

# Dan-Wei Zhang

## List of Publications by Citations

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79  
papers

2,464  
citations

24  
h-index

48  
g-index

88  
ext. papers

2,944  
ext. citations

7.7  
avg, IF

5.27  
L-index

#	Paper	IF	Citations
79	Aromatic amide foldamers: structures, properties, and functions. <i>Chemical Reviews</i> , <b>2012</b> , 112, 5271-31668.1		499
78	Three-dimensional periodic supramolecular organic framework ion sponge in water and microcrystals. <i>Nature Communications</i> , <b>2014</b> , 5, 5574	17.4	148
77	Aromatic amide and hydrazone foldamer-based responsive host-guest systems. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 1961-70	24.3	141
76	Supramolecular metal-organic frameworks that display high homogeneous and heterogeneous photocatalytic activity for H <sub>2</sub> production. <i>Nature Communications</i> , <b>2016</b> , 7, 11580	17.4	135
75	A polycationic covalent organic framework: a robust adsorbent for anionic dye pollutants. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 3392-3397	4.9	111
74	Supramolecular organic frameworks: engineering periodicity in water through host-guest chemistry. <i>Chemical Communications</i> , <b>2016</b> , 52, 6351-62	5.8	102
73	Dimerization of conjugated radical cations: an emerging non-covalent interaction for self-assembly. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 56-68	4.5	98
72	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> , <b>2014</b> , 5, 4715-4721	4.9	92
71	Supramolecular organic frameworks (SOFs): homogeneous regular 2D and 3D pores in water. <i>National Science Review</i> , <b>2017</b> , 4, 426-436	10.8	71
70	Tuning sensitivity of a simple hydrazone for selective fluorescent "turn on" chemo-sensing of Al and its application in living cells imaging. <i>Talanta</i> , <b>2017</b> , 164, 307-313	6.2	48
69	Halogen Bonding Directed Supramolecular Quadruple and Double Helices from Hydrogen-Bonded Arylamide Foldamers. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 226-230	16.4	48
68	In situ-prepared homogeneous supramolecular organic framework drug delivery systems (sof-DDSs): Overcoming cancer multidrug resistance and controlled release. <i>Chinese Chemical Letters</i> , <b>2017</b> , 28, 798-806	8.1	43
67	A three-dimensional cross-linking supramolecular polymer stabilized by the cooperative dimerization of the viologen radical cation. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 341-345	4.9	42
66	Self-assembly of three-dimensional supramolecular polymers through cooperative tetrathiafulvalene radical cation dimerization. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 575-84	4.8	40
65	pH-Responsive single-layer honeycomb supramolecular organic frameworks that exhibit antimicrobial activity. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 1861-1865	4.9	37
64	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> , <b>2017</b> , 28, 893-899	8.1	34
63	Water-Soluble Flexible Organic Frameworks That Include and Deliver Proteins. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 3577-3582	16.4	31

62	In Situ Loading and Delivery of Short Single- and Double-Stranded DNA by Supramolecular Organic Frameworks. <i>CCS Chemistry</i> , <b>2019</b> , 1, 156-165	7.2	31
61	Methionine-derived Schiff base as selective fluorescent turn-on chemosensor for Zn <sup>2+</sup> in aqueous medium and its application in living cells imaging. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 211, 544-550	8.5	30
60	Enhancing Hydrogen Generation Through Nanoconfinement of Sensitizers and Catalysts in a Homogeneous Supramolecular Organic Framework. <i>Small</i> , <b>2018</b> , 14, e1801037	11	29
59	Water-Soluble 3D Covalent Organic Framework that Displays an Enhanced Enrichment Effect of Photosensitizers and Catalysts for the Reduction of Protons to H <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 1404-1411	9.5	28
58	Postmodification of a supramolecular organic framework: visible-light-induced recyclable heterogeneous photocatalysis for the reduction of azides to amines. <i>Chemical Communications</i> , <b>2017</b> , 53, 13367-13370	5.8	27
57	Iridium complex-linked porous organic polymers for recyclable, broad-scope photocatalysis of organic transformations. <i>Green Chemistry</i> , <b>2020</b> , 22, 136-143	10	27
56	A stable metal-covalent-supramolecular organic framework hybrid: enrichment of catalysts for visible light-induced hydrogen production. <i>Science China Chemistry</i> , <b>2018</b> , 61, 830-835	7.9	26
55	Conjugated radical cation dimerization-driven generation of supramolecular architectures. <i>Chinese Chemical Letters</i> , <b>2015</b> , 26, 811-816	8.1	24
54	Hydrogen-bonding-driven aromatic foldamers: their structural and functional evolution. <i>Chemical Record</i> , <b>2015</b> , 15, 233-51	6.6	24
53	Tetrathiafulvalene-based macrocycles formed by radical cation dimerization: the role of intramolecular hydrogen bonding and solvent. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 1039-44	4.5	24
52	Intramolecular C-H...F hydrogen bonding-induced 1,2,3-triazole-based foldamers. <i>Organic Chemistry Frontiers</i> , <b>2014</b> , 1, 494-500	5.2	22
51	Supramolecular polymers and networks driven by cucurbit[8]uril-guest pair encapsulation in water. <i>Supramolecular Chemistry</i> , <b>2016</b> , 28, 769-783	1.8	21
50	Photoinduced Reaction of [60]Fullerene with Tertiary Amines: Synthesis of [60]Fulleropyrrolidines. <i>Synthetic Communications</i> , <b>1997</b> , 27, 2289-2298	1.7	21
49	Acylhydrazone as a novel off-on fluorescence probe for the sequential detection of Al <sup>3+</sup> and F <sup>-</sup> . <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 14978-14985	3.6	19
48	Dimetallic Ru(II) arene complexes appended on bis-salicylaldehyde induce cancer cell death and suppress invasion via p53-dependent signaling. <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 157, 1480-1490	6.8	19
47	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> , <b>2019</b> , 30, 1383-1386	8.1	18
46	Polymeric Tubular Aromatic Amide Helices. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1700179	4.8	17
45	Morpholine or methylpiperazine and salicylaldehyde 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> , <b>2017</b> , 131, 263-274	6.8	16

