

Dan-Wei Zhang

List of Publications by Year in descending order

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84
papers

3,358
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201385

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docs citations

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times ranked

3335
citing authors

#	ARTICLE	IF	CITATIONS
1	Aromatic Amide Foldamers: Structures, Properties, and Functions. <i>Chemical Reviews</i> , 2012, 112, 5271-5316.	23.0	576
2	Supramolecular metal-organic frameworks that display high homogeneous and heterogeneous photocatalytic activity for H ₂ production. <i>Nature Communications</i> , 2016, 7, 11580.	5.8	198
3	Three-dimensional periodic supramolecular organic framework ion sponge in water and microcrystals. <i>Nature Communications</i> , 2014, 5, 5574.	5.8	196
4	A polycationic covalent organic framework: a robust adsorbent for anionic dye pollutants. <i>Polymer Chemistry</i> , 2016, 7, 3392-3397.	1.9	159
5	Aromatic Amide and Hydrazone Foldamer-Based Responsive Host-Guest Systems. <i>Accounts of Chemical Research</i> , 2014, 47, 1961-1970.	7.6	154
6	Supramolecular organic frameworks: engineering periodicity in water through host-guest chemistry. <i>Chemical Communications</i> , 2016, 52, 6351-6362.	2.2	122
7	Dimerization of Conjugated Radical Cations: An Emerging Non-Covalent Interaction for Self-Assembly. <i>Chemistry - an Asian Journal</i> , 2015, 10, 56-68.	1.7	113
8	Supramolecular organic frameworks (SOFs): homogeneous regular 2D and 3D pores in water. <i>National Science Review</i> , 2017, 4, 426-436.	4.6	108
9	A two-dimensional single-layer supramolecular organic framework that is driven by viologen radical cation dimerization and further promoted by cucurbit[8]uril. <i>Polymer Chemistry</i> , 2014, 5, 4715-4721.	1.9	106
10	Halogen Bonding Directed Supramolecular Quadruple and Double Helices from Hydrogen-Bonded Arylamide Foldamers. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 226-230.	7.2	69
11	Tuning sensitivity of a simple hydrazone for selective fluorescent α -chemo-sensing of Al ³⁺ and its application in living cells imaging. <i>Talanta</i> , 2017, 164, 307-313.	2.9	64
12	Water-Soluble 3D Covalent Organic Framework that Displays an Enhanced Enrichment Effect of Photosensitizers and Catalysts for the Reduction of Protons to H ₂ . <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1404-1411.	4.0	58
13	In situ-prepared homogeneous supramolecular organic framework drug delivery systems (sof-DDSs): Overcoming cancer multidrug resistance and controlled release. <i>Chinese Chemical Letters</i> , 2017, 28, 798-806.	4.8	57
14	Water-Soluble Flexible Organic Frameworks That Include and Deliver Proteins. <i>Journal of the American Chemical Society</i> , 2020, 142, 3577-3582.	6.6	54
15	In Situ Loading and Delivery of Short Single- and Double-Stranded DNA by Supramolecular Organic Frameworks. <i>CCS Chemistry</i> , 2019, 1, 156-165.	4.6	50
16	A three-dimensional cross-linking supramolecular polymer stabilized by the cooperative dimerization of the viologen radical cation. <i>Polymer Chemistry</i> , 2014, 5, 341-345.	1.9	48
17	Iridium complex-linked porous organic polymers for recyclable, broad-scope photocatalysis of organic transformations. <i>Green Chemistry</i> , 2020, 22, 136-143.	4.6	47
18	Water-soluble and dispersible porous organic polymers: preparation, functions and applications. <i>Chemical Society Reviews</i> , 2022, 51, 434-449.	18.7	47

