

Tian-Guang Zhan

List of Publications by Year in descending order

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45
papers

1,510
citations

430754

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docs citations

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times ranked

2127
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Construction of Covalent Organic Frameworks Bearing Three Different Kinds of Pores through the Heterostructural Mixed Linker Strategy. <i>Journal of the American Chemical Society</i> , 2016, 138, 4710-4713. | 6.6 | 249 |
| 2 | Ultrahigh volatile iodine uptake by hollow microspheres formed from a heteropore covalent organic framework. <i>Chemical Communications</i> , 2017, 53, 7266-7269. | 2.2 | 224 |
| 3 | An efficient copper-catalyzed oxidative Mannich reaction between tertiary amines and methyl ketones. <i>Chemical Communications</i> , 2009, , 953. | 2.2 | 138 |
| 4 | Diversity of Covalent Organic Frameworks (COFs): A 2D COF Containing Two Kinds of Triangular Micropores of Different Sizes. <i>ACS Macro Letters</i> , 2016, 5, 99-102. | 2.3 | 87 |
| 5 | Fluorescence enhancement through the formation of a single-layer two-dimensional supramolecular organic framework and its application in highly selective recognition of picric acid. <i>Chemical Communications</i> , 2016, 52, 7588-7591. | 2.2 | 76 |
| 6 | Ionic Liquid-Based Stimuli-Responsive Functional Materials. <i>Advanced Functional Materials</i> , 2020, 30, 2005522. | 7.8 | 74 |
| 7 | The recent advances in constructing designed electrode in lithium metal batteries. <i>Chinese Chemical Letters</i> , 2017, 28, 2171-2179. | 4.8 | 64 |
| 8 | Precision Construction of 2D Heteropore Covalent Organic Frameworks by a Multiple-Linking-Site Strategy. <i>Chemistry - A European Journal</i> , 2016, 22, 17784-17789. | 1.7 | 46 |
| 9 | Construction of 2D covalent organic frameworks by taking advantage of the variable orientation of imine bonds. <i>Chemical Communications</i> , 2017, 53, 2431-2434. | 2.2 | 46 |
| 10 | A Case Study on the Influence of Substitutes on Interlayer Stacking of 2D Covalent Organic Frameworks. <i>Chemistry - A European Journal</i> , 2017, 23, 5668-5672. | 1.7 | 38 |
| 11 | Supramolecular radical polymers self-assembled from the stacking of radical cations of rod-like viologen di- and trimers. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1635-1645. | 2.3 | 34 |
| 12 | The construction of rigid supramolecular polymers in water through the self-assembly of rod-like monomers and cucurbit[8]uril. <i>Chemical Communications</i> , 2014, 50, 7982-7985. | 2.2 | 31 |
| 13 | Visible-light responsive hydrogen-bonded supramolecular polymers based on <i>ortho</i> -tetrafluorinated azobenzene. <i>Polymer Chemistry</i> , 2017, 8, 7384-7389. | 1.9 | 30 |
| 14 | Recent advances of hexaazatriphenylene (HAT) derivatives: Their applications in self-assembly and porous organic materials. <i>Tetrahedron Letters</i> , 2018, 59, 592-604. | 0.7 | 28 |
| 15 | Highly selective recognition of fluoride anion through direct deprotonation of intramolecularly hydrogen-bonded phenolic hydroxyl groups. <i>Tetrahedron Letters</i> , 2013, 54, 5039-5042. | 0.7 | 26 |
| 16 | Towards photoswitchable quadruple hydrogen bonds via a reversible photoclocking strategy for photocontrolled self-assembly. <i>Chemical Science</i> , 2021, 12, 1762-1771. | 3.7 | 24 |
| 17 | Hydrogen bonding-driven highly stable homoduplexes formed by benzene/naphthalene amide oligomers. <i>Organic Chemistry Frontiers</i> , 2014, 1, 73-78. | 2.3 | 21 |
| 18 | Dual absorption spectral changes by light-triggered shuttling in bistable [2]rotaxanes with non-destructive readout. <i>Chemical Communications</i> , 2016, 52, 14085-14088. | 2.2 | 19 |