44	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> , <b>2018</b> , 143, 1039-1052	6.8	16
43	Making Molecular and Macromolecular Helical Tubes: Covalent and Noncovalent Approaches. <i>ACS Omega</i> , <b>2018</b> , 3, 5165-5176	3.9	16
42	Helical folding of an arylamide polymer in water and organic solvents of varying polarity. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 2955-2961	4.9	15
41	Novel phenylenediamine bridged mixed ligands dimetallic square planer 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> , <b>2017</b> , 125, 1064-1075	6.8	15
40	Hydrophobically driven twist sense bias of hollow helical foldamers of aromatic hydrazide polymers in water. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 2382-2385	4.9	14
39	ONS-donor ligand based Pt(II) complexes display extremely high anticancer potency through autophagic cell death pathway. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 164, 546-561	6.8	14
38	Bipyridinium radical cation dimerization-driven polymeric pleated foldamers and a homoduplex that undergo ion-tuned interconversion. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 4404-4408	4.9	13
37	Porous Ru(bpy) <sub>3</sub> <sup>2+</sup> -Linked Polymers for Recyclable Photocatalysis of Enantioselective Alkylation of Aldehydes. <i>ACS Macro Letters</i> , <b>2020</b> , 9, 90-95	6.6	13
36	2:2 Complexes from Diphenylpyridiniums and Cucurbit[8]uril: Encapsulation-Promoted Dimerization of Electrostatically Repulsing Pyridiniums. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 1312-1317	4.5	12
35	Pleated polymeric foldamers driven by donor-acceptor interaction and conjugated radical cation dimerization. <i>Chinese Chemical Letters</i> , <b>2016</b> , 27, 817-821	8.1	12
34	A pore-expanded supramolecular organic framework and its enrichment of photosensitizers and catalysts for visible-light-induced hydrogen production. <i>Organic Chemistry Frontiers</i> , <b>2019</b> , 6, 1698-1704	5.2	11
33	2,3-Cyclic Aminoxy Acids: Rigid and Ring-Size-Independent Building Blocks of Foldamers. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 6887-6890	3.6	11
32	Water-Soluble Three-Dimensional Polymers: Non-Covalent and Covalent Synthesis and Functions. <i>Chinese Journal of Chemistry</i> , <b>2020</b> , 38, 970-980	4.9	11
31	A periodic metallo-supramolecular polymer from a flexible building block: self-assembly and photocatalysis for organic dye degradation. <i>Science China Chemistry</i> , <b>2019</b> , 62, 1634-1638	7.9	10
30	Anion exchange-induced single-molecule dispersion of cobalt porphyrins in a cationic porous organic polymer for enhanced electrochemical CO <sub>2</sub> reduction via secondary-coordination sphere interactions. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 18677-18686	13	10
29	Guest-Induced Arylamide Polymer Helicity: Twist-Sense Bias and Solvent-Dependent Helicity Inversion. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 1725-30	4.5	9
28	Synthesis of [60]Fullerene-Podophyllotoxin Derivative. <i>Chinese Journal of Chemistry</i> , <b>2010</b> , 20, 1430-1433	3.9	8
27	Halogen and hydrogen bonding-driven self-assembly of supramolecular macrocycles and double helices from hydrogen-bonded arylamide foldamers. <i>CrystEngComm</i> , <b>2019</b> , 21, 2626-2630	3.3	7