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19	Self-Assembly of Three-Dimensional Supramolecular Polymers through Cooperative Tetrathiafulvalene Radical Cation Dimerization. <i>Chemistry - A European Journal</i> , 2014, 20, 575-584.	1.7	45
20	pH-Responsive single-layer honeycomb supramolecular organic frameworks that exhibit antimicrobial activity. <i>Polymer Chemistry</i> , 2016, 7, 1861-1865.	1.9	45
21	Loading-free supramolecular organic framework drug delivery systems (sof-DDSs) for doxorubicin: normal plasma and multidrug resistant cancer cell-adaptive delivery and release. <i>Chinese Chemical Letters</i> , 2017, 28, 893-899.	4.8	45
22	Enhancing Hydrogen Generation Through Nanoconfinement of Sensitizers and Catalysts in a Homogeneous Supramolecular Organic Framework. <i>Small</i> , 2018, 14, e1801037.	5.2	44
23	Postmodification of a supramolecular organic framework: visible-light-induced recyclable heterogeneous photocatalysis for the reduction of azides to amines. <i>Chemical Communications</i> , 2017, 53, 13367-13370.	2.2	42
24	Methionine-derived Schiff base as selective fluorescent α -turn-on chemosensor for Zn ²⁺ in aqueous medium and its application in living cells imaging. <i>Sensors and Actuators B: Chemical</i> , 2015, 211, 544-550.	4.0	35
25	A stable metal-covalent-supramolecular organic framework hybrid: enrichment of catalysts for visible light-induced hydrogen production. <i>Science China Chemistry</i> , 2018, 61, 830-835.	4.2	33
26	Dimetallic Ru(II) arene complexes appended on bis-salicylaldimine induce cancer cell death and suppress invasion via p53-dependent signaling. <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 1480-1490.	2.6	30
27	Conjugated radical cation dimerization-driven generation of supramolecular architectures. <i>Chinese Chemical Letters</i> , 2015, 26, 811-816.	4.8	29
28	Hydrogen-Bonding-Driven Aromatic Foldamers: Their Structural and Functional Evolution. <i>Chemical Record</i> , 2015, 15, 233-251.	2.9	29
29	Supramolecular polymers and networks driven by cucurbit[8]uril-guest pair encapsulation in water. <i>Supramolecular Chemistry</i> , 2016, 28, 769-783.	1.5	29
30	Intramolecular C-H...F hydrogen bonding-induced 1,2,3-triazole-based foldamers. <i>Organic Chemistry Frontiers</i> , 2014, 1, 494-500.	2.3	26
31	Tetrathiafulvalene-Based Macrocycles Formed by Radical Cation Dimerization: The Role of Intramolecular Hydrogen Bonding and Solvent. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1039-1044.	1.7	24
32	Polymeric Tubular Aromatic Amide Helices. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700179.	2.0	24
33	Ruthenium(II)-cored supramolecular organic framework-mediated recyclable visible light photoreduction of azides to amines and cascade formation of lactams. <i>Chinese Chemical Letters</i> , 2019, 30, 1383-1386.	4.8	24
34	Making Molecular and Macromolecular Helical Tubes: Covalent and Noncovalent Approaches. <i>ACS Omega</i> , 2018, 3, 5165-5176.	1.6	23
35	ONS-donor ligand based Pt(II) complexes display extremely high anticancer potency through autophagic cell death pathway. <i>European Journal of Medicinal Chemistry</i> , 2019, 164, 546-561.	2.6	23
36	Photoinduced Reaction of [60]Fullerene with Tertiary Amines: Synthesis of [60]Fulleropyrrolidines. <i>Synthetic Communications</i> , 1997, 27, 2289-2298.	1.1	22

