

Pengyao Xing

List of Publications by Year in descending order

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111
papers

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citations

172457

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docs citations

112
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling Supramolecular Chirality in Multicomponent Self-Assembled Systems. <i>Accounts of Chemical Research</i> , 2018, 51, 2324-2334.	15.6	255
2	Multifunctional Nanoparticles Self-Assembled from Small Organic Building Blocks for Biomedicine. <i>Advanced Materials</i> , 2016, 28, 7304-7339.	21.0	155
3	Occurrence of Chiral Nanostructures Induced by Multiple Hydrogen Bonds. <i>Journal of the American Chemical Society</i> , 2019, 141, 9946-9954.	13.7	81
4	Vesicles from supramolecular amphiphiles. <i>RSC Advances</i> , 2013, 3, 24776.	3.6	80
5	Supramolecular gel from folic acid with multiple responsiveness, rapid self-recovery and orthogonal self-assemblies. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 8346-8359.	2.8	72
6	Chiroptical Helices of N-Terminal Aryl Amino Acids through Orthogonal Noncovalent Interactions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11556-11565.	13.8	69
7	Superstructure Formation and Topological Evolution Achieved by Self-Organization of a Highly Adaptive Dynamer. <i>ACS Nano</i> , 2016, 10, 2716-2727.	14.6	63
8	Selective Coassembly of Aromatic Amino Acids to Fabricate Hydrogels with Light Irradiation-Induced Emission for Fluorescent Imprint. <i>Advanced Materials</i> , 2018, 30, 1705633.	21.0	63
9	Supramolecular Vesicles for Stimulus-Responsive Drug Delivery. <i>Small Methods</i> , 2018, 2, 1700364.	8.6	59
10	Photo-triggered transformation from vesicles to branched nanotubes fabricated by a cholesterol-appended cyanostilbene. <i>Chemical Communications</i> , 2015, 51, 9309-9312.	4.1	57
11	Fast-Clearable Nanocarriers Conducting Chemo/Photothermal Combination Therapy to Inhibit Recurrence of Malignant Tumors. <i>Small</i> , 2017, 13, 1700963.	10.0	57
12	Clearable Black Phosphorus Nanoconjugate for Targeted Cancer Phototheranostics. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 18342-18351.	8.0	55
13	Multi-Modal Chiral Superstructures in Self-Assembled Anthracene-Terminal Amino Acids with Predictable and Adjustable Chiroptical Activities and Color Evolution. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3138-3147.	13.8	55
14	Understanding Pathway Complexity of Organic Micro/Nanofiber Growth in Hydrogen-Bonded Coassembly of Aromatic Amino Acids. <i>ACS Nano</i> , 2017, 11, 4206-4216.	14.6	53
15	Environment-Adaptive Coassembly/Self-Sorting and Stimulus-Responsiveness Transfer Based on Cholesterol Building Blocks. <i>Advanced Science</i> , 2018, 5, 1700552.	11.2	50
16	Combined Photodynamic and Photothermal Therapy Using Cross-Linked Polyphosphazene Nanospheres Decorated with Gold Nanoparticles. <i>ACS Applied Nano Materials</i> , 2018, 1, 3663-3672.	5.0	50
17	Diverse Role of Solvents in Controlling Supramolecular Chirality. <i>Chemistry - A European Journal</i> , 2019, 25, 7426-7437.	3.3	50
18	Stimulus-responsive luminescent hydrogels: Design and applications. <i>Advances in Colloid and Interface Science</i> , 2020, 286, 102301.	14.7	47

