-Assembled Minimalist Multifunctional Theranostic Nanoplatform for Magnetic Resonance Imaging-Guided Tumor Photodynamic Therapy. <i>ACS Nano</i> , 2018 , 12, 8266-8276	16.7 141
183	Supramolecular Photothermal Nanomaterials as an Emerging Paradigm toward Precision Cancer Therapy. <i>Advanced Functional Materials</i> , 2019 , 29, 1806877	15.6 137
182	Reversible transitions between peptide nanotubes and vesicle-like structures including theoretical modeling studies. <i>Chemistry - A European Journal</i> , 2008 , 14, 5974-80	4.8 135
181	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	16.4 133
180	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, 12503-7	16.4 130
179	Trace Solvent as a Predominant Factor To Tune Dipeptide Self-Assembly. <i>ACS Nano</i> , 2016 , 10, 2138-43	16.7 128
178	Preparation of polymer-coated mesoporous silica nanoparticles used for cellular imaging by a graft-from method. <i>Journal of Materials Chemistry</i> , 2008 , 18, 5731	127

177	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	16.4	122
176	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, 5720-9	16.7	122
175	Multitriggered Tumor-Responsive Drug Delivery Vehicles Based on Protein and Polypeptide Coassembly for Enhanced Photodynamic Tumor Ablation. <i>Small</i> , 2016 , 12, 5936-5943	11	121
174	Self-Assembled Injectable Peptide Hydrogels Capable of Triggering Antitumor Immune Response. <i>Biomacromolecules</i> , 2017 , 18, 3514-3523	6.9	115
173	Co-Assembly of Graphene Oxide and Albumin/Photosensitizer Nanohybrids towards Enhanced Photodynamic Therapy. <i>Polymers</i> , 2016 , 8,	4.5	111
172	Supramolecular Photothermal Effects: A Promising Mechanism for Efficient Thermal Conversion. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3793-3801	16.4	110
171	Self-Assembling Peptide-Based Nanoarchitectonics. <i>Bulletin of the Chemical Society of Japan</i> , 2019 , 92, 70-79	5.1	107
170	Uniaxially oriented peptide crystals for active optical waveguiding. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11186-91	16.4	104
169	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	4.9	102
168	Multifunctional Antimicrobial Biometallohydrogels Based on Amino Acid Coordinated Self-Assembly. <i>Small</i> , 2020 , 16, e1907309	11	99
167	Glucose-sensitive microcapsules from glutaraldehyde cross-linked hemoglobin and glucose oxidase. <i>Biomacromolecules</i> , 2009 , 10, 1212-6	6.9	99
166	Highly loaded hemoglobin spheres as promising artificial oxygen carriers. <i>ACS Nano</i> , 2012 , 6, 6897-904	16.7	97
165	Encapsulated photosensitive drugs by biodegradable microcapsules to incapacitate cancer cells. <i>Journal of Materials Chemistry</i> , 2007 , 17, 4018		94
164	Hemoglobin protein hollow shells fabricated through covalent layer-by-layer technique. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 354, 357-62	3.4	91
163	Crystalline Dipeptide Nanobelts Based on Solid-Solid Phase Transformation Self-Assembly and Their Polarization Imaging of Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 2368-2376	9.5	88
162	Photoactive properties of supramolecular assembled short peptides. <i>Chemical Society Reviews</i> , 2019 , 48, 4387-4400	58.5	86
161	One-pot synthesis of polypeptide-gold nanoconjugates for in vitro gene transfection. <i>ACS Nano</i> , 2012 , 6, 111-7	16.7	85
160	Controlled fabrication of polyaniline spherical and cubic shells with hierarchical nanostructures. <i>ACS Nano</i> , 2009 , 3, 3714-8	16.7	84

159	Water-Insoluble Photosensitizer Nanocolloids Stabilized by Supramolecular Interfacial Assembly towards Photodynamic Therapy. <i>Scientific Reports</i> , 2017 , 7, 42978	4.9	81
