

# Chuan-Liang Feng

## List of Publications by Year in Descending Order

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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.

79  
papers

1,977  
citations

25  
h-index

43  
g-index

85  
ext. papers

2,526  
ext. citations

8.5  
avg, IF

5.65  
L-index

#	Paper	IF	Citations
79	Chiral graphene-based supramolecular hydrogels toward tumor therapy. <i>Polymer Chemistry</i> , <b>2022</b> , 13, 1685-1694	4.9	0
78	Use of Electrospun Phenylalanine/Poly-ε-Caprolactone Chiral Hybrid Scaffolds to Promote Endothelial Remodeling.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 773635	5.8	0
77	Chirality Bias Tissue Homeostasis by Manipulating Immunological Response. <i>Advanced Materials</i> , <b>2021</b> , e2105136	24	1
76	Bio-inspired chiral self-assemblies promoted neuronal differentiation of retinal progenitor cells through activation of metabolic pathway. <i>Bioactive Materials</i> , <b>2021</b> , 6, 990-997	16.7	8
75	Effect of Stereochemistry on Chirality and Gelation Properties of Supramolecular Self-Assemblies. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 3119-3129	4.8	3
74	Induction of Chirality in Supramolecular Coassemblies Built from Achiral Precursors. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 1155-1161	6.4	3
73	Effect of aromatic core on the supramolecular chirality of l-phenylalanine derived assemblies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 610, 125709	5.1	
72	Biomimetic Glycopolyptide Hydrogels with Tunable Adhesion and Microporous Structure for Fast Hemostasis and Highly Efficient Wound Healing. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2105628	15.6	22
71	Rational Fabrication of Multiple Dimensional Assemblies from Tryptophan-Based Racemate. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 14911-14920	4.8	
70	Ultrasmall Zwitterionic Polypeptide-Coordinated Nanohybrids for Highly Efficient Cancer Photothermal Ferrotherapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 44002-44012	9.5	2
69	Three-Dimensional Chiral Supramolecular Microenvironment Strategy for Enhanced Biocatalysis. <i>ACS Nano</i> , <b>2021</b> , 15, 14972-14984	16.7	0
68	Chiral helical supramolecular hydrogels with adjustable pitch and diameter towards high-performance chiroptical detecting. <i>Giant</i> , <b>2021</b> , 8, 100077	5.6	2
67	Controlled chiral transcription and efficient separation via graphene oxide encapsulated helical supramolecular assembly. <i>Carbon</i> , <b>2020</b> , 165, 82-89	10.4	8
66	Supramolecular Hydrogels with Tunable Chirality for Promising Biomedical Applications. <i>Accounts of Chemical Research</i> , <b>2020</b> , 53, 852-862	24.3	71
65	Antimicrobial Activity with Enhanced Mechanical Properties in Phenylalanine-Based Chiral Coassembled Hydrogels: The Influence of Pyridine Hydrazide Derivatives.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 2295-2304	4.1	4
64	Wrapping Chiral Nanoribbons into Coiled and Condensed Microstructures in Supramolecular Hydrogels. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002936	15.6	9
63	Chirality Transfer in Supramolecular Co-assembled Fibrous Material Enabling the Visual Recognition of Sucrose. <i>Advanced Fiber Materials</i> , <b>2020</b> , 2, 204-211	10.9	4

