

Kai Liu

List of Publications by Year in descending order

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180
papers

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citations

36203

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189
all docs

189
docs citations

189
times ranked

11274
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliability Evaluation of Two-Phase Degradation Process with a Fuzzy Change-Point. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2022, 27, 867-872.	0.5	5
2	Bioengineered Protein-based Adhesives for Biomedical Applications. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	14
3	Highly Stiff and Stretchable DNA Liquid Crystalline Organogels with Super Plasticity, Ultrafast Self-Healing, and Magnetic Response Behaviors. <i>Advanced Materials</i> , 2022, 34, e2106208.	11.1	19
4	Stimuli-Responsive Natural Proteins and Their Applications. <i>ChemBioChem</i> , 2022, 23, .	1.3	8
5	Diversity of Marine Heatwaves in the South China Sea Regulated by ENSO Phase. <i>Journal of Climate</i> , 2022, 35, 877-893.	1.2	35
6	Combinational application of metal-organic frameworks-based nanozyme and nucleic acid delivery in cancer therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, 14, e1773.	3.3	16
7	Highly Plasticized Lanthanide Luminescence for Information Storage and Encryption Applications. <i>Advanced Science</i> , 2022, 9, e2105108.	5.6	30
8	Biosynthetic Structural Proteins with Super Plasticity, Extraordinary Mechanical Performance, Biodegradability, Biocompatibility and Information Storage Ability. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	5
9	Advances in flexible organic field-effect transistors and their applications for flexible electronics. <i>Npj Flexible Electronics</i> , 2022, 6, .	5.1	194
10	DNA-Based Concatenated Encoding System for High-Reliability and High-Density Data Storage. <i>Small Methods</i> , 2022, 6, e2101335.	4.6	20
11	Mechanochromic Responses of Cholesteric Liquid Crystal Droplets with Nanoscale Periodic Helical Structures Showing Reversible and Tunable Structural Color. <i>ACS Applied Polymer Materials</i> , 2022, 4, 463-468.	2.0	19
12	Biocompatible Inorganic Nanoagent for Efficient Synergistic Tumor Treatment with Augmented Antitumor Immunity. <i>Small</i> , 2022, 18, e2200897.	5.2	23
13	Out-of-Equilibrium Self-Replication Allows Selection for Dynamic Kinetic Stability in a System of Competing Replicators. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	20
14	Out-of-Equilibrium Self-Replication Allows Selection for Dynamic Kinetic Stability in a System of Competing Replicators. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4
15	Engineered protein nanodrug as an emerging therapeutic tool. <i>Nano Research</i> , 2022, 15, 5161-5172.	5.8	19
16	An Engineered Protein-Au Bioplastic for Efficient Skin Tumor Therapy. <i>Advanced Materials</i> , 2022, 34, e2110062.	11.1	42
17	Engineering High Strength and Super-Toughness of Unfolded Structural Proteins and their Extraordinary Anti-Adhesion Performance for Abdominal Hernia Repair. <i>Advanced Materials</i> , 2022, 34, e2200842.	11.1	24
18	Ultralow-Power and Multisensory Artificial Synapse Based on Electrolyte-Gated Vertical Organic Transistors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	38