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19	Hybrid Gels Assembled from Fmoc- α -Amino Acid and Graphene Oxide with Controllable Properties. <i>ChemPhysChem</i> , 2014, 15, 2377-2385.	2.1	45
20	Water- β -Binding- α -Mediated Gelation/Crystallization and Thermosensitive Superchirality. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7774-7779.	13.8	45
21	Solvent- α -Controlled Assembly of Aromatic Glutamic Dendrimers for Efficient Luminescent Color Conversion. <i>Advanced Functional Materials</i> , 2018, 28, 1802859.	14.9	43
22	Programmable Multicomponent Self- α -Assembly Based on Aromatic Amino Acids. <i>Advanced Materials</i> , 2018, 30, e1805175.	21.0	41
23	A chemosensor-based chiral coassembly with switchable circularly polarized luminescence. <i>Nature Communications</i> , 2021, 12, 6320.	12.8	41
24	High-Throughput Synthesis of Chiroptical Nanostructures from Synergistic Hydrogen-Bonded Coassemblies. <i>ACS Nano</i> , 2020, 14, 2522-2532.	14.6	39
25	Responsive Prodrug Self-Assembled Vesicles for Targeted Chemotherapy in Combination with Intracellular Imaging. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24319-24324.	8.0	36
26	Light and cucurbit[7]uril complexation dual-responsiveness of a cyanostilbene-based self-assembled system. <i>Nanoscale</i> , 2016, 8, 1892-1896.	5.6	33
27	Independent of EPR Effect: A Smart Delivery Nanosystem for Tracking and Treatment of Nonvascularized Intra- α -Abdominal Metastases. <i>Advanced Functional Materials</i> , 2018, 28, 1806162.	14.9	32
28	Melamine as an Effective Supramolecular Modifier and Stabilizer in a Nanotube- α -Constituted Supergel. <i>Chemistry - an Asian Journal</i> , 2014, 9, 3440-3450.	3.3	31
29	Tailoring luminescence color conversion via affinitive co-assembly of glutamates appended with pyrene and naphthalene dicarboximide units. <i>Chemical Communications</i> , 2016, 52, 1246-1249.	4.1	31
30	Fluorescent Imprintable Hydrogels via Organic/Inorganic Supramolecular Coassembly. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 15491-15499.	8.0	31
31	Polyhedral Oligosilsesquioxanes in Functional Chiral Nanoassemblies. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9902-9912.	13.8	31
32	Ultraviolet Light Detectable Circularly Polarized Room Temperature Phosphorescence in Chiral Naphthalimide Self-Assemblies. <i>ACS Nano</i> , 2021, 15, 20192-20202.	14.6	30
33	Tuning of gel morphology with supramolecular chirality amplification using a solvent strategy based on an Fmoc-amino acid building block. <i>New Journal of Chemistry</i> , 2016, 40, 5568-5576.	2.8	28
34	Regulation of Circularly Polarized Luminescence in Multicomponent Supramolecular Coassemblies. <i>ChemPhotoChem</i> , 2022, 6, .	3.0	27
35	Eutectogels as Matrices to Manipulate Supramolecular Chirality and Circularly Polarized Luminescence. <i>ACS Nano</i> , 2022, 16, 6825-6834.	14.6	26
36	Switchable and orthogonal self-assemblies of anisotropic fibers. <i>New Journal of Chemistry</i> , 2013, 37, 3949.	2.8	25