158	Transition of Cationic Dipeptide Nanotubes into Vesicles and Oligonucleotide Delivery. <i>Angewandte Chemie</i> , 2007 , 119, 2483-2486	3.6	81
157	Synergistic in vivo photodynamic and photothermal antitumor therapy based on collagen-gold hybrid hydrogels with inclusion of photosensitive drugs. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 514, 155-160	5.1	78
156	Colloidal Gold--Collagen Protein Core--Shell Nanoconjugate: One-Step Biomimetic Synthesis, Layer-by-Layer Assembled Film, and Controlled Cell Growth. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24733-40	9.5	78
155	Motor Protein CF0F1 Reconstituted in Lipid-Coated Hemoglobin Microcapsules for ATP Synthesis. <i>Advanced Materials</i> , 2008 , 20, 601-605	24	78
154	Fabrication of Hierarchical Layer-by-Layer Assembled Diamond-based Core-Shell Nanocomposites as Highly Efficient Dye Absorbents for Wastewater Treatment. <i>Scientific Reports</i> , 2017 , 7, 44076	4.9	77
153	Hydrothermal synthesis of hierarchical core-shell manganese oxide nanocomposites as efficient dye adsorbents for wastewater treatment. <i>RSC Advances</i> , 2015 , 5, 56279-56285	3.7	77
152	Nanoengineering of stimuli-responsive protein-based biomimetic protocells as versatile drug delivery tools. <i>Chemistry - A European Journal</i> , 2014 , 20, 6880-7	4.8	74
151	Peptide-induced hierarchical long-range order and photocatalytic activity of porphyrin assemblies. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 500-5	16.4	74
150	Metal-Ion Modulated Structural Transformation of Amyloid-Like Dipeptide Supramolecular Self-Assembly. <i>ACS Nano</i> , 2019 , 13, 7300-7309	16.7	71
149	A peony-flower-like hierarchical mesocrystal formed by diphenylalanine. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6734		70
148	Peptide-Induced Hierarchical Long-Range Order and Photocatalytic Activity of Porphyrin Assemblies. <i>Angewandte Chemie</i> , 2015 , 127, 510-515	3.6	68
147	Adenosine triphosphate biosynthesis catalyzed by FoF1 ATP synthase assembled in polymer microcapsules. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 6996-7000	16.4	67
146	An injectable dipeptide-fullerene supramolecular hydrogel for photodynamic antibacterial therapy. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 7335-7342	7.3	67
145	Templating assembly of multifunctional hybrid colloidal spheres. <i>Advanced Materials</i> , 2012 , 24, 2663-7	24	66
144	Simple Peptide-Tuned Self-Assembly of Photosensitizers towards Anticancer Photodynamic Therapy. <i>Angewandte Chemie</i> , 2016 , 128, 3088-3091	3.6	65
143	Photooxidase-Mimicking Nanovesicles with Superior Photocatalytic Activity and Stability Based on Amphiphilic Amino Acid and Phthalocyanine Co-Assembly. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2000-2004	16.4	64
142	Self-assembly of peptide-based colloids containing lipophilic nanocrystals. <i>Small</i> , 2008 , 4, 1687-93	11	63

141	Self-assembling Collagen/Alginate hybrid hydrogels for combinatorial photothermal and immuno tumor therapy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 577, 570-575	5.1	61
140	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	5.1	61
139	Acid-Activatable Transmorphic Peptide-Based Nanomaterials for Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20582-20588	16.4	59
138	Fabrication of Au@Pt multibranched nanoparticles and their application to in situ SERS monitoring. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 17075-81	9.5	58
137	Preparation and adsorption capacity evaluation of graphene oxide-chitosan composite hydrogels. <i>Science China Materials</i> , 2015 , 58, 811-818	7.1	57