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19	Self-healing, reusable and conductive cellulose nanocrystals-containing adhesives. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 643, 128797.	2.3	14
20	Intrinsically flexible displays: key materials and devices. <i>National Science Review</i> , 2022, 9, .	4.6	40
21	Engineering DNA-Guided Hydroxyapatite Bulk Materials with High Stiffness and Outstanding Antimicrobial Ability for Dental Inlay Applications. <i>Advanced Materials</i> , 2022, 34, e2202180.	11.1	16
22	Bright and stable gold nanocluster assemblies by silica/zirconia double-shell encapsulation. <i>Journal of Materials Chemistry C</i> , 2022, 10, 10001-10008.	2.7	5
23	High-Efficiency Treatment for Osteoarthritis <i>via</i> Self-Assembled Dual-Functionalized Nanobiologics. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 3320-3328.	2.6	2
24	Reversibly Photo-Modulating Mechanical Stiffness and Toughness of Bioengineered Protein Fibers. <i>Angewandte Chemie</i> , 2021, 133, 3259-3265.	1.6	8
25	Reversibly Photo-Modulating Mechanical Stiffness and Toughness of Bioengineered Protein Fibers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3222-3228.	7.2	25
26	Sonodynamic therapy-derived multimodal synergistic cancer therapy. <i>Cancer Letters</i> , 2021, 497, 229-242.	3.2	98
27	Biomacromolecule-based photo-thermal agents for tumor treatment. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7007-7022.	2.9	15
28	Engineering Cu ₂ S-conjugated upconverting nanocomposites for NIR-II light-induced enhanced chemodynamic/photothermal therapy of cancer. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7216-7228.	2.9	9
29	Nanoparticle-Stabilized Oxygen Microcapsules Prepared by Interfacial Polymerization for Enhanced Oxygen Delivery. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9284-9289.	7.2	37
30	Significantly Improving the Bioefficacy for Rheumatoid Arthritis with Supramolecular Nanoformulations. <i>Advanced Materials</i> , 2021, 33, e2100098.	11.1	44
31	Injectable In Situ Induced Robust Hydrogel for Photothermal Therapy and Bone Fracture Repair. <i>Advanced Functional Materials</i> , 2021, 31, 2010779.	7.8	42
32	Nanoparticle-Stabilized Oxygen Microcapsules Prepared by Interfacial Polymerization for Enhanced Oxygen Delivery. <i>Angewandte Chemie</i> , 2021, 133, 9370-9375.	1.6	0
33	Chemical Fueling Enables Molecular Complexification of Self-Replicators**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11344-11349.	7.2	47
34	Genetically Engineered Polypeptide Adhesive Coacervates for Surgical Applications. <i>Angewandte Chemie</i> , 2021, 133, 23880-23887.	1.6	8
35	An Artificial Phase-Transitional Underwater Bioglue with Robust and Switchable Adhesion Performance. <i>Angewandte Chemie</i> , 2021, 133, 12189-12196.	1.6	14
36	Chemical Fueling Enables Molecular Complexification of Self-Replicators**. <i>Angewandte Chemie</i> , 2021, 133, 11445-11450.	1.6	8

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37	An Artificial Phase-Transitional Underwater Biogel with Robust and Switchable Adhesion Performance. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12082-12089.	7.2	48
38	Genetically Engineered Polypeptide Adhesive Coacervates for Surgical Applications. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23687-23694.	7.2	78
39	Improving Bioavailability of Hydrophobic Prodrugs through Supramolecular Nanocarriers Based on Recombinant Proteins for Osteosarcoma Treatment. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11252-11256.	7.2	37
40	Improving Bioavailability of Hydrophobic Prodrugs through Supramolecular Nanocarriers Based on Recombinant Proteins for Osteosarcoma Treatment. <i>Angewandte Chemie</i> , 2021, 133, 11352-11356.	1.6	5
41	The Spectroscopic Properties and Microscopic Imaging of Thulium-Doped Upconversion Nanoparticles Excited at Different NIR-II Light. <i>Biosensors</i> , 2021, 11, 148.	2.3	3
42	An Engineered Protein Adhesive with Properties of Tissue Integration and Controlled Release for Efficient Cartilage Repair. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100109.	3.9	15
43	Self-Sorting in Dynamic Combinatorial Libraries Leads to the Co-Existence of Foldamers and Self-Replicators. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13569-13573.	7.2	14
44	Self-Sorting in Dynamic Combinatorial Libraries Leads to the Co-Existence of Foldamers and Self-Replicators. <i>Angewandte Chemie</i> , 2021, 133, 13681-13685.	1.6	9
45	A New Type of Biological Glue Derived from Fish Swim Bladder: Outstanding Adhesion and Surgical Applications. <i>Advanced Materials Technologies</i> , 2021, 6, 2100303.	3.0	6
46	Ultra-strong bio-glue from genetically engineered polypeptides. <i>Nature Communications</i> , 2021, 12, 3613.	5.8	104
47	Proteinaceous Fibers with Outstanding Mechanical Properties Manipulated by Supramolecular Interactions. <i>CCS Chemistry</i> , 2021, 3, 1669-1677.	4.6	39
48	Attractive Pickering Emulsion Gels. <i>Advanced Materials</i> , 2021, 33, e2102362.	11.1	78
49	Dual-Mode Learning of Ambipolar Synaptic Phototransistor Based on 2D Perovskite/Organic Heterojunction for Flexible Color Recognizable Visual System. <i>Small</i> , 2021, 17, e2102820.	5.2	66
50	Azobenzene-Based Photomechanical Biomaterials. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2100020.	1.7	12
51	Extracellular Elastin Molecule Modulates Alzheimer's $A\beta$ Dynamics <i>In Vitro</i> and <i>In Vivo</i> by Affecting Microglial Activities. <i>CCS Chemistry</i> , 2021, 3, 1830-1837.	4.6	28
52	Embellishment of Upconversion Nanoparticles with Ultrasmall Perovskite Quantum Dots for Full-Color Tunable, Dual-Modal Luminescence Anticounterfeiting. <i>Advanced Optical Materials</i> , 2021, 9, 2100814.	3.6	31
53	A $T_{2\rho}$ MRI Dy-based contrast agent for direct pH imaging using a ratiometric approach. <i>Dalton Transactions</i> , 2021, 50, 2014-2017.	1.6	1
54	Engineering non-covalently assembled protein nanoparticles for long-acting gouty arthritis therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9923-9931.	2.9	8