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37	Solvent-Processed Circularly Polarized Luminescence in Light-Harvesting Coassemblies. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34470-34478.	8.0	25
38	Inverse Evolution of Helicity from the Molecular to the Macroscopic Level Based on <i>N</i> -Terminal Aromatic Amino Acids. <i>ACS Nano</i> , 2021, 15, 5322-5332.	14.6	25
39	X-ray Halogen Bond-Induced Supramolecular Helices. <i>Angewandte Chemie - International Edition</i> , 2022, 61, 13.8.	13.8	25
40	Novel Double Phase Transforming Organogel Based on β -Cyclodextrin in 1,2-Propylene Glycol. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13106-13113.	2.6	24
41	Controllable self-growth of a hydrogel with multiple membranes. <i>RSC Advances</i> , 2013, 3, 15237.	3.6	24
42	Self-recovering β -cyclodextrin gel controlled by good/poor solvent environments. <i>RSC Advances</i> , 2013, 3, 22087.	3.6	24
43	Facile Stimuli-Responsive Transformation of Vesicle to Nanofiber to Supramolecular Gel via π -Amino Acid-Based Dynamic Covalent Chemistry. <i>Langmuir</i> , 2016, 32, 10705-10711.	3.5	24
44	Helical Nanostructures with Circularly Polarized Luminescence from the Multicomponent Assembly of π -Conjugated <i>N</i> -Terminal Amino Acids. <i>ChemPlusChem</i> , 2020, 85, 1511-1522.	2.8	24
45	Halogen Bonding Mediated Hierarchical Supramolecular Chirality. <i>ACS Nano</i> , 2021, 15, 15306-15315.	14.6	23
46	An instant-formative heat-set organogel induced by small organic molecules at a high temperature. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 421, 44-50.	4.7	22
47	Chiroptical Helices of <i>N</i> -Terminal Aryl Amino Acids through Orthogonal Noncovalent Interactions. <i>Angewandte Chemie</i> , 2020, 132, 11653-11662.	2.0	22
48	Halogenation Regulates Supramolecular Chirality at Hierarchical Levels of Self-Assembled <i>N</i> -Terminal Aromatic Amino Acids. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1307-1315.	4.6	22
49	A supramolecular vesicle of camptothecin for its water dispersion and controllable releasing. <i>Carbohydrate Research</i> , 2015, 402, 208-214.	2.3	20
50	Photoresponsive chiral vesicles as a light harvesting matrix with tunable chiroptical properties. <i>Nanoscale</i> , 2021, 13, 700-707.	5.6	19
51	Reversible pH-responsive helical nanoribbons formed using camptothecin. <i>RSC Advances</i> , 2014, 4, 42372-42375.	3.6	18
52	Self-Assembly of Organic Building Blocks with Directly Exfoliated Graphene to Fabricate Di- and Tricomponent Hybrids. <i>ChemNanoMat</i> , 2015, 1, 517-527.	2.8	18
53	A multistimuli-responsive supramolecular vesicle constructed by cyclodextrins and tyrosine. <i>Colloid and Polymer Science</i> , 2015, 293, 891-900.	2.1	18
54	Modular Molecular Self-Assembly for Diversified Chiroptical Systems. <i>Small</i> , 2020, 16, 2002036.	10.0	18

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55	Noncovalently Modulated Chiral Nanoclays for Circularly Polarized Luminescence Color Conversion. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45665-45672.	8.0	17
56	Multi-responsive supramolecular organogel with a crystalline-like structure. <i>Carbohydrate Research</i> , 2013, 367, 18-24.	2.3	16
57	Selective Metal-Ion-Mediated Vesicle Adhesion Based on Dynamic Self-Organization of a Pyrene-Appended Glutamic Acid. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17676-17684.	8.0	16
58	Water-Binding-Mediated Gelation/Crystallization and Thermosensitive Superchirality. <i>Angewandte Chemie</i> , 2018, 130, 7900-7905.	2.0	16
59	A binary solvent gel as drug delivery carrier. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 522, 577-584.	4.7	15
60	Tailoring Circularly Polarized Luminescence of Cholesteryl Conjugated Naphthalimides via Solvent Polarity. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7965-7972.	3.1	15
61	Multi-Modal Chiral Superstructures in Self-Assembled Anthracene-Terminal Amino Acids with Predictable and Adjustable Chiroptical Activities and Color Evolution. <i>Angewandte Chemie</i> , 2021, 133, 3175-3184.	2.0	15
62	Photoregulated "Breathing" Vesicle with Inversed Supramolecular Chirality. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2091-2099.	8.0	15
63	Controlled self-organization of cyanostilbene: emission tuning and photo-responsiveness. <i>Soft Matter</i> , 2016, 12, 6038-6042.	2.7	14
64	Hierarchically Evolved Supramolecular Chirality Mediated by Arene-Perfluoroarene Interaction. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29170-29178.	8.0	14
65	Chiral toroids and tendril superstructures from integrated ternary species with consecutively tunable supramolecular chirality and circularly polarized luminescence. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16224-16233.	5.5	13
66	Arene-perfluoroarene interaction induced chiroptical inversion and precise ee% detection of chiral acids in a benzimidazole-involved ternary coassembly. <i>Nanoscale</i> , 2022, 14, 1779-1786.	5.6	13
67	Self-Assembled Helical Structures of Pyrene-Conjugated Amino Acids for Near-Infrared Chiroptical Materials and Chiral Photothermal Agents. <i>Chemistry of Materials</i> , 2022, 34, 1302-1314.	6.7	13
68	Self-Assembly of <i>N</i> -Terminal Aryl Amino Acids into Adaptive Single- and Double-Strand Helices. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4147-4155.	4.6	12
69	Dual-tuning multidimensional superstructures based on a T-shaped molecule: vesicle, helix, membrane and nanofiber-constructed gel. <i>RSC Advances</i> , 2015, 5, 1969-1978.	3.6	11
70	Aromatic vapor responsive molecular packing rearrangement in supramolecular gels. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2452-2461.	5.9	11
71	Enhancing Optical Activities of Benzimidazole Derivatives through Coassembly for High-Efficiency Synthesis of Chiroptical Nanomaterials and Accurate ee % Detection of Natural Acids. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6830-6843.	8.0	11
72	Transpositional Circularly Polarized Luminescence from Transient Charge-Transfer Coassembly. <i>Small</i> , 2021, 17, e2104499.	10.0	11

