

Tangxin Xiao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3767243/publications.pdf>

Version: 2024-02-01

55
papers

3,489
citations

201385

27
h-index

182168

51
g-index

57
all docs

57
docs citations

57
times ranked

2836
citing authors

#	ARTICLE	IF	CITATIONS
1	pH-Responsive Supramolecular Vesicles Based on Water-Soluble Pillar[6]arene and Ferrocene Derivative for Drug Delivery. <i>Journal of the American Chemical Society</i> , 2013, 135, 10542-10549.	6.6	605
2	Advanced supramolecular polymers constructed by orthogonal self-assembly. <i>Chemical Society Reviews</i> , 2012, 41, 5950.	18.7	355
3	Dynamic Supramolecular Complexes Constructed by Orthogonal Self-Assembly. <i>Accounts of Chemical Research</i> , 2014, 47, 2041-2051.	7.6	212
4	Pillar[5]arene-based polymeric architectures constructed by orthogonal supramolecular interactions. <i>Chemical Communications</i> , 2012, 48, 8529.	2.2	168
5	Warm/cool-tone switchable thermochromic material for smart windows by orthogonally integrating properties of pillar[6]arene and ferrocene. <i>Nature Communications</i> , 2018, 9, 1737.	5.8	163
6	Novel Pillar[5]arene-Based Dynamic Polyrotaxanes Interlocked by the Quadruple Hydrogen Bonding Ureidopyrimidinone Motif. <i>Organic Letters</i> , 2012, 14, 4826-4829.	2.4	139
7	Artificial light-harvesting systems fabricated by supramolecular host-guest interactions. <i>Chinese Chemical Letters</i> , 2019, 30, 31-36.	4.8	119
8	Pillar[5]arene-based supramolecular polypseudorotaxanes constructed from quadruple hydrogen bonding. <i>Polymer Chemistry</i> , 2012, 3, 3060.	1.9	113
9	Supramolecular polymers fabricated by orthogonal self-assembly based on multiple hydrogen bonding and macrocyclic host-guest interactions. <i>Chinese Chemical Letters</i> , 2020, 31, 1-9.	4.8	101
10	Stimuli-responsive nanocarriers constructed from pillar[5]arene-based supra-amphiphiles. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1973-1993.	3.2	98
11	Formation of polypseudorotaxane networks by cross-linking the quadruple hydrogen bonded linear supramolecular polymers via bisparaquat molecules. <i>Chemical Communications</i> , 2011, 47, 10755.	2.2	97
12	Dynamic hydrogels mediated by macrocyclic host-guest interactions. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1526-1540.	2.9	87
13	New linear supramolecular polymers that are driven by the combination of quadruple hydrogen bonding and crown ether-paraquat recognition. <i>Chemical Communications</i> , 2011, 47, 6903.	2.2	85
14	New Light on the Ring-Chain Equilibrium of a Hydrogen-Bonded Supramolecular Polymer Based on a Photochromic Dithienylethene Unit and its Energy Transfer Properties as a Storage Material. <i>Chemistry - A European Journal</i> , 2011, 17, 10716-10723.	1.7	72
15	An efficient artificial light-harvesting system with tunable emission in water constructed from a H-bonded AIE supramolecular polymer and Nile Red. <i>Chemical Communications</i> , 2020, 56, 12021-12024.	2.2	70
16	Supramolecular vesicles based on pillar[5]arenes: design, construction, and applications. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1336-1350.	1.5	68
17	Novel self-assembled dynamic [2]catenanes interlocked by the quadruple hydrogen bonding ureidopyrimidinone motif. <i>Chemical Science</i> , 2012, 3, 1417.	3.7	66
18	Recent advances of functional gels controlled by pillar[n]arene-based host-guest interactions. <i>Tetrahedron Letters</i> , 2018, 59, 1172-1182.	0.7	61