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55	Nanoparticle-Assisted Alignment of Carbon Nanotubes on DNA Origami. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4892-4896.	7.2	33
56	Mechanically Strong Globular-Protein-Based Fibers Obtained Using a Microfluidic Spinning Technique. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4344-4348.	7.2	56
57	Preparation of high 1,2-orientation butadiene-styrene copolymer by coordination copolymerization with molybdenum-based catalytic system. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48897.	1.3	0
58	Fabrication and Mechanical Properties of Engineered Protein-Based Adhesives and Fibers. <i>Advanced Materials</i> , 2020, 32, e1906360.	11.1	97
59	Process intensification for rare-earth doped luminescent nanomaterials. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 2497.	1.7	1
60	De novo rational design of a freestanding, supercharged polypeptide, proton-conducting membrane. <i>Science Advances</i> , 2020, 6, eabc0810.	4.7	24
61	Emergence of low-symmetry foldamers from single monomers. <i>Nature Chemistry</i> , 2020, 12, 1180-1186.	6.6	47
62	Anisotropic Protein Organofibers Encoded With Extraordinary Mechanical Behavior for Cellular Mechanobiology Applications. <i>Angewandte Chemie</i> , 2020, 132, 21665-21671.	1.6	8
63	Anisotropic Protein Organofibers Encoded With Extraordinary Mechanical Behavior for Cellular Mechanobiology Applications. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21481-21487.	7.2	39
64	Injectable and NIR-Responsive DNA-Inorganic Hybrid Hydrogels with Outstanding Photothermal Therapy. <i>Advanced Materials</i> , 2020, 32, e2004460.	11.1	114
65	Frontispiece: Extracellular Matrix Proteins Involved in Alzheimer's Disease. <i>Chemistry - A European Journal</i> , 2020, 26, .	1.7	2
66	Active Encapsulation in Biocompatible Nanocapsules. <i>Small</i> , 2020, 16, e2002716.	5.2	42
67	Stable ion bond for high damping, high wet resistance, and low rolling resistance high vinyl polybutadiene rubber-based dicarboxylate ionomer. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49374.	1.3	5
68	Misspecification analysis of two-phase gamma-Wiener degradation models. <i>Quality and Reliability Engineering International</i> , 2020, 36, 2066-2084.	1.4	6
69	Bioinspired and Mechanically Strong Fibers Based on Engineered Non-Spider Chimeric Proteins. <i>Angewandte Chemie</i> , 2020, 132, 8225-8229.	1.6	18
70	Engineered Near-Infrared Fluorescent Protein Assemblies for Robust Bioimaging and Therapeutic Applications. <i>Advanced Materials</i> , 2020, 32, e2000964.	11.1	58
71	Extracellular Matrix Proteins Involved in Alzheimer's Disease. <i>Chemistry - A European Journal</i> , 2020, 26, 12101-12110.	1.7	35
72	Bioinspired and Mechanically Strong Fibers Based on Engineered Non-Spider Chimeric Proteins. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8148-8152.	7.2	51