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73	Self-assembly of folic acid/melamine complexes with hierarchy levels: from membranes to porous spherulites and networks. <i>RSC Advances</i> , 2014, 4, 36633-36639.	3.6	10
74	Water-Mediated Folding Behaviors and Chiroptical Inversion of Ferrocene-Conjugated Dipeptides. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6190-6196.	4.6	10
75	Dynamic axial chirality of ferrocene diamino acids: hydration effects and chiroptical applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12191-12200.	5.5	10
76	Platinum(II) metallacycles as highly affinitive hosts for dendritic amino acids with tunable circularly polarized luminescence. <i>Journal of Materials Chemistry C</i> , 2022, 10, 13860-13870.	5.5	10
77	Self-Assembly Evolution of <i>N</i> -Terminal Aromatic Amino Acids with Transient Supramolecular Chirality. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1490-1496.	4.6	9
78	Supramolecular Chirality Suppresses Molecular Chirality: Selective Chiral Recognition in Hierarchically Coassembled Pyridine-Benzimidazole Conjugates with Precise ee% Detection. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2912-2921.	4.6	9
79	Polyhedral Oligosilsesquioxanes in Functional Chiral Nanoassemblies. <i>Angewandte Chemie</i> , 2021, 133, 9990-10000.	2.0	9
80	Organogels based on β -cyclodextrin system with molecular recognition property. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 80, 217-224.	1.6	8
81	Utilizing dual responsive supramolecular gel to stabilize graphene oxide in apolar solvents. <i>Colloid and Polymer Science</i> , 2014, 292, 3223-3231.	2.1	8
82	Highly Efficient Recovery of Oils in Water via Serine-Based Organogelators. <i>Langmuir</i> , 2019, 35, 4133-4139.	3.5	8
83	Transformation from a heat-set organogel to a room-temperature organogel induced by alcohols. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 79, 133-140.	1.6	7
84	Controllable self-assemblies of sodium benzoate in different solvent environments. <i>RSC Advances</i> , 2015, 5, 70178-70185.	3.6	7
85	pH-Responsive Dipeptide-Based Dynamic Covalent Chemistry Systems Whose Products and Self-Assemblies Depend on the Structure of Isomeric Aromatic Dialdehydes. <i>Langmuir</i> , 2018, 34, 13725-13734.	3.5	7
86	Fmoc-protected amino acids as luminescent and circularly polarized luminescence materials based on charge transfer interaction. <i>Chinese Chemical Letters</i> , 2022, 33, 4918-4923.	9.0	7
87	Solvent-polarity-tuned nanostructures assembled from modified octadecylcarbamate with an anthracen moiety. <i>RSC Advances</i> , 2016, 6, 71963-71969.	3.6	6
88	A ternary modular molecular co-assembly with flexibly tailored chiroptical properties. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4321-4328.	5.5	6
89	Dynamic evolution of supramolecular chirality manipulated by H-bonded coassembly and photoisomerism. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6628-6638.	5.9	6
90	Chiral molecular nanosilicas. <i>Chemical Science</i> , 2022, 13, 4029-4040.	7.4	6

