

Kai Liu

List of Publications by Year in descending order

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180
papers

10,502
citations

36303

51
h-index

37204

96
g-index

189
all docs

189
docs citations

189
times ranked

11274
citing authors

#	ARTICLE	IF	CITATIONS
1	Peptide self-assembly: thermodynamics and kinetics. <i>Chemical Society Reviews</i> , 2016, 45, 5589-5604.	38.1	760
2	An Injectable Self-Assembling Collagen-Gold Hybrid Hydrogel for Combinatorial Antitumor Photothermal/Photodynamic Therapy. <i>Advanced Materials</i> , 2016, 28, 3669-3676.	21.0	700
3	Simple Peptide-Tuned Self-Assembly of Photosensitizers towards Anticancer Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3036-3039.	13.8	453
4	Supramolecular Photosensitizers with Enhanced Antibacterial Efficiency. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8285-8289.	13.8	294
5	25th Anniversary Article: Reversible and Adaptive Functional Supramolecular Materials: π -Noncovalent Interaction-Matters. <i>Advanced Materials</i> , 2013, 25, 5530-5548.	21.0	275
6	Peptide-Modulated Self-Assembly of Chromophores toward Biomimetic Light-Harvesting Nanoarchitectonics. <i>Advanced Materials</i> , 2016, 28, 1031-1043.	21.0	253
7	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.	7.1	205
8	White-light emission from a single-emitting-component $\text{Ca}_9\text{Gd}(\text{PO}_4)_7:\text{Eu}^{2+}, \text{Mn}^{2+}$ phosphor with tunable luminescent properties for near-UV light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2010, 20, 9061.	6.7	204
9	Advances in flexible organic field-effect transistors and their applications for flexible electronics. <i>Npj Flexible Electronics</i> , 2022, 6, .	10.7	194
10	Self-Assembled Minimalist Multifunctional Theranostic Nanoplatfrom for Magnetic Resonance Imaging-Guided Tumor Photodynamic Therapy. <i>ACS Nano</i> , 2018, 12, 8266-8276.	14.6	191
11	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.	13.8	176
12	Supramolecular free radicals: near-infrared organic materials with enhanced photothermal conversion. <i>Chemical Science</i> , 2015, 6, 3975-3980.	7.4	174
13	Peptide-Induced Hierarchical Long-Range Order and Photocatalytic Activity of Porphyrin Assemblies. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 500-505.	13.8	164
14	Bioinspired Materials for Controlling Ice Nucleation, Growth, and Recrystallization. <i>Accounts of Chemical Research</i> , 2018, 51, 1082-1091.	15.6	159
15	Hierarchically Nanostructured Coordination Polymer: Facile and Rapid Fabrication and Tunable Morphologies. <i>Crystal Growth and Design</i> , 2010, 10, 790-797.	3.0	158
16	Trace Solvent as a Predominant Factor To Tune Dipeptide Self-Assembly. <i>ACS Nano</i> , 2016, 10, 2138-2143.	14.6	156
17	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.	13.8	145
18	Optical Properties and Energy Transfer of $\text{NaCaPO}_4:\text{Ce}^{3+}, \text{Tb}^{3+}$ Phosphors for Potential Application in Light-Emitting Diodes. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4636-4642.	2.0	143