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37	Homo- and heteroleptic Pt(II) complexes of ONN donor hydrazone and 4-picoline: A synthetic, structural and detailed mechanistic anticancer investigation. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 1039-1052.	2.6	22
38	Acylhydrazone as a novel "On" fluorescence probe for the sequential detection of Al ³⁺ and F ⁻ . <i>New Journal of Chemistry</i> , 2018, 42, 14978-14985.	1.4	22
39	A pore-expanded supramolecular organic framework and its enrichment of photosensitizers and catalysts for visible-light-induced hydrogen production. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1698-1704.	2.3	22
40	Porous Ru(bpy) ₃ ²⁺ -Linked Polymers for Recyclable Photocatalysis of Enantioselective Alkylation of Aldehydes. <i>ACS Macro Letters</i> , 2020, 9, 90-95.	2.3	22
41	Morpholine or methylpiperazine and salicylaldimine based heteroleptic square planar platinum (II) complexes: In vitro anticancer study and growth retardation effect on E. Coli. <i>European Journal of Medicinal Chemistry</i> , 2017, 131, 263-274.	2.6	21
42	Porous Organic Polymers as Heterogeneous Catalysts for Visible Light-Induced Organic Transformations. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 3777.	0.6	21
43	Anion exchange-induced single-molecule dispersion of cobalt porphyrins in a cationic porous organic polymer for enhanced electrochemical CO ₂ reduction via secondary-coordination sphere interactions. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18677-18686.	5.2	20
44	Supramolecular organic frameworks improve the safety of clinically used porphyrin photodynamic agents and maintain their antitumor efficacy. <i>Biomaterials</i> , 2022, 284, 121467.	5.7	20
45	Novel phenylenediamine bridged mixed ligands dimetallic square planar Pt(II) complex inhibits MMPs expression via p53 and caspase-dependent signaling and suppress cancer metastasis and invasion. <i>European Journal of Medicinal Chemistry</i> , 2017, 125, 1064-1075.	2.6	19
46	Helical folding of an arylamide polymer in water and organic solvents of varying polarity. <i>Polymer Chemistry</i> , 2015, 6, 2955-2961.	1.9	18
47	Water-Soluble Three-Dimensional Polymers: Non-Covalent and Covalent Synthesis and Functions. <i>Chinese Journal of Chemistry</i> , 2020, 38, 970-980.	2.6	18
48	2:2 Complexes from Diphenylpyridiniums and Cucurbit[8]uril: Encapsulation-Promoted Dimerization of Electrostatically Repulsing Pyridiniums. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1312-1317.	1.7	17
49	Hydrophobically driven twist sense bias of hollow helical foldamers of aromatic hydrazide polymers in water. <i>Polymer Chemistry</i> , 2015, 6, 2382-2385.	1.9	16
50	Porous [Ru(bpy) ₃] ²⁺ -Cored Metallosupramolecular Polymers: Preparation and Recyclable Photocatalysis for the Formation of Amides and 2-Diazo-2-phenylacetates. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4885-4892.	2.0	16
51	Halogen and hydrogen bonding-driven self-assembly of supramolecular macrocycles and double helices from hydrogen-bonded arylamide foldamers. <i>CrystEngComm</i> , 2019, 21, 2626-2630.	1.3	15
52	[Fe(bpy) ₃] ²⁺ -based porous organic polymers with boosted photocatalytic activity for recyclable organic transformations. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6361-6367.	5.2	15
53	Self-assembled nanoparticles based on supramolecular-organic frameworks and temoporfin for an enhanced photodynamic therapy in vitro and in vivo. <i>Journal of Materials Chemistry B</i> , 2022, 10, 899-908.	2.9	15
54	A periodic metallo-supramolecular polymer from a flexible building block: self-assembly and photocatalysis for organic dye degradation. <i>Science China Chemistry</i> , 2019, 62, 1634-1638.	4.2	14