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91	Photoresponsive Supramolecular Chiral Composites Based on Hydrogen-Bonded Coassembly. <i>Journal of Physical Chemistry C</i> , 2021, 125, 28108-28114.	3.1	6
92	Self-Assembled Polyhedral Oligosilsesquioxane Dendrimers for Circularly Polarized Luminescence Energy Transfer. <i>Journal of Physical Chemistry C</i> , 2021, 125, 14141-14148.	3.1	5
93	Folded Propeller Chiral Structures Exclusively Adaptive to Chloroform. <i>ACS Nano</i> , 2022, 16, 4551-4559.	14.6	5
94	A facile method to construct dual-responsive organogels with color changes. <i>RSC Advances</i> , 2013, 3, 21959.	3.6	4
95	Cu(II)-triggered release of paclitaxel from a supramolecular complex. <i>Supramolecular Chemistry</i> , 2013, 25, 302-309.	1.2	4
96	Ultrathin Supramolecular Architectures Self-Assembled from a C_3 -Symmetric Synthon for Selective Metal Binding. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9673-9681.	8.0	4
97	X-Halogen Bond-Induced Supramolecular Helices. <i>Angewandte Chemie</i> , 0, , .	2.0	4
98	Efficient Chirality Transfer from Chiral Amines to Oligo(<i>p</i> -phenylenevinylene)s to Fabricate Chiroptical Materials. <i>Nanoscale</i> , 0, , .	5.6	4
99	Light-responsive drug carrier vesicles assembled by cinnamic acid-based peptide. <i>Colloid and Polymer Science</i> , 2013, 291, 2639-2646.	2.1	3
100	Selection of Amino Acids and the Biomimetic Synthesis of Amido Bond in the Presence of β -CD. <i>Synthetic Communications</i> , 2014, 44, 1111-1121.	2.1	3
101	Hydrogen bonded co-assembly of aromatic amino acids and bipyridines that serves as a sacrificial template in superstructure formation. <i>Soft Matter</i> , 2019, 15, 6596-6603.	2.7	3
102	Supramolecular secondary helical structures in solid-state <i>N</i> -protected amino acids. <i>Nanoscale</i> , 2020, 12, 20610-20620.	5.6	3
103	Quantitative chiral sensing of organic acids by benzimidazole derivatives through H-bond coassembly. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2513-2520.	5.5	3
104	Symmetry breaking-induced double-strand helices in H-bonded coassembly. <i>Nanoscale</i> , 2021, 13, 12929-12937.	5.6	3
105	Hydrogels Self-Assembled from an Azobenzene Building Block: Stability toward UV Irradiation in the Gel and Thin-Film States. <i>ChemPlusChem</i> , 2019, 84, 328-332.	2.8	2
106	The origin of supramolecular chirality in 1-ferrocenyl amino acids. <i>Dalton Transactions</i> , 2021, 50, 9695-9699.	3.3	2
107	Four-Component Ugi Reaction for Optical Chirality Sensing and Surface Nanoengineering of Chiral Self-Assemblies. <i>Chemistry - A European Journal</i> , 2022, , .	3.3	2
108	Selective chiral recognition of achiral species in nanoclay coassemblies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 614, 126152.	4.7	1

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109	Organic solvent vapor/thermal responsive binary gels with tunable transparency and mechanical strength. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129267.	4.7	1
110	Frontispiece: Diverse Role of Solvents in Controlling Supramolecular Chirality. <i>Chemistry - A European Journal</i> , 2019, 25, .	3.3	0
111	Supramolecular coassembly of amino clay and anionic polyacrylamide with enhanced crystallinity and luminescence. <i>Journal of Molecular Liquids</i> , 2022, 354, 118887.	4.9	0