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|----|---|-----|-----------|
| 19 | Self-Assembly of Chiral Propeller-like Supramolecules with Unusual "Sergeants" and "Soldiers" and "Majority" Rules Effects. <i>Chemistry - an Asian Journal</i> , 2014, 9, 754-758. | 1.7 | 17 |
| 20 | Viologen derivatives with extended π -conjugation structures: From supra-/molecular building blocks to organic porous materials. <i>Chinese Chemical Letters</i> , 2020, 31, 1757-1767. | 4.8 | 17 |
| 21 | Toward bidirectional photoswitchable colored photochromic molecules with visible light stability. <i>Chemical Communications</i> , 2018, 54, 9356-9359. | 2.2 | 15 |
| 22 | Tunable Water-Soluble Supramolecular Polymers by Visible-Light-Regulated Host-Guest Interactions. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2818-2823. | 1.7 | 14 |
| 23 | Red-light-responsive molecular encapsulation in water: an ideal combination of photochemistry and host-guest interaction. <i>Organic Chemistry Frontiers</i> , 2019, 6, 498-505. | 2.3 | 14 |
| 24 | A tetrachloroazobenzene based macrocycle featuring with red-light regulated encapsulation for aryl dianionic guests. <i>Tetrahedron Letters</i> , 2020, 61, 151389. | 0.7 | 14 |
| 25 | A highly selective chemosensor for the detection of Cu ²⁺ through the formation of coordination polymer. <i>Tetrahedron Letters</i> , 2014, 55, 6486-6489. | 0.7 | 13 |
| 26 | A Visible-Light-Induced Dynamic Mechanical Bond as a Linkage for Dynamic Materials. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12705-12710. | 7.2 | 13 |
| 27 | Toward a Two-Dimensional Supramolecular Organic Framework with High Degree of Internal Order via Amphiphilic Modification. <i>CCS Chemistry</i> , 2022, 4, 141-150. | 4.6 | 13 |
| 28 | Synthesis, properties, and self-assembly of 2,3-bis(n-octyl)hexaazatriphenylene. <i>Chinese Chemical Letters</i> , 2013, 24, 453-456. | 4.8 | 11 |
| 29 | The construction of supramolecular polymers through anion bridging: from frustrated hydrogen-bonding networks to well-ordered linear arrays. <i>Polymer Chemistry</i> , 2015, 6, 7586-7593. | 1.9 | 11 |
| 30 | A thiophene-derived hexaazatriphenylene (HAT) fluorescent sensor for the selective detection of Ag ⁺ ion. <i>Tetrahedron Letters</i> , 2021, 68, 152911. | 0.7 | 11 |
| 31 | Reversible conversion between a pleated oligo-tetrathiafulvalene radical foldamer and folded donor-acceptor [3]pseudorotaxane under redox conditions. <i>Chemical Communications</i> , 2017, 53, 5396-5399. | 2.2 | 10 |
| 32 | Low-molecular-weight photoresponsive supramolecular hydrogel based on a dicationic azobenzene-bridged pyridinium hydrogelator. <i>Chinese Chemical Letters</i> , 2019, 30, 707-709. | 4.8 | 10 |
| 33 | Oligo(quinolineethynylene)s: synthesis, properties, and Ag ⁺ -mediated complanation. <i>Chemical Communications</i> , 2011, 47, 1524-1526. | 2.2 | 9 |
| 34 | A Visible-Light-Induced Dynamic Mechanical Bond as a Linkage for Dynamic Materials. <i>Angewandte Chemie</i> , 2019, 131, 12835-12840. | 1.6 | 8 |
| 35 | A photogated photoswitchable [2]rotaxane based on orthogonal photoreactions. <i>Tetrahedron</i> , 2021, 92, 132284. | 1.0 | 7 |
| 36 | Photo-Controlled Macroscopic Self-Assembly Based on Photo-Switchable Hetero-Complementary Quadruple Hydrogen Bonds. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3886-3889. | 1.7 | 7 |

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|----|--|-----|-----------|
| 37 | p-Phenyleneethynylene-based comb-like oligomers: the synthesis and self-assembling property. <i>Tetrahedron</i> , 2012, 68, 5303-5310. | 1.0 | 6 |
| 38 | Donor-acceptor interaction-driven folding of linear naphthalene-glycol oligomers templated by a rigid bipyridinium rod. <i>Organic Chemistry Frontiers</i> , 2015, 2, 1578-1583. | 2.3 | 6 |
| 39 | Light-fueled dissipative self-assembly at molecular and macro-scale enabled by a visible-light-responsive transient hetero-complementary quadruple hydrogen bond. <i>Chinese Chemical Letters</i> , 2023, 34, 107639. | 4.8 | 6 |
| 40 | Wholly-rigid rod-rod amphiphiles: synthesis, crystal structures, and self-assembling behavior in water. <i>Tetrahedron</i> , 2014, 70, 2251-2256. | 1.0 | 5 |
| 41 | An orthogonal photoresponsive tristable [3]rotaxane with non-destructive readout. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1482-1489. | 2.3 | 5 |
| 42 | Synthesis, Photophysical and Electrochemical Properties, and Self-assembly Behavior of Two Hexaazatriphenylene Derivatives: A Single Bond Makes a Big Difference. <i>Chemistry - an Asian Journal</i> , 2016, 11, 839-843. | 1.7 | 4 |
| 43 | Toward a Deformable Two-Dimensional Covalent Organic Network with a Noncovalently Connected Skeleton. <i>Chemistry of Materials</i> , 2020, 32, 8139-8145. | 3.2 | 4 |
| 44 | Construction of Vesicles, Micro/Nanorods and Ultralong Nanotubes through the Self-assembly of Non-Classical Amphiphiles with Rigid Conformation. <i>Chinese Journal of Chemistry</i> , 2017, 35, 429-434. | 2.6 | 3 |
| 45 | Proton-Anion Ion-pair Recognition by a Hexaazatriphenylene-Hexaurea Receptor. <i>Chinese Journal of Chemistry</i> , 2017, 35, 392-396. | 2.6 | 2 |