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19	Facile and rapid fabrication of metal-organic framework nanobelts and color-tunable photoluminescence properties. <i>Journal of Materials Chemistry</i> , 2010, 20, 3272.	6.7	142
20	Superamphiphiles Based on Directional Charge-Transfer Interactions: From Supramolecular Engineering to Well-Defined Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4952-4956.	13.8	138
21	Highly Uniform Gd(OH) ₃ and Gd ₂ O ₃ :Eu ³⁺ Nanotubes: Facile Synthesis and Luminescence Properties. <i>Journal of Physical Chemistry C</i> , 2009, 113, 6050-6055.	3.1	134
22	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.	7.1	132
23	Oxidized Quasi-Carbon Nitride Quantum Dots Inhibit Ice Growth. <i>Advanced Materials</i> , 2017, 29, 1606843.	21.0	121
24	Injectable and NIR-Responsive DNA-Inorganic Hybrid Hydrogels with Outstanding Photothermal Therapy. <i>Advanced Materials</i> , 2020, 32, e2004460.	21.0	114
25	Room-Temperature Synthesis of Multi-Morphological Coordination Polymer and Tunable White-Light Emission. <i>Crystal Growth and Design</i> , 2010, 10, 16-19.	3.0	111
26	Carbon-Tailored Semimetal MoP as an Efficient Hydrogen Evolution Electrocatalyst in Both Alkaline and Acid Media. <i>Advanced Energy Materials</i> , 2018, 8, 1801258.	19.5	111
27	Ultra-strong bio-glue from genetically engineered polypeptides. <i>Nature Communications</i> , 2021, 12, 3613.	12.8	104
28	Sonodynamic therapy-derived multimodal synergistic cancer therapy. <i>Cancer Letters</i> , 2021, 497, 229-242.	7.2	98
29	Fabrication and Mechanical Properties of Engineered Protein-Based Adhesives and Fibers. <i>Advanced Materials</i> , 2020, 32, e1906360.	21.0	97
30	Coordination-Induced Formation of One-Dimensional Nanostructures of Europium Benzene-1,3,5-tricarboxylate and Its Solid-State Thermal Transformation. <i>Crystal Growth and Design</i> , 2009, 9, 3519-3524.	3.0	89
31	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.	13.8	86
32	Simple Peptide-Tuned Self-Assembly of Photosensitizers towards Anticancer Photodynamic Therapy. <i>Angewandte Chemie</i> , 2016, 128, 3088-3091.	2.0	85
33	Facile shape-controlled synthesis of luminescent europium benzene-1,3,5-tricarboxylate architectures at room temperature. <i>CrystEngComm</i> , 2009, 11, 2622.	2.6	80
34	A supramolecular approach to fabricate highly emissive smart materials. <i>Scientific Reports</i> , 2013, 3, 2372.	3.3	80
35	Genetically Engineered Polypeptide Adhesive Coacervates for Surgical Applications. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23687-23694.	13.8	78
36	Attractive Pickering Emulsion Gels. <i>Advanced Materials</i> , 2021, 33, e2102362.	21.0	78

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37	Improving surface-wetting characterization. <i>Science</i> , 2019, 363, 1147-1148.	12.6	76
38	Porphyrin-containing hyperbranched supramolecular polymers: enhancing 1° - 2° -generation efficiency by supramolecular polymerization. <i>Polymer Chemistry</i> , 2014, 5, 53-56.	3.9	70
39	Uncertainties in contact angle goniometry. <i>Soft Matter</i> , 2019, 15, 7089-7096.	2.7	69
40	Self-Assembly of Supra-amphiphiles Based on Dual Charge-Transfer Interactions: From Nanosheets to Nanofibers. <i>Langmuir</i> , 2012, 28, 10697-10702.	3.5	68
41	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.	10.0	66
42	Co-Assembly of Heparin and Polypeptide Hybrid Nanoparticles for Biomimetic Delivery and Anti-Thrombus Therapy. <i>Small</i> , 2016, 12, 4719-4725.	10.0	64
43	Peptide-Directed Hierarchical Mineralized Silver Nanocages for Anti-Tumor Photothermal Therapy. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7574-7588.	6.7	64
44	Facile selective synthesis and luminescence behavior of hierarchical NaY(WO ₄) ₂ :Eu ³⁺ and Y ₆ WO ₁₂ :Eu ³⁺ . <i>CrystEngComm</i> , 2011, 13, 3001.	2.6	62
45	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.	14.7	62
46	Chemical Formation and Multiple Applications of Organic-Inorganic Hybrid Perovskite Materials. <i>Journal of the American Chemical Society</i> , 2019, 141, 1406-1414.	13.7	61
47	Engineered Near-Infrared Fluorescent Protein Assemblies for Robust Bioimaging and Therapeutic Applications. <i>Advanced Materials</i> , 2020, 32, e2000964.	21.0	58
48	Supercharged Proteins and Polypeptides. <i>Advanced Materials</i> , 2020, 32, e1905309.	21.0	58
49	From Bola-amphiphiles to Supra-amphiphiles: The Transformation from Two-Dimensional Nanosheets into One-Dimensional Nanofibers with Tunable Packing Fashion of π -Type Chromophores. <i>Chemistry - A European Journal</i> , 2012, 18, 8622-8628.	3.3	57
50	Mechanically Strong Globular Protein-Based Fibers Obtained Using a Microfluidic Spinning Technique. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4344-4348.	13.8	56
51	Emergence of light-driven protometabolism on recruitment of a photocatalytic cofactor by a self-replicator. <i>Nature Chemistry</i> , 2020, 12, 603-607.	13.6	55
52	Size Fractionation of Graphene Oxide Nanosheets via Controlled Directional Freezing. <i>Journal of the American Chemical Society</i> , 2017, 139, 12517-12523.	13.7	52
53	Bioinspired and Mechanically Strong Fibers Based on Engineered Non-Spider Chimeric Proteins. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8148-8152.	13.8	51
54	Solvothermally Mediated Self-Assembly of Ultralong Peptide Nanobelts Capable of Optical Waveguiding. <i>Small</i> , 2016, 12, 2575-2579.	10.0	50