136	Honeycomb self-assembled peptide scaffolds by the breath figure method. <i>Chemistry - A European Journal</i> , 2011 , 17, 4238-45	4.8	57
135	Peptide mesocrystals as templates to create an Au surface with stronger surface-enhanced Raman spectroscopic properties. <i>Chemistry - A European Journal</i> , 2011 , 17, 3370-5	4.8	56
134	Antitumor Photodynamic Therapy Based on Dipeptide Fibrous Hydrogels with Incorporation of Photosensitive Drugs. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 2046-2052	5.5	54
133	Supramolecular Phthalocyanine Assemblies for Improved Photoacoustic Imaging and Photothermal Therapy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8630-8634	16.4	53
132	Co-Assembly of Heparin and Polypeptide Hybrid Nanoparticles for Biomimetic Delivery and Anti-Thrombus Therapy. <i>Small</i> , 2016 , 12, 4719-25	11	52
131	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, 177-93	14.3	49
130	Injectable Self-Assembled Dipeptide-Based Nanocarriers for Tumor Delivery and Effective In Vivo Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30759-30767	9.5	49
129	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	16.4	48
128	Proton gradients produced by glucose oxidase microcapsules containing motor F0F1-ATPase for continuous ATP biosynthesis. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 395-9	3.4	47
127	Self-assembly of biomimetic light-harvesting complexes capable of hydrogen evolution. <i>Green Energy and Environment</i> , 2017 , 2, 58-63	5.7	46
126	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	7.6	46
125	Amino Acid Coordinated Self-Assembly. <i>Chemistry - A European Journal</i> , 2018 , 24, 755-761	4.8	45
124	Multifunctional Porous Microspheres Based on PeptidePorphyrin Hierarchical Co-Assembly. <i>Angewandte Chemie</i> , 2014 , 126, 2398-2402	3.6	45

123	Kinetically Controlled Self-Assembly of Phthalocyanine Peptide Conjugate Nanofibrils Enabling Superlarge Redshifted Absorption. <i>CCS Chemistry</i> , 2019 , 1, 173-180	7.2	43
122	Cross-Linking of Thiolated Paclitaxel-Oligo(p-phenylene vinylene) Conjugates Aggregates inside Tumor Cells Leads to "Chemical Locks" That Increase Drug Efficacy. <i>Advanced Materials</i> , 2018 , 30, 1704888	24	42
121	A cruciform phthalocyanine pentad-based NIR-II photothermal agent for highly efficient tumor ablation. <i>Chemical Science</i> , 2019 , 10, 8246-8252	9.4	41
120	Biomimetic Nanozymes Based on Coassembly of Amino Acid and Hemin for Catalytic Oxidation and Sensing of Biomolecules. <i>Small</i> , 2021 , 17, e2008114	11	40
119	Solvothermally Mediated Self-Assembly of Ultralong Peptide Nanobelts Capable of Optical Waveguiding. <i>Small</i> , 2016 , 12, 2575-9	11	39
118	Peptide-modulated self-assembly as a versatile strategy for tumor supramolecular nanotheranostics. <i>Theranostics</i> , 2019 , 9, 3249-3261	12.1	38
117	Peptide-coordination self-assembly for the precise design of theranostic nanodrugs. <i>Coordination Chemistry Reviews</i> , 2019 , 397, 14-27	23.2	38
116	Multiscale simulations for understanding the evolution and mechanism of hierarchical peptide self-assembly. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 23614-23631	3.6	37
115	Nucleation and Growth of Amino Acid and Peptide Supramolecular Polymers through Liquid-Liquid Phase Separation. <i>Angewandte Chemie</i> , 2019 , 131, 18284-18291	3.6	37
114	Ferric Ion Driven Assembly of Catalase-like Supramolecular Photosensitizing Nanozymes for Combating Hypoxic Tumors. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23228-23238	16.4	37
113	Trace Water as Prominent Factor to Induce Peptide Self-Assembly: Dynamic Evolution and Governing Interactions in Ionic Liquids. <i>Small</i> , 2017 , 13, 1702175	11	36