26	Self-Assembly of a Highly Fluorescent Three-Dimensional Supramolecular Organic Framework and Selective Sensing for Picric Acid. <i>Acta Chimica Sinica</i> , <b>2019</b> , 77, 735	3.3	7
25	Doubly, Triply and Multiply Pleated Sheets of Bipyridinium Radical Cation-Incorporated Polymers Tuned by Four Cucurbiturils. <i>ChemistrySelect</i> , <b>2016</b> , 1, 6792-6796	1.8	7
24	Anti-parallel sheet structures of side-chain-free $\beta$ -sheet and $\alpha$ -dipeptides stabilized by benzene $\pi$ -pentafluorobenzene stacking. <i>CrystEngComm</i> , <b>2014</b> , 16, 2078-2084	3.3	6
23	Porous [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> -Cored Metallosupramolecular Polymers: Preparation and Recyclable Photocatalysis for the Formation of Amides and 2-Diazo-2-phenylacetates. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 4885-4892	4.3	6
22	Gramicidin A-based unimolecular channel: cancer cell-targeting behavior and ion transport-induced apoptosis. <i>Chemical Communications</i> , <b>2021</b> , 57, 1097-1100	5.8	6
21	[Fe(bpy) <sub>3</sub> ] <sup>2+</sup> -based porous organic polymers with boosted photocatalytic activity for recyclable organic transformations. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 6361-6367	1.3	6
20	Synthesis and short DNA in situ loading and delivery of 4 nm-aperture flexible organic frameworks. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 869-875	7.8	6
19	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> , <b>2020</b> , 85, 1498-1503	2.8	5
18	Porous Organic Polymers as Heterogeneous Catalysts for Visible Light-Induced Organic Transformations. <i>Chinese Journal of Organic Chemistry</i> , <b>2020</b> , 40, 3777	3	5
17	Bipyridinium Polymers That Dock Tetrathiafulvalene Guests in Water Driven by Donor-Acceptor and Ion Pair Interactions. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 1065-70	4.5	5
16	Ion-pair electrostatic attraction-enhanced donor-acceptor interactions between the prototypic 1,4-dialkoxybenzene-viologen binding mode in water. <i>Organic Chemistry Frontiers</i> , <b>2018</b> , 5, 1039-1044	5.2	4
15	Stacking of bipyridinium radical cations incorporated in rigid conjugated polymers. <i>Supramolecular Chemistry</i> , <b>2016</b> , 28, 762-767	1.8	4
14	Efficient Multicomponent Reaction for the Synthesis of Piperidine Derivatives: Yb(OTf) <sub>3</sub> /AgOTf Cocatalyzed Preparation of Trimethyl 3,5,5-Piperidonetricarboxylate. <i>Synthetic Communications</i> , <b>2008</b> , 38, 4321-4327	1.7	4
13	Water-soluble and dispersible porous organic polymers: preparation, functions and applications.. <i>Chemical Society Reviews</i> , <b>2021</b> ,	58.5	4
12	Flexible Organic Framework-Based Anthracycline Prodrugs for Enhanced Tumor Growth Inhibition.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 4591-4597	4.1	4
11	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> , <b>2019</b> , 30, 127-130	8.1	4
10	Supramolecular polymers from coronene multicarboxylates and multipyridiniums in water stabilized by ion-pair attraction and aromatic stacking. <i>Tetrahedron</i> , <b>2018</b> , 74, 2792-2796	2.4	3
9	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> , <b>2019</b> , 8, 1912-1918	3	3

8	A Short Helix Formed by Cyclic (2,3)-Aminoxy Peptides in Protic Solvents. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 2126-9	4.5	3
7	Self-assembled nanoparticles based on supramolecular-organic frameworks and temoporfin for an enhanced photodynamic therapy and .. <i>Journal of Materials Chemistry B</i> , <b>2022</b> ,	7.3	2
6	Olive-Shaped Organic Cages: Synthesis and Remarkable Promotion of Hydrazone Condensation through Encapsulation in Water. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 3943-3951	4.2	2
5	Supramolecular organic frameworks improve the safety of clinically used porphyrin photodynamic agents and maintain their antitumor efficacy.. <i>Biomaterials</i> , <b>2022</b> , 284, 121467	15.6	2
4	Theoretical investigation on SnCl <sub>4</sub> -catalyzed tandem dimerization/oxy-2-azonia-Cope rearrangements between $\alpha$ -unsaturated ketones and imines. <i>Theoretical Chemistry Accounts</i> , <b>2015</b> , 134, 1	1.9	1
3	Synthesis of Hydroxymethyl Side-Chained $\alpha$ -Aminoxy Diamide. <i>Synthetic Communications</i> , <b>2010</b> , 40, 2815-2821	2.1	1
2	Unimolecular artificial transmembrane channels showing reversible ligand-gating behavior. <i>Chemical Communications</i> , <b>2021</b> , 57, 863-866	5.8	1
1	Helical Foldamers from Aromatic Polymers <b>2017</b> , 1-41		