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73	Lanthanide-Based Photothermal Materials: Fabrication and Biomedical Applications. ACS Applied Bio Materials, 2020, 3, 3975-3986.	2.3	33
74	Engineered Anisotropic Fluids of Rare-Earth Nanomaterials. Angewandte Chemie, 2020, 132, 18370-18374.	1.6	5
75	Emergence of light-driven protometabolism on recruitment of a photocatalytic cofactor by a self-replicator. Nature Chemistry, 2020, 12, 603-607.	6.6	55
76	Engineered Anisotropic Fluids of Rare-Earth Nanomaterials. Angewandte Chemie - International Edition, 2020, 59, 18213-18217.	7.2	20
77	Biocompatible and pH-Responsive Colloidal Surfactants with Tunable Shape for Controlled Interfacial Curvature. Angewandte Chemie - International Edition, 2020, 59, 9365-9369.	7.2	41
78	Biocompatible and pH-Responsive Colloidal Surfactants with Tunable Shape for Controlled Interfacial Curvature. Angewandte Chemie, 2020, 132, 9451-9455.	1.6	5
79	Mechanically Strong Globular-Protein-Based Fibers Obtained Using a Microfluidic Spinning Technique. Angewandte Chemie, 2020, 132, 4374-4378.	1.6	11
80	Supercharged Proteins and Polypeptides. Advanced Materials, 2020, 32, e1905309.	11.1	58
81	Nanoparticle-Assisted Alignment of Carbon Nanotubes on DNA Origami. Angewandte Chemie, 2020, 132, 4922-4926.	1.6	7
82	Solvent-Free Plasticity and Programmable Mechanical Behaviors of Engineered Proteins. Advanced Materials, 2020, 32, e1907697.	11.1	23
83	Robust Biological Fibers Based on Widely Available Proteins: Facile Fabrication and Suturing Application. Small, 2020, 16, e1907598.	5.2	33
84	Combating the Coronavirus Pandemic: Early Detection, Medical Treatment, and a Concerted Effort by the Global Community. Research, 2020, 2020, 6925296.	2.8	26
85	Recent progress in stretchable organic field-effect transistors. Science China Technological Sciences, 2019, 62, 1255-1276.	2.0	18
86	Significant Upregulation of Alzheimer's β -Amyloid Levels in a Living System Induced by Extracellular Elastin Polypeptides. Angewandte Chemie - International Edition, 2019, 58, 18703-18709.	7.2	36
87	Detection and Chiral Recognition of β -Hydroxyl Acid through ^1H and CEST NMR Spectroscopy Using a Ytterbium Macrocyclic Complex. Angewandte Chemie, 2019, 131, 18454-18457.	1.6	8
88	Detection and Chiral Recognition of β -Hydroxyl Acid through ^1H and CEST NMR Spectroscopy Using a Ytterbium Macrocyclic Complex. Angewandte Chemie - International Edition, 2019, 58, 18286-18289.	7.2	23
89	Uncertainties in contact angle goniometry. Soft Matter, 2019, 15, 7089-7096.	1.2	69
90	Transparent Impact-Resistant Composite Films with Bioinspired Hierarchical Structure. ACS Applied Materials & Interfaces, 2019, 11, 23616-23622.	4.0	39