112	Stable and optoelectronic dipeptide assemblies for power harvesting. <i>Materials Today</i> , 2019 , 30, 10-16	21.8	35
111	Robust Photothermal Nanodrugs Based on Covalent Assembly of Nonpigmented Biomolecules for Antitumor Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 41898-41905	9.5	35
110	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 & Interfaces</i> , 2018 , 10, 28420-28427	9.5	34
109	Supramolecular Nanofibrils Formed by Coassembly of Clinically Approved Drugs for Tumor Photothermal Immunotherapy. <i>Advanced Materials</i> , 2021 , 33, e2100595	24	34
108	Engineering and delivery of nanocolloids of hydrophobic drugs. <i>Advances in Colloid and Interface Science</i> , 2017 , 249, 308-320	14.3	31
107	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	5.1	31
106	Supramolecular Photothermal Effects: A Promising Mechanism for Efficient Thermal Conversion. <i>Angewandte Chemie</i> , 2020 , 132, 3821-3829	3.6	31

105	Self-Assembled Zinc/Cystine-Based Chloroplast Mimics Capable of Photoenzymatic Reactions for Sustainable Fuel Synthesis. <i>Angewandte Chemie</i> , 2017 , 129, 7984-7988	3.6	30
104	Coassembly-Induced Transformation of Dipeptide Amyloid-Like Structures into Stimuli-Responsive Supramolecular Materials. <i>ACS Nano</i> , 2020 , 14, 7181-7190	16.7	29
103	Spatiotemporally Coupled Photoactivity of Phthalocyanine-Peptide Conjugate Self-Assemblies for Adaptive Tumor Theranostics. <i>Chemistry - A European Journal</i> , 2019 , 25, 13429-13435	4.8	29
102	Formation of PANI tower-shaped hierarchical nanostructures by a limited hydrothermal reaction. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3263		29
101	Tumor microenvironment-oriented adaptive nanodrugs based on peptide self-assembly. <i>Chemical Science</i> , 2020 , 11, 8644-8656	9.4	29
100	Molecular and mesoscale mechanism for hierarchical self-assembly of dipeptide and porphyrin light-harvesting system. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 16738-47	3.6	29
99	Enzyme-immobilized clay nanotube-chitosan membranes with sustainable biocatalytic activities. <i>Physical Chemistry Chemical Physics</i> , 2016 , 19, 562-567	3.6	28
98	Peptide-Based Supramolecular Nanodrugs as a New Generation of Therapeutic Toolboxes against Cancer. <i>Advanced Therapeutics</i> , 2019 , 2, 1900048	4.9	28
97	Primitive Photosynthetic Architectures Based on Self-Organization and Chemical Evolution of Amino Acids and Metal Ions. <i>Advanced Science</i> , 2018 , 5, 1701001	13.6	28
96	Self-assembled injectable biomolecular hydrogels towards phototherapy. <i>Nanoscale</i> , 2019 , 11, 22182-22195	7.95	28
95	A self-assembly study of PNA-porphyrin and PNA-BODIPY hybrids in mixed solvent systems. <i>Nanoscale</i> , 2019 , 11, 3557-3566	7.7	27
94	Supramolecular Immunotherapy of Cancer Based on the Self-Assembling Peptide Design. <i>Small Structures</i> , 2020 , 1, 2000068	8.7	25
93	Amino Acid Coordination Driven Self-Assembly for Enhancing both the Biological Stability and Tumor Accumulation of Curcumin. <i>Angewandte Chemie</i> , 2018 , 130, 17330-17334	3.6	25
92	Tuning Supramolecular Structure and Functions of Peptide bola-Amphiphile by Solvent Evaporation-Dissolution. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21390-21396	9.5	24
91	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	11	24
90	Synthesis of Peptide-Based Hybrid Nanobelts with Enhanced Color Emission by Heat Treatment or Water Induction. <i>Chemistry - A European Journal</i> , 2015 , 21, 9461-7	4.8	24