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55	Self-assembly of biomimetic light-harvesting complexes capable of hydrogen evolution. <i>Green Energy and Environment</i> , 2017, 2, 58-63.	8.7	50
56	An Artificial Phase-Transitional Underwater Bioglue with Robust and Switchable Adhesion Performance. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12082-12089.	13.8	48
57	Emergence of low-symmetry foldamers from single monomers. <i>Nature Chemistry</i> , 2020, 12, 1180-1186.	13.6	47
58	Chemical Fueling Enables Molecular Complexification of Self-Replicators**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11344-11349.	13.8	47
59	Facile Synthesis and Luminescence Properties of Highly Uniform MF/YVO ₄ :Ln ³⁺ (Ln = Eu, Dy, and Sm) Composite Microspheres. <i>Crystal Growth and Design</i> , 2009, 9, 3702-3706.	3.0	44
60	Significantly Improving the Bioefficacy for Rheumatoid Arthritis with Supramolecular Nanoformulations. <i>Advanced Materials</i> , 2021, 33, e2100098.	21.0	44
61	Active Encapsulation in Biocompatible Nanocapsules. <i>Small</i> , 2020, 16, e2002716.	10.0	42
62	Injectable In Situ Induced Robust Hydrogel for Photothermal Therapy and Bone Fracture Repair. <i>Advanced Functional Materials</i> , 2021, 31, 2010779.	14.9	42
63	An Engineered Protein [~] Au Bioplastic for Efficient Skin Tumor Therapy. <i>Advanced Materials</i> , 2022, 34, e2110062.	21.0	42
64	Biocompatible and pH-Responsive Colloidal Surfactants with Tunable Shape for Controlled Interfacial Curvature. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9365-9369.	13.8	41
65	pH and enzymatic double-stimuli responsive multi-compartment micelles from supra-amphiphilic polymers. <i>Polymer Chemistry</i> , 2012, 3, 3056.	3.9	40
66	Durable Anti-Icing Coatings Based on Self-Sustainable Lubricating Layer. <i>ACS Omega</i> , 2017, 2, 2047-2054.	3.5	40
67	Intrinsically flexible displays: key materials and devices. <i>National Science Review</i> , 2022, 9, .	9.5	40
68	Castor oil-based waterborne polyurethanes with tunable properties and excellent biocompatibility. <i>European Journal of Lipid Science and Technology</i> , 2016, 118, 1512-1520.	1.5	39
69	UV-curable enzymatic antibacterial waterborne polyurethane coating. <i>Biochemical Engineering Journal</i> , 2016, 113, 107-113.	3.6	39
70	Enzyme-immobilized clay nanotube-chitosan membranes with sustainable biocatalytic activities. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 562-567.	2.8	39
71	Transparent Impact-Resistant Composite Films with Bioinspired Hierarchical Structure. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23616-23622.	8.0	39
72	Anisotropic Protein Organofibers Encoded With Extraordinary Mechanical Behavior for Cellular Mechanobiology Applications. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21481-21487.	13.8	39

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73	Proteinaceous Fibers with Outstanding Mechanical Properties Manipulated by Supramolecular Interactions. <i>CCS Chemistry</i> , 2021, 3, 1669-1677.	7.8	39
74	Size Controllable, Transparent, and Flexible 2D Silver Meshes Using Recrystallized Ice Crystals as Templates. <i>ACS Nano</i> , 2017, 11, 9898-9905.	14.6	38
75	Genetically Engineered Supercharged Polypeptide Fluids: Fast and Persistent Self-Ordering Induced by Touch. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6878-6882.	13.8	38
76	Ultralow-Power and Multisensory Artificial Synapse Based on Electrolyte-Gated Vertical Organic Transistors. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	38
77	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.	7.4	37
78	Nanoparticle-Stabilized Oxygen Microcapsules Prepared by Interfacial Polymerization for Enhanced Oxygen Delivery. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9284-9289.	13.8	37
79	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.	13.8	37
80	An Amylase-Responsive Bolaform Supra-Amphiphile. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4927-4933.	8.0	36
81	Self-Assembled Zinc/Cysteine-Based Chloroplast Mimics Capable of Photoenzymatic Reactions for Sustainable Fuel Synthesis. <i>Angewandte Chemie</i> , 2017, 129, 7984-7988.	2.0	36
82	Fabrication of Anti-Icing Surfaces by Short α -Helical Peptides. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1957-1962.	8.0	36
83	Significant Upregulation of Alzheimer's β -Amyloid Levels in a Living System Induced by Extracellular Elastin Polypeptides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18703-18709.	13.8	36
84	Primitive Photosynthetic Architectures Based on Self-Organization and Chemical Evolution of Amino Acids and Metal Ions. <i>Advanced Science</i> , 2018, 5, 1701001.	11.2	35
85	Extracellular Matrix Proteins Involved in Alzheimer's Disease. <i>Chemistry - A European Journal</i> , 2020, 26, 12101-12110.	3.3	35
86	Diversity of Marine Heatwaves in the South China Sea Regulated by ENSO Phase. <i>Journal of Climate</i> , 2022, 35, 877-893.	3.2	35
87	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.	2.8	33
88	Nanoparticle-Assisted Alignment of Carbon Nanotubes on DNA Origami. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4892-4896.	13.8	33
89	Lanthanide-Based Photothermal Materials: Fabrication and Biomedical Applications. <i>ACS Applied Bio Materials</i> , 2020, 3, 3975-3986.	4.6	33
90	Robust Biological Fibers Based on Widely Available Proteins: Facile Fabrication and Suturing Application. <i>Small</i> , 2020, 16, e1907598.	10.0	33

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91	Nematic DNA Thermotropic Liquid Crystals with Photoresponsive Mechanical Properties. <i>Small</i> , 2017, 13, 1701207.	10.0	32
92	Facile synthesis and catalytic properties of CeO ₂ with tunable morphologies from thermal transformation of cerium benzendicarboxylate complexes. <i>CrystEngComm</i> , 2011, 13, 1786.	2.6	31
93	Liquefaction of Biopolymers: Solvent-free Liquids and Liquid Crystals from Nucleic Acids and Proteins. <i>Accounts of Chemical Research</i> , 2017, 50, 1212-1221.	15.6	31
94	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.	7.3	31
95	Highly Plasticized Lanthanide Luminescence for Information Storage and Encryption Applications. <i>Advanced Science</i> , 2022, 9, e2105108.	11.2	30
96	Facile synthesis of highly uniform octahedral LuVO ₄ microcrystals by a facile chemical conversion method. <i>CrystEngComm</i> , 2009, 11, 2745.	2.6	29
97	Synthesis and characterization of highly uniform Lu ₂ O ₃ :Ln ³⁺ (Ln = Eu, Er, Yb) luminescent hollow microspheres. <i>CrystEngComm</i> , 2010, 12, 2943.	2.6	28
98	Extracellular Elastin Molecule Modulates Alzheimer's A β Dynamics <i>In Vitro</i> and <i>In Vivo</i> by Affecting Microglial Activities. <i>CCS Chemistry</i> , 2021, 3, 1830-1837.	7.8	28
99	Biomimetic Oxygen-Evolving Photobacteria Based on Amino Acid and Porphyrin Hierarchical Self-Organization. <i>ACS Nano</i> , 2017, 11, 12840-12848.	14.6	26
100	Amino-Acid-Mediated Biomimetic Formation of Light-Harvesting Antenna Capable of Hydrogen Evolution. <i>ACS Applied Bio Materials</i> , 2018, 1, 748-755.	4.6	26
101	Combating the Coronavirus Pandemic: Early Detection, Medical Treatment, and a Concerted Effort by the Global Community. <i>Research</i> , 2020, 2020, 6925296.	5.7	26
102	Reversibly Photo-Modulating Mechanical Stiffness and Toughness of Bioengineered Protein Fibers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3222-3228.	13.8	25
103	De novo rational design of a freestanding, supercharged polypeptide, proton-conducting membrane. <i>Science Advances</i> , 2020, 6, eabc0810.	10.3	24
104	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.	21.0	24
105	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.	2.0	23
106	Detection and Chiral Recognition of β -Hydroxyl Acid through ¹ H and CEST NMR Spectroscopy Using a Ytterbium Macrocyclic Complex. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18286-18289.	13.8	23
107	Solvent-Free Plasticity and Programmable Mechanical Behaviors of Engineered Proteins. <i>Advanced Materials</i> , 2020, 32, e1907697.	21.0	23
108	Biocompatible Inorganic Nanoagent for Efficient Synergistic Tumor Treatment with Augmented Antitumor Immunity. <i>Small</i> , 2022, 18, e2200897.	10.0	23

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109	Facile synthesis and luminescent properties of flower-like LaPO ₄ :Ln ³⁺ (Ln = Ce, Tb) hierarchical architectures. <i>CrystEngComm</i> , 2010, 12, 2865.	2.6	22
110	Engineered Anisotropic Fluids of Rare-Earth Nanomaterials. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18213-18217.	13.8	20
111	DNA-Based Concatenated Encoding System for High-Reliability and High-Density Data Storage. <i>Small Methods</i> , 2022, 6, e2101335.	8.6	20
112	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, .	13.8	20
113	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.	21.0	19
114	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.	4.4	19
115	Engineered protein nanodrug as an emerging therapeutic tool. <i>Nano Research</i> , 2022, 15, 5161-5172.	10.4	19
116	Tunable Aggregation-Induced Emission of Tetraphenylethylene via Short Peptide-Directed Self-Assembly. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600183.	3.7	18
117	Recent progress in stretchable organic field-effect transistors. <i>Science China Technological Sciences</i> , 2019, 62, 1255-1276.	4.0	18
118	Bioinspired and Mechanically Strong Fibers Based on Engineered Non-Spider Chimeric Proteins. <i>Angewandte Chemie</i> , 2020, 132, 8225-8229.	2.0	18
119	Facile synthesis of Y ₄ O(OH) ₉ NO ₃ :Eu ³⁺ /Y ₂ O ₃ :Eu ³⁺ nanotubes and nanobundles from nanolamellar precursors. <i>CrystEngComm</i> , 2010, 12, 585-590.	2.6	16
120	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.	6.1	16
121	Engineering DNA-Guided Hydroxyapatite Bulk Materials with High Stiffness and Outstanding Antimicrobial Ability for Dental Inlay Applications. <i>Advanced Materials</i> , 2022, 34, e2202180.	21.0	16
122	Preparation and characterization of epoxidized soybean oil-based paper composite as potential water-resistant materials. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	15
123	Dipeptide concave nanospheres based on interfacially controlled self-assembly: from crescent to solid. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 30926-30930.	2.8	15
124	Biomacromolecule-based photo-thermal agents for tumor treatment. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7007-7022.	5.8	15
125	An Engineered Protein Adhesive with Properties of Tissue Integration and Controlled Release for Efficient Cartilage Repair. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100109.	7.6	15
126	An Artificial Phase-Transitional Underwater Bioglue with Robust and Switchable Adhesion Performance. <i>Angewandte Chemie</i> , 2021, 133, 12189-12196.	2.0	14

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127	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.	13.8	14
128	Bioengineered Protein-Based Adhesives for Biomedical Applications. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	14
129	Self-healing, reusable and conductive cellulose nanocrystals-containing adhesives. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 643, 128797.	4.7	14
130	Stretching Single Polymer Chains of Donor-Acceptor Foldamers: Toward the Quantitative Study on the Extent of Folding. <i>Langmuir</i> , 2013, 29, 14438-14443.	3.5	13
131	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.	2.0	13
132	Ectopic bone formation in vivo induced by a novel synthetic peptide derived from BMP-2 using porous collagen scaffolds. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2007, 22, 701-705.	1.0	12
133	Facile synthesis of hierarchically superstructured praseodymium benzenetricarboxylate with controllable morphologies. <i>CrystEngComm</i> , 2011, 13, 452-458.	2.6	12
134	Azobenzene-Based Photomechanical Biomaterials. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2100020.	3.6	12
135	Mechanically Strong Globular-Protein-Based Fibers Obtained Using a Microfluidic Spinning Technique. <i>Angewandte Chemie</i> , 2020, 132, 4374-4378.	2.0	11
136	Recent advances in gadolinium-based MRI metal responsive agent. <i>Science China Technological Sciences</i> , 2018, 61, 1329-1333.	4.0	10
137	SHORT-TERM EFFECTS OF ACETATE AND MICROAEROBIC CONDITIONS ON PHOTOSYNTHESIS AND RESPIRATION IN <i>CHLORELLA SOROKINIANA</i> GXNN 01 (CHLOROPHYTA). <i>Journal of Phycology</i> , 2012, 48, 992-1001.	2.3	9
138	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.	5.8	9
139	Self-Sorting in Dynamic Combinatorial Libraries Leads to the Co-Existence of Foldamers and Self-Replicators. <i>Angewandte Chemie</i> , 2021, 133, 13681-13685.	2.0	9
140	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.	5.1	8
141	Genetically Engineered Supercharged Polypeptide Fluids: Fast and Persistent Self-Ordering Induced by Touch. <i>Angewandte Chemie</i> , 2018, 130, 6994-6998.	2.0	8
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