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91	Preparation of Butadiene-Isoprene Copolymer with High Vinyl Contents by Al(OPhCH ₃)(i-Bu) ₂ /MoO ₂ Cl ₂ · TM TNPP. <i>Polymers</i> , 2019, 11, 527.	2.0	1
92	Modifying Surfaces with the Primary and Secondary Faces of Cyclodextrins To Achieve a Distinct Anti-icing Capability. <i>Langmuir</i> , 2019, 35, 5176-5182.	1.6	3
93	Improving surface-wetting characterization. <i>Science</i> , 2019, 363, 1147-1148.	6.0	76
94	Photooxidase-Mimicking Nanovesicles with Superior Photocatalytic Activity and Stability Based on Amphiphilic Amino Acid and Phthalocyanine Co-Assembly. <i>Angewandte Chemie</i> , 2019, 131, 2022-2026.	1.6	13
95	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.	7.2	86
96	Chemical Formation and Multiple Applications of Organic-Inorganic Hybrid Perovskite Materials. <i>Journal of the American Chemical Society</i> , 2019, 141, 1406-1414.	6.6	61
97	Genetically Engineered Supercharged Polypeptide Fluids: Fast and Persistent Self-Ordering Induced by Touch. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6878-6882.	7.2	38
98	Bioinspired Materials for Controlling Ice Nucleation, Growth, and Recrystallization. <i>Accounts of Chemical Research</i> , 2018, 51, 1082-1091.	7.6	159
99	Fabrication of Anti-Icing Surfaces by Short ±-Helical Peptides. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1957-1962.	4.0	36
100	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
101	Thermal Decomposition of CdS Nanowires Assisted by ZIF-67 to Induce the Formation of Co ₉ S ₈ -Based Carbon Nanomaterials with High Lithium-Storage Abilities. <i>ACS Applied Energy Materials</i> , 2018, 1, 6242-6249.	2.5	8
102	Genetically Engineered Supercharged Polypeptide Fluids: Fast and Persistent Self-Ordering Induced by Touch. <i>Angewandte Chemie</i> , 2018, 130, 6994-6998.	1.6	8
103	Carbon-Tailored Semimetal MoP as an Efficient Hydrogen Evolution Electrocatalyst in Both Alkaline and Acid Media. <i>Advanced Energy Materials</i> , 2018, 8, 1801258.	10.2	111
104	Peptide-Directed Hierarchical Mineralized Silver Nanocages for Anti-Tumor Photothermal Therapy. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7574-7588.	3.2	64
105	Recent advances in gadolinium-based MRI metal responsive agent. <i>Science China Technological Sciences</i> , 2018, 61, 1329-1333.	2.0	10
106	Amino-Acid-Mediated Biomimetic Formation of Light-Harvesting Antenna Capable of Hydrogen Evolution. <i>ACS Applied Bio Materials</i> , 2018, 1, 748-755.	2.3	26
107	Self-Assembled Minimalist Multifunctional Theranostic Nanoplatfrom for Magnetic Resonance Imaging-Guided Tumor Photodynamic Therapy. <i>ACS Nano</i> , 2018, 12, 8266-8276.	7.3	191
108	Tunable Aggregation-Induced Emission of Tetraphenylethylene via Short Peptide-Directed Self-Assembly. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600183.	1.9	18

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109	Self-assembly of biomimetic light-harvesting complexes capable of hydrogen evolution. <i>Green Energy and Environment</i> , 2017, 2, 58-63.	4.7	50
110	Durable Anti-Icing Coatings Based on Self-Sustainable Lubricating Layer. <i>ACS Omega</i> , 2017, 2, 2047-2054.	1.6	40
111	Liquefaction of Biopolymers: Solvent-free Liquids and Liquid Crystals from Nucleic Acids and Proteins. <i>Accounts of Chemical Research</i> , 2017, 50, 1212-1221.	7.6	31
112	Enzyme-immobilized clay nanotube-chitosan membranes with sustainable biocatalytic activities. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 562-567.	1.3	39
113	Oxidized Quasi-Carbon Nitride Quantum Dots Inhibit Ice Growth. <i>Advanced Materials</i> , 2017, 29, 1606843.	11.1	121
114	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
115	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
116	Directed Self-Assembly: Tunable Aggregation-Induced Emission of Tetraphenylethylene via Short Peptide-Directed Self-Assembly (<i>Adv. Mater. Interfaces</i> 1/2017). <i>Advanced Materials Interfaces</i> , 2017, 4, .	1.9	0
117	Distinct ice patterns on solid surfaces with various wettabilities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11285-11290.	3.3	132
118	Peptide-Based Supramolecular Chemistry. , 2017, , 135-163.		0
119	Size Controllable, Transparent, and Flexible 2D Silver Meshes Using Recrystallized Ice Crystals as Templates. <i>ACS Nano</i> , 2017, 11, 9898-9905.	7.3	38
120	Size Fractionation of Graphene Oxide Nanosheets via Controlled Directional Freezing. <i>Journal of the American Chemical Society</i> , 2017, 139, 12517-12523.	6.6	52
121	Nematic DNA Thermotropic Liquid Crystals with Photoresponsive Mechanical Properties. <i>Small</i> , 2017, 13, 1701207.	5.2	32
122	Biomimetic Oxygen-Evolving Photobacteria Based on Amino Acid and Porphyrin Hierarchical Self-Organization. <i>ACS Nano</i> , 2017, 11, 12840-12848.	7.3	26
123	Reliability assessment of NAND SSD based on acceleration degradation test. , 2017, , .		3
124	Prior Distribution Selection Criterion in Accelerated Degradation Testing Bayesian Optimization Design Based on Bayes Factors. , 2017, , .		3
125	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
126	Simple Peptide-Tuned Self-Assembly of Photosensitizers towards Anticancer Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3036-3039.	7.2	453