62	Visible Enantiomer Discrimination via Diphenylalanine-Based Chiral Supramolecular Self-Assembly on Multiple Platforms. <i>Langmuir</i> , <b>2020</b> , 36, 2524-2533	4	10
61	Highly efficient full-color and white circularly polarized luminescent nanoassemblies and their performance in light emitting devices. <i>Nanoscale</i> , <b>2020</b> , 12, 6233-6238	7.7	32
60	Deciphering the structure-property relationship in coumarin-based supramolecular organogel materials. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2020</b> , 597, 124744	5.1	5
59	Redox-Driven Helix Reversal of Graphene-Based Hydrogels. <i>ACS Nano</i> , <b>2020</b> ,	16.7	4
58	Solvent-Controlled Topological Evolution from Nanospheres to Superhelices. <i>Small</i> , <b>2020</b> , 16, e200475611		8
57	Trends in design of C2-symmetric supramolecular chiral gelators. <i>European Polymer Journal</i> , <b>2019</b> , 117, 236-253	5.2	7
56	Co-Assembled Supramolecular Nanostructure of Platinum(II) Complex through Helical Ribbon to Helical Tubes with Helical Inversion. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11709-11714	16.4	25
55	Inversion of Circularly Polarized Luminescence of Nanofibrous Hydrogels through Co-assembly with Achiral Coumarin Derivatives. <i>ACS Nano</i> , <b>2019</b> , 13, 7281-7290	16.7	78
54	Molecular recognition of melamine and cyanuric acid by C2-symmetric phenylalanine based supramolecular hydrogels. <i>European Polymer Journal</i> , <b>2019</b> , 118, 170-175	5.2	1
53	Chirality Controls Mesenchymal Stem Cell Lineage Diversification through Mechanoresponses. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900582	24	37
52	Photoresponsive Supramolecular Hydrogel Co-assembled from Fmoc-Phe-OH and 4,4'-Azopyridine for Controllable Dye Release. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2019</b> , 37, 437-443	3.5	2
51	Controlled mechanical properties and supramolecular chirality of hydrogels via pH change. <i>MethodsX</i> , <b>2019</b> , 6, 417-423	1.9	1
50	Mechanically Stable C2-Phenylalanine Hybrid Hydrogels for Manipulating Cell Adhesion. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 28657-28664	9.5	8
49	Co-Assembled Supramolecular Nanostructure of Platinum(II) Complex through Helical Ribbon to Helical Tubes with Helical Inversion. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 11835-11840	3.6	7
48	Achiral isomers controlled circularly polarized luminescence in supramolecular hydrogels. <i>Nanoscale</i> , <b>2019</b> , 11, 14210-14215	7.7	34
47	Effect of Chirality on Cell Spreading and Differentiation: From Chiral Molecules to Chiral Self-Assembly. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 38568-38577	9.5	25
46	[2 + 2] Photocycloaddition Reaction Regulated the Stability and Morphology of Hydrogels. <i>Advanced Fiber Materials</i> , <b>2019</b> , 1, 241-247	10.9	5
45	Supramolecular fluorescent hydrogelators as bio-imaging probes. <i>Materials Horizons</i> , <b>2019</b> , 6, 14-44	14.4	72

44	The Cooperative Effect of Both Molecular and Supramolecular Chirality on Cell Adhesion. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 6585-6589	3.6	10
43	Metal-Ion-Mediated Supramolecular Chirality of L-Phenylalanine Based Hydrogels. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 5655-5659	16.4	64
42	Metal-Ion-Mediated Supramolecular Chirality of L-Phenylalanine Based Hydrogels. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 5757-5761	3.6	15
41	The Cooperative Effect of Both Molecular and Supramolecular Chirality on Cell Adhesion. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6475-6479	16.4	48
40	Photoresponsive Coumarin-Based Supramolecular Hydrogel for Controllable Dye Release. <i>Macromolecular Chemistry and Physics</i> , <b>2018</b> , 219, 1700398	2.6	13
39	Stoichiometry-Controlled Inversion of Supramolecular Chirality in Nanostructures Co-assembled with Bipyridines. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 1509-1513	4.8	28
38	Modulating Supramolecular Chirality in Alanine Derived Assemblies by Multiple External Stimuli. <i>Langmuir</i> , <b>2018</b> , 34, 7869-7876	4	15
37	Enhanced cell adhesion on a bio-inspired hierarchically structured polyester modified with gelatin-methacrylate. <i>Biomaterials Science</i> , <b>2018</b> , 6, 785-792	7.4	18
36	Chirality-Enabled Liquid Crystalline Physical Gels with High Modulus but Low Driving Voltage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 43184-43191	9.5	8
35	Amino Acids and Peptide-Based Supramolecular Hydrogels for Three-Dimensional Cell Culture. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604062	24	192
34	Coassembly Modulated pH-Responsive Hydrogel for Dye Absorption and Release. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1600560	2.6	12
33	Isolated Reporter Bacteria in Supramolecular Hydrogel Microwell Arrays. <i>Langmuir</i> , <b>2017</b> , 33, 7799-7809	4	11
32	Co-organizing synthesis of heterogeneous nanostructures through the photo-cleavage of pre-stabilized self-assemblies. <i>Chemical Communications</i> , <b>2017</b> , 53, 4702-4705	5.8	6
31	Unexpected right-handed helical nanostructures co-assembled from L-phenylalanine derivatives and achiral bipyridines. <i>Chemical Science</i> , <b>2017</b> , 8, 1769-1775	9.4	49
30	Non-invasively visualizing cell-matrix interactions in two-photon excited supramolecular hydrogels. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 7790-7795	7.3	9
29	Autoinducer Sensing Microarrays by Reporter Bacteria Encapsulated in Hybrid Supramolecular-Polysaccharide Hydrogels. <i>Macromolecular Bioscience</i> , <b>2017</b> , 17, 1700176	5.5	9
28	Transfer and Dynamic Inversion of Coassembled Supramolecular Chirality through 2D-Sheet to Rolled-Up Tubular Structure. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 17711-17714	16.4	43
27	Galactose-decorated light-responsive hydrogelator precursors for selectively killing cancer cells. <i>Chemical Communications</i> , <b>2016</b> , 52, 12574-12577	5.8	23

