

Xiao-Yu Hu

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	The emerging applications of pillararene architectures in supramolecular catalysis. Chinese Chemical Letters, 2022, 33, 89-96.	4.8	44
2	The construction of aggregation-induced charge transfer emission systems in aqueous solution directed by supramolecular strategy. Chinese Chemical Letters, 2022, 33, 1975-1978.	4.8	18
3	Supramolecular Nanohelix Fabricated by Pillararene-Based Host-Guest System for Chirality Amplification, Transfer, and Circularly Polarized Luminescence in Water. CCS Chemistry, 2022, 4, 3426-3439.	4.6	15
4	Tetraphenylethylene-embedded pillar[5]arene-based orthogonal self-assembly for efficient photocatalysis in water. Beilstein Journal of Organic Chemistry, 2022, 18, 429-437.	1.3	10
5	Tetraphenylethylene-embedded [1 ₅]paracyclophanes: AI-Egen and macrocycle merged novel supramolecular hosts used for sensing Ni ²⁺ ions. Chemical Communications, 2022, 58, 6196-6199.	2.2	9
6	Orthogonal Design of Supramolecular Prodrug Vesicles via Water-Soluble Pillar[5]arene and Betulinic Acid Derivative for Dual Chemotherapy. ACS Applied Bio Materials, 2022, 5, 3320-3328.	2.3	14
7	Role of Functionalized Pillararene Architectures in Supramolecular Catalysis. Angewandte Chemie - International Edition, 2021, 60, 9205-9214.	7.2	75
8	An AIE singlet oxygen generation system based on supramolecular strategy. Chinese Chemical Letters, 2021, 32, 1381-1384.	4.8	29
9	Role of Functionalized Pillararene Architectures in Supramolecular Catalysis. Angewandte Chemie, 2021, 133, 9289-9298.	1.6	8
10	Highly efficient artificial light-harvesting systems constructed in aqueous solution for supramolecular photocatