Kang-Da Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

42 papers	1,408 citations	394421 19 h-index	330143 37 g-index
45 all docs	45 docs citations	45 times ranked	1663 citing authors

#	Article	IF	Citations
1	Light-fueled dissipative self-assembly at molecular and macro-scale enabled by a visible-light-responsive transient hetero-complementary quadruple hydrogen bond. Chinese Chemical Letters, 2023, 34, 107639.	9.0	6
2	Towards photoswitchable quadruple hydrogen bonds via a reversible â€œphotolockingâ€•strategy for photocontrolled self-assembly. Chemical Science, 2021, 12, 1762-1771.	7.4	24
3	An orthogonal photoresponsive tristable [3]rotaxane with non-destructive readout. Organic Chemistry Frontiers, 2021, 8, 1482-1489.	4.5	5
4	A photogated photoswitchable [2]rotaxane based on orthogonal photoreactions. Tetrahedron, 2021, 92, 132284.	1.9	7
5	Photoâ€Controlled Macroscopic Selfâ€Assembly Based on Photoâ€Switchable Heteroâ€Complementary Quadruple Hydrogen Bonds. Chemistry - an Asian Journal, 2021, 16, 3886-3889.	3.3	7
6	A tetrachloroazobenzene based macrocycle featuring with red-light regulated encapsulation for aryl dianionic guests. Tetrahedron Letters, 2020, 61, 151389.	1.4	14
7	Viologen derivatives with extended Ï€-conjugation structures: From supra-/molecular building blocks to organic porous materials. Chinese Chemical Letters, 2020, 31, 1757-1767.	9.0	17
8	Toward a Deformable Two-Dimensional Covalent Organic Network with a Noncovalently Connected Skeleton. Chemistry of Materials, 2020, 32, 8139-8145.	6.7	4
9	Ionic Liquidâ€Based Stimuliâ€Responsive Functional Materials. Advanced Functional Materials, 2020, 30, 2005522.	14.9	74
10	Artificial Host Molecules Modifying Biomacromolecules. , 2020, , 1195-1222.		0
11	A Visibleâ€Lightâ€Induced Dynamic Mechanical Bond as a Linkage for Dynamic Materials. Angewandte Chemie, 2019, 131, 12835-12840.	2.0	8
12	A Visibleâ€Lightâ€Induced Dynamic Mechanical Bond as a Linkage for Dynamic Materials. Angewandte Chemie - International Edition, 2019, 58, 12705-12710.	13.8	13
13	Red-light-responsive molecular encapsulation in water: an ideal combination of photochemistry and hostâ€“guest interaction. Organic Chemistry Frontiers, 2019, 6, 498-505.	4.5	14
14	Artificial Host Molecules Modifying Biomacromolecules. , 2019, , 1-28.		0
15	Low-molecular-weight photoresponsive supramulecular hydrogel based on a dicationic azobenzene-bridged pyridinium hydrogelator. Chinese Chemical Letters, 2019, 30, 707-709.	9.0	10
16	Recent advances of hexaazatriphenylene (HAT) derivatives: Their applications in self-assembly and porous organic materials. Tetrahedron Letters, 2018, 59, 592-604.	1.4	28
17	Asymmetric binding of symmetric guests in a water-soluble cavitand. Supramolecular Chemistry, 2018, 30, 473-478.	1.2	8
18	Tunable Waterâ€Soluble Supramolecular Polymers by Visibleâ€Lightâ€Regulated Hostâ€“Guest Interactions. Chemistry - an Asian Journal, 2018, 13, 2818-2823.	3.3	14