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127	Peptide-Modulated Self-Assembly of Chromophores toward Biomimetic Light-Harvesting Nanoarchitectonics. <i>Advanced Materials</i> , 2016, 28, 1031-1043.	11.1	253
128	Castor oil-based waterborne polyurethanes with tunable properties and excellent biocompatibility. <i>European Journal of Lipid Science and Technology</i> , 2016, 118, 1512-1520.	1.0	39
129	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
130	Research on reliability assessment of space electronic products based on integration of highly accelerated life test and accelerated degradation test. , 2016, , .		1
131	Janus effect of antifreeze proteins on ice nucleation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14739-14744.	3.3	205
132	An Amylase-Responsive Bolaform Supra-Amphiphile. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4927-4933.	4.0	36
133	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
134	Mimicking Primitive Photobacteria: Sustainable Hydrogen Evolution Based on Peptide-Porphyrin Co-Assemblies with a Self-Mineralized Reaction Center. <i>Angewandte Chemie</i> , 2016, 128, 12691-12695.	1.6	23
135	Dipeptide concave nanospheres based on interfacially controlled self-assembly: from crescent to solid. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 30926-30930.	1.3	15
136	Peptide self-assembly: thermodynamics and kinetics. <i>Chemical Society Reviews</i> , 2016, 45, 5589-5604.	18.7	760
137	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
138	UV-curable enzymatic antibacterial waterborne polyurethane coating. <i>Biochemical Engineering Journal</i> , 2016, 113, 107-113.	1.8	39
139	Solvothermally Mediated Self-Assembly of Ultralong Peptide Nanobelts Capable of Optical Waveguiding. <i>Small</i> , 2016, 12, 2575-2579.	5.2	50
140	Simple Peptide-Tuned Self-Assembly of Photosensitizers towards Anticancer Photodynamic Therapy. <i>Angewandte Chemie</i> , 2016, 128, 3088-3091.	1.6	85
141	Trace Solvent as a Predominant Factor To Tune Dipeptide Self-Assembly. <i>ACS Nano</i> , 2016, 10, 2138-2143.	7.3	156
142	Enzymatic waterborne polyurethane towards a robust and environmentally friendly anti-biofouling coating. <i>RSC Advances</i> , 2016, 6, 31698-31704.	1.7	7
143	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
144	Supramolecular free radicals: near-infrared organic materials with enhanced photothermal conversion. <i>Chemical Science</i> , 2015, 6, 3975-3980.	3.7	174

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145	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
146	Preparation and characterization of epoxidized soybean oil-based paper composite as potential water-resistant materials. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	15
147	Porphyrin-containing hyperbranched supramolecular polymers: enhancing 1° - 2° -generation efficiency by supramolecular polymerization. <i>Polymer Chemistry</i> , 2014, 5, 53-56.	1.9	70
148	25th Anniversary Article: Reversible and Adaptive Functional Supramolecular Materials: "Noncovalent Interaction" Matters. <i>Advanced Materials</i> , 2013, 25, 5530-5548.	11.1	275
149	Controlling the self-assembly of cationic bolaamphiphiles: counterion-directed transitions from 0D/1D to exclusively 2D planar structures. <i>Chemical Science</i> , 2013, 4, 4486.	3.7	37
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