89	Supramolecular Protein Nanodrugs with Coordination- and Heating-Enhanced Photothermal Effects for Antitumor Therapy. <i>Small</i> , 2019 , 15, e1905326	11	23
88	Dipeptide Self-assembled Hydrogels with Shear-Thinning and Instantaneous Self-healing Properties Determined by Peptide Sequences. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 21433-21440	9.5	23

87	Amino-Acid-Mediated Biomimetic Formation of Light-Harvesting Antenna Capable of Hydrogen Evolution.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 748-755	4.1	23
86	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	11.7	23
85	Stoichiometry-controlled secondary structure transition of amyloid-derived supramolecular dipeptide co-assemblies. <i>Communications Chemistry</i> , 2019 , 2,	6.3	22
84	Charge-Induced Secondary Structure Transformation of Amyloid-Derived Dipeptide Assemblies from β Sheet to β Helix. <i>Angewandte Chemie</i> , 2018 , 130, 1553-1558	3.6	22
83	Mimicking Primitive Photobacteria: Sustainable Hydrogen Evolution Based on PeptidePorphyrin Co-Assemblies with a Self-Mineralized Reaction Center. <i>Angewandte Chemie</i> , 2016 , 128, 12691-12695	3.6	22
82	Biomimetic Oxygen-Evolving Photobacteria Based on Amino Acid and Porphyrin Hierarchical Self-Organization. <i>ACS Nano</i> , 2017 , 11, 12840-12848	16.7	21
81	Synthesis and in vitro behavior of multivalent cationic lipopeptide for DNA delivery and release in HeLa cells. <i>Bioconjugate Chemistry</i> , 2007 , 18, 1735-8	6.3	21
80	Regulating Cell Apoptosis on Layer-by-Layer Assembled Multilayers of Photosensitizer-Coupled Polypeptides and Gold Nanoparticles. <i>Scientific Reports</i> , 2016 , 6, 26506	4.9	21
79	Self-assembly and headgroup effect in nanostructured organogels via cationic amphiphile-graphene oxide composites. <i>PLoS ONE</i> , 2014 , 9, e101620	3.7	20
78	One-step co-assembly method to fabricate photosensitive peptide nanoparticles for two-photon photodynamic therapy. <i>Chemical Communications</i> , 2019 , 55, 3191-3194	5.8	19
77	Bio-inspired photosystem for green energy. <i>Green Energy and Environment</i> , 2017 , 2, 66	5.7	18
76	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	16.7	18
75	Coordination-assembled supramolecular nanoplatforms: structural modulation and theranostic applications. <i>Current Opinion in Biotechnology</i> , 2019 , 58, 45-52	11.4	18
74	Minimal metallo-nanozymes constructed through amino acid coordinated self-assembly for hydrolase-like catalysis. <i>Chemical Engineering Journal</i> , 2020 , 394, 124987	14.7	17
73	Regulating morphologies and near-infrared photothermal conversion of perylene bisimide via sequence-dependent peptide self-assembly. <i>Chemical Communications</i> , 2018 , 54, 2208-2211	5.8	17
72	Covalent Assembly of Amphiphilic Bola-Amino Acids into Robust and Biodegradable Nanoparticles for In Vitro Photothermal Therapy. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3526-3532	4.5	17
71	Supramolecular Nanodrugs Constructed by Self-Assembly of Peptide Nucleic Acid-Photosensitizer Conjugates for Photodynamic Therapy.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2-9	4.1	17
70	Supramolecular Phthalocyanine Assemblies for Improved Photoacoustic Imaging and Photothermal Therapy. <i>Angewandte Chemie</i> , 2020 , 132, 8708-8712	3.6	16

69	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	16.7	16
68	Covalently Assembled Dipeptide Nanoparticles with Adjustable Fluorescence Emission for Multicolor Bioimaging. <i>ChemBioChem</i> , 2019 , 20, 555-560	3.8	16
67	Uniaxially Oriented Peptide Crystals for Active Optical Waveguiding. <i>Angewandte Chemie</i> , 2011 , 123, 11382-11387	3.6	15
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