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55	Bipyridinium radical cation dimerization-driven polymeric pleated foldamers and a homoduplex that undergo ion-tuned interconversion. <i>Polymer Chemistry</i> , 2015, 6, 4404-4408.	1.9	13
56	Pleated polymeric foldamers driven by donor-acceptor interaction and conjugated radical cation dimerization. <i>Chinese Chemical Letters</i> , 2016, 27, 817-821.	4.8	13
57	A Woven Supramolecular Metal-Organic Framework Comprising a Ruthenium Bis(terpyridine) Complex and Cucurbit[8]uril: Enhanced Catalytic Activity toward Alcohol Oxidation. <i>ChemPlusChem</i> , 2020, 85, 1498-1503.	1.3	13
58	Gramicidin A-based unimolecular channel: cancer cell-targeting behavior and ion transport-induced apoptosis. <i>Chemical Communications</i> , 2021, 57, 1097-1100.	2.2	13
59	Synthesis and short DNA in situ loading and delivery of 4 nm-aperture flexible organic frameworks. <i>Materials Chemistry Frontiers</i> , 2021, 5, 869-875.	3.2	13
60	Guest-Induced Arylamide Polymer Helicity: Twist-Sense Bias and Solvent-Dependent Helicity Inversion. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1725-1730.	1.7	11
61	Olive-Shaped Organic Cages: Synthesis and Remarkable Promotion of Hydrazone Condensation through Encapsulation in Water. <i>Journal of Organic Chemistry</i> , 2021, 86, 3943-3951.	1.7	11
62	Cucurbit[7]uril-threaded flexible organic frameworks: Quantitative polycatenation through dynamic covalent chemistry. <i>Chinese Chemical Letters</i> , 2022, 33, 1988-1992.	4.8	10
63	Doubly, Triply and Multiply Pleated Sheets of Bipyridinium Radical Cation-Incorporated Polymers Tuned by Four Cucurbiturils. <i>ChemistrySelect</i> , 2016, 1, 6792-6796.	0.7	9
64	A Highly Stable Porous Viologen Polymer for the Catalysis of Debromination Coupling of Benzyl Bromides with High Recyclability. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1912-1918.	1.3	9
65	Synthesis of [60]Fullerene-Podophyllotoxin Derivative. <i>Chinese Journal of Chemistry</i> , 2002, 20, 1430-1433.	2.6	8
66	Anti-parallel sheet structures of side-chain-free β -, γ -, and μ -dipeptides stabilized by benzene-pentafluorobenzene stacking. <i>CrystEngComm</i> , 2014, 16, 2078-2084.	1.3	8
67	Self-Assembly of a Highly Fluorescent Three-Dimensional Supramolecular Organic Framework and Selective Sensing for Picric Acid. <i>Acta Chimica Sinica</i> , 2019, 77, 735.	0.5	8
68	Self-assembly of supramolecular polymers in water from tetracationic and tetraanionic monomers in water through cooperative electrostatic attraction and aromatic stacking. <i>Chinese Chemical Letters</i> , 2019, 30, 127-130.	4.8	7
69	Water-Soluble Porphyrin-Based Nanoparticles Derived from Electrostatic Interaction for Enhanced Photodynamic Therapy. <i>ACS Applied Bio Materials</i> , 2022, 5, 881-888.	2.3	7
70	Supramolecular polymers from coronene multicarboxylates and multipyridiniums in water stabilized by ion-pair attraction and aromatic stacking. <i>Tetrahedron</i> , 2018, 74, 2792-2796.	1.0	6
71	Unimolecular artificial transmembrane channels showing reversible ligand-gating behavior. <i>Chemical Communications</i> , 2021, 57, 863-866.	2.2	6
72	Flexible Organic Framework-Based Anthracycline Prodrugs for Enhanced Tumor Growth Inhibition. <i>ACS Applied Bio Materials</i> , 2021, 4, 4591-4597.	2.3	6

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73	A cucurbit[8]uril-stabilized 3D charge transfer supramolecular polymer with a remarkable confinement effect for enhanced photocatalytic proton reduction and thioether oxidation. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1327-1335.	2.3	6
74	Efficient Multicomponent Reaction for the Synthesis of Piperidine Derivatives: Yb(OTf) ₃ /AgOTf Cocatalyzed Preparation of Trimethyl 3,5,5-Piperidonetricarboxylate. <i>Synthetic Communications</i> , 2008, 38, 4321-4327.	1.1	5
75	Bipyridinium Polymers That Dock Tetrathiafulvalene Guests in Water Driven by Donor-acceptor and Ion Pair Interactions. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1065-1070.	1.7	5
76	Stacking of bipyridinium radical cations incorporated in rigid conjugated polymers. <i>Supramolecular Chemistry</i> , 2016, 28, 762-767.	1.5	4
77	Ion-pair electrostatic attraction-enhanced donor-acceptor interactions between the prototypic 1,4-dialkoxybenzene-viologen binding mode in water. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1039-1044.	2.3	4
78	Adsorption-Based Detoxification of Endotoxins by Porous Flexible Organic Frameworks. <i>Molecular Pharmaceutics</i> , 2022, , .	2.3	4
79	Conjugating doxorubicin to supramolecular organic frameworks: polymeric prodrugs with enhanced therapeutic efficacy and safety. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4163-4171.	2.9	4
80	A Short Helix Formed by Cyclic α -Aminoxy Peptides in Protic Solvents. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2126-2129.	1.7	3
81	Porous dynamic covalent polymers as promising reversal agents for heparin anticoagulants. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3268-3276.	2.9	3
82	Synthesis of Hydroxymethyl Side-Chained α -Aminoxy Diamide. <i>Synthetic Communications</i> , 2010, 40, 2815-2821.	1.1	2
83	Theoretical investigation on SnCl ₄ -catalyzed tandem dimerization/oxy-2-azonia-Cope rearrangements between α,β -unsaturated ketones and imines. <i>Theoretical Chemistry Accounts</i> , 2015, 134, 1.	0.5	1
84	Two-Dimensional Covalent and Supramolecular Polymers: From Monolayer to Bilayer and the Thicker. <i>Chemistry - A European Journal</i> , 2022, , .	1.7	1