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19	Toward bidirectional photoswitchable colored photochromic molecules with visible light stability. Chemical Communications, 2018, 54, 9356-9359.	4.1	15
20	Reversible conversion between a pleated oligo-tetrathiafulvalene radical foldamer and folded donorâ€“acceptor [3]pseudorotaxane under redox conditions. Chemical Communications, 2017, 53, 5396-5399.	4.1	10
21	Visible-light responsive hydrogen-bonded supramolecular polymers based on ortho-tetrafluorinated azobenzene. Polymer Chemistry, 2017, 8, 7384-7389.	3.9	30
22	The third orthogonal dynamic covalent bond. Chemical Science, 2016, 7, 4720-4724.	7.4	59
23	Dual absorption spectral changes by light-triggered shuttling in bistable [2]rotaxanes with non-destructive readout. Chemical Communications, 2016, 52, 14085-14088.	4.1	19
24	Complex Functional Systems with Three Different Types of Dynamic Covalent Bonds. Angewandte Chemie - International Edition, 2015, 54, 8980-8983.	13.8	47
25	A Deep Cavitand Templates Lactam Formation in Water. Journal of the American Chemical Society, 2015, 137, 14582-14585.	13.7	87
26	Colorful surface architectures with three different types of dynamic covalent bonds: integration of anthocyanins, tritylium ions and flavins. Organic and Biomolecular Chemistry, 2015, 13, 8687-8694.	2.8	11
27	Robust hydrogenâ€bonded capsules with stability in competitive media. Journal of Physical Organic Chemistry, 2015, 28, 187-190.	1.9	10
28	The effects of hexafluoroisopropanol on guest binding by water-soluble capsule and cavitand hosts. Chemical Communications, 2015, 51, 17604-17606.	4.1	8
29	Isomerization of coencapsulated molecules. Tetrahedron Letters, 2015, 56, 3117-3119.	1.4	1
30	Folded alkyl chains in water-soluble capsules and cavitands. Organic and Biomolecular Chemistry, 2014, 12, 6561-6563.	2.8	26
31	Encapsulation Enhanced Dimerization of a Series of 4â€Arylâ€Nâ€Methylpyridinium Derivatives in Water: New Building Blocks for Selfâ€Assembly in Aqueous Media. Chemistry - an Asian Journal, 2014, 9, 1530-1534.	3.3	36
32	Selfâ€Assembly of Threeâ€Dimensional Supramolecular Polymers through Cooperative Tetrathiafulvalene Radical Cation Dimerization. Chemistry - A European Journal, 2014, 20, 575-584.	3.3	45
33	The construction of rigid supramolecular polymers in water through the self-assembly of rod-like monomers and cucurbit[8]uril. Chemical Communications, 2014, 50, 7982-7985.	4.1	31
34	Complexation of alkyl groups and ghrelin in a deep, water-soluble cavitand. Chemical Communications, 2014, 50, 4895-4897.	4.1	36
35	Alkyl Groups Fold to Fit within a Water-Soluble Cavitand. Journal of the American Chemical Society, 2014, 136, 5264-5266.	13.7	70
36	Hydrogen-Bonded Capsules in Water. Journal of the American Chemical Society, 2013, 135, 18064-18066.	13.7	87

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37	Toward a Single-Layer Two-Dimensional Honeycomb Supramolecular Organic Framework in Water. Journal of the American Chemical Society, 2013, 135, 17913-17918.	13.7	349
38	Linear aromatic amide foldamer-derived supramolecular architectures and materials. Pure and Applied Chemistry, 2012, 84, 965-978.	1.9	12
39	Redox-Responsive Reverse Vesicles Self-Assembled by Pseudo[2]rotaxanes for Tunable Dye Release. Langmuir, 2012, 28, 14839-14844.	3.5	26
40	Foldamers in pseudo[2]rotaxanes and [2]rotaxanes: tuning the switching kinetics and metastability. Tetrahedron, 2012, 68, 4517-4527.	1.9	20
41	Foldamerâ€Tuned Switching Kinetics and Metastability of [2]Rotaxanes. Angewandte Chemie - International Edition, 2011, 50, 9866-9870.	13.8	51
42	Vesicle Self-Assembly by Tetrathiafulvalene Derivatives in Both Polar and Nonpolar Solvents and Pseudo-Rotaxane Mediated Vesicle-to-Microtube Transformation. Langmuir, 2010, 26, 6878-6882.	3.5	30