#	ARTICLE	IF	CITATIONS
19	Dynamic materials fabricated from water soluble pillar[n]arenes bearing triethylene oxide groups. Chinese Chemical Letters, 2019, 30, 271-276.	4.8	57
20	Supramolecular polymer-directed light-harvesting system based on a stepwise energy transfer cascade. Chemical Communications, 2021, 57, 5782-5785.	2.2	54
21	Cobalt-catalyzed Direct Amination of Arenes with Alkylamines via Bidentate Chelation Assistance. Advanced Synthesis and Catalysis, 2016, 358, 2707-2711.	2.1	52
22	Switchable supramolecular polymers from the orthogonal self-assembly of quadruple hydrogen bonding and benzo-21-crown-7 secondary ammonium salt recognition. Chemical Communications, 2013, 49, 8329.	2.2	49
23	Highly Controllable Ring-chain Equilibrium in Quadruply Hydrogen Bonded Supramolecular Polymers. Macromolecules, 2012, 45, 9585-9594.	2.2	48
24	An artificial light-harvesting system based on the ESIP/AIE-FRET triple fluorescence mechanism. Journal of Materials Chemistry A, 2022, 10, 8528-8534.	5.2	46
25	Preparation of a fixed-tetraphenylethylene motif bridged ditopic benzo-21-crown-7 and its application for constructing AIE supramolecular polymers. Chinese Chemical Letters, 2021, 32, 1377-1380.	4.8	37
26	An ultralow-acceptor-content supramolecular light-harvesting system for white-light emission. Chemical Communications, 2022, 58, 2343-2346.	2.2	36
27	Advanced Functional Materials Constructed from Pillar[n]arenes. Israel Journal of Chemistry, 2018, 58, 1219-1229.	1.0	35
28	Writable and Self-Erasable Hydrogel Based on Dissipative Assembly Process from Multiple Carboxyl Tetraphenylethylene Derivative. , 2020, 2, 425-429.		34
29	Biomimetic folding of small organic molecules driven by multiple non-covalent interactions. Organic Chemistry Frontiers, 2019, 6, 936-941.	2.3	30
30	An AIE singlet oxygen generation system based on supramolecular strategy. Chinese Chemical Letters, 2021, 32, 1381-1384.	4.8	29
31	Calix[4]arene containing thiourea and coumarin functionality as highly selective fluorescent and colorimetric chemosensor for fluoride ion. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 200, 307-312.	2.0	28
32	Field-amplified sample injection for the determination of albumin and transferrin in human urines by MEKC. Electrophoresis, 2009, 30, 668-673.	1.3	25
33	Acid/base-controllable fluorescent molecular switches based on cryptands and basic N-heteroaromatics. Chemical Communications, 2017, 53, 11838-11841.	2.2	25
34	Supramolecular polymerization and cyclization of dioxynaphthalene motif bridged bifunctional UPys: minor variations in the molecular skeleton and drastic differences in self-assembly. Materials Chemistry Frontiers, 2019, 3, 2738-2745.	3.2	25
35	Acetal-based spirocyclic skeleton bridged tetraphenylethylene dimer for light-harvesting in water with ultrahigh antenna effect. Dyes and Pigments, 2021, 188, 109161.	2.0	23
36	Oxo-spirocyclic structure bridged ditopic Schiff base: A turn-on fluorescent probe for selective recognition of Zn(II) and its application in biosensing. Dyes and Pigments, 2018, 149, 921-926.	2.0	22

#	ARTICLE	IF	CITATIONS
37	Ring-opening supramolecular polymerization controlled by orthogonal non-covalent interactions. <i>Polymer Chemistry</i> , 2019, 10, 3342-3350.	1.9	22
38	A tunable artificial light-harvesting system based on host-guest interaction exhibiting ultrahigh antenna effect and narrowed emission band. <i>Materials Today Chemistry</i> , 2022, 24, 100833.	1.7	22
39	Determination of triptonide by cloud point extraction combined with MEKC. <i>Journal of Separation Science</i> , 2008, 31, 865-871.	1.3	15
40	Supramolecular Copolymers Driven by Quadruple Hydrogen Bonding and Host-Guest Interactions. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 944.	0.6	15
41	Efficient artificial light-harvesting system constructed from supramolecular polymers with AIE property. <i>RSC Advances</i> , 2021, 11, 30041-30045.	1.7	14
42	Reversible hydrogen-bonded polymerization regulated by allosteric metal templation. <i>Chemical Communications</i> , 2020, 56, 14385-14388.	2.2	10
43	Asymmetric Michael addition reactions catalyzed by calix[4]thiourea cyclohexanediamine derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1901-1907.	1.3	9
44	$\hat{1}^2$ -D-Galactose-Functionalized Pillar[5]arene With Interesting Planar-Chirality for Constructing Chiral Nanoparticles. <i>Frontiers in Chemistry</i> , 2019, 7, 743.	1.8	9
45	Self-Assembled Fluorescent Nanoparticles with Tunable LCST Behavior in Water. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	9
46	Editorial: Host-Guest Chemistry of Macrocycles. <i>Frontiers in Chemistry</i> , 2020, 8, 628200.	1.8	8
47	Supramolecular Polymers With AIE Property Fabricated From a Cyanostilbene Motif-Derived Ditopic Benzo-21-Crown-7 and a Ditopic Dialkylammonium Salt. <i>Frontiers in Chemistry</i> , 2020, 8, 610093.	1.8	7
48	Novel Macrocycles Bearing Dithienylethene Units and Urea Functional Groups: Synthesis, Structure and Photochromic Property. <i>Chinese Journal of Chemistry</i> , 2013, 31, 627-634.	2.6	5
49	Supramolecular Self-Assembly of Dioxyphenylene Bridged Ureidopyrimidinone Derivatives. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 3847.	0.6	4
50	Hydrogen-Bonded Supramolecular Polymers. <i>Lecture Notes in Quantum Chemistry II</i> , 2015, , 321-350.	0.3	2
51	Supramolecular Functional Complexes Constructed by Orthogonal Self-Assembly. , 2019, , 1-28.		1
52	Systems Based on Calixarenes for the Creation of Catalysts. <i>Series on Chemistry, Energy and the Environment</i> , 2020, , 117-148.	0.3	1
53	Supramolecular Functional Complexes Constructed by Orthogonal Self-Assembly. , 2020, , 1317-1344.		1
54	Synthesis and crystal structure of trifluoromethyl-containing bendamustine hydrochloride. <i>Journal of Chemical Research</i> , 2019, 43, 386-391.	0.6	0

#	ARTICLE	IF	CITATIONS
55	Editorial: Suprastars of Chemistry. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	0