26	Inversion of the Supramolecular Chirality of Nanofibrous Structures through Co-Assembly with Achiral Molecules. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 2457-2461	3.6	31
25	Influence of C-H $\cdots$ O Hydrogen Bonds on Macroscopic Properties of Supramolecular Assembly. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 5188-95	9.5	24
24	Tuning Syneresis Properties of Kappa-Carrageenan Hydrogel by C2-Symmetric Benzene-Based Supramolecular Gelators. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 1197-1204	2.6	9
23	Inversion of the Supramolecular Chirality of Nanofibrous Structures through Co-Assembly with Achiral Molecules. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 2411-5	16.4	99
22	Innentitelbild: Inversion of the Supramolecular Chirality of Nanofibrous Structures through Co-Assembly with Achiral Molecules (Angew. Chem. 7/2016). <i>Angewandte Chemie</i> , <b>2016</b> , 128, 2318-2318 <sup>3,6</sup>		
21	Hybrid hydrogels assembled from phenylalanine derivatives and agarose with enhanced mechanical strength. <i>Chemical Research in Chinese Universities</i> , <b>2016</b> , 32, 872-876	2.2	8
20	Installing Logic Gates to Multiresponsive Supramolecular Hydrogel Co-assembled from Phenylalanine Amphiphile and Bis(pyridinyl) Derivative. <i>Langmuir</i> , <b>2015</b> , 31, 7122-8	4	30
19	Bioinspired Hierarchical Surface Structures with Tunable Wettability for Regulating Bacteria Adhesion. <i>ACS Nano</i> , <b>2015</b> , 9, 10664-72	16.7	158
18	Biotin-Avidin Based Universal Cell-Matrix Interaction for Promoting Three-Dimensional Cell Adhesion. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 20786-92	9.5	20
17	Time-Dependent Investigation of Surface Nanostructures of Weak-Phase-Separated Block Copolymer Films. <i>Langmuir</i> , <b>2015</b> , 31, 9026-32	4	1
16	Multiresponsive hydrogel coassembled from phenylalanine and azobenzene derivatives as 3D scaffolds for photoguiding cell adhesion and release. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 301-7	9.5	70
15	Control of three-dimensional cell adhesion by the chirality of nanofibers in hydrogels. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 7789-93	16.4	161
14	Rational design of coumarin-based supramolecular hydrogelators for cell imaging. <i>Chemical Communications</i> , <b>2014</b> , 50, 15545-8	5.8	22
13	Convenient three-dimensional cell culture in supermolecular hydrogels. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 7948-52	9.5	25
12	C2-symmetric benzene-based organogels: A rationally designed LMOG and its application in marine oil spill. <i>Journal of Molecular Liquids</i> , <b>2014</b> , 190, 94-98	6	15
11	Control of Three-Dimensional Cell Adhesion by the Chirality of Nanofibers in Hydrogels. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 7923-7927	3.6	21
10	Dual-specific interaction to detect DNA on gold nanoparticles. <i>Sensors</i> , <b>2013</b> , 13, 5749-56	3.8	3
9	Mechanical reinforcement of C2-phenyl-derived hydrogels for controlled cell adhesion. <i>Soft Matter</i> , <b>2013</b> , 9, 3750	3.6	45

8	Highly directional co-assembly of 2,6-pyridinedicarboxylic acid and 4-hydroxypyridine based on low molecular weight gelators. <i>Journal of Molecular Liquids</i> , <b>2013</b> , 180, 129-134	6	6
7	RGD anchored C-benzene based PEG-like hydrogels as scaffolds for two and three dimensional cell cultures. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 3562-3568	7.3	25
6	Novel pH responsive hydrogels for controlled cell adhesion and triggered surface detachment. <i>Soft Matter</i> , <b>2012</b> , 8, 9539	3.6	33
5	C <sub>2</sub> -symmetric benzene-based hydrogels with unique layered structures for controllable organic dye adsorption. <i>Soft Matter</i> , <b>2012</b> , 8, 3231	3.6	57
4	A highly efficient self-assembly of responsive C(2) -cyclohexane-derived gelators. <i>Macromolecular Rapid Communications</i> , <b>2012</b> , 33, 1535-41	4.8	20
3	Selective encapsulation of dye molecules in dendrimer/polymer multilayer microcapsules by DNA hybridization. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 1438		11
2	DNA hybridization induced selective encapsulation of small dye molecules in dendrimer based microcapsules. <i>Analyst, The</i> , <b>2010</b> , 135, 2939-44	5	9
1	Hydrogen-bonding regulated supramolecular chirality with controllable biostability. <i>Nano Research</i> , <b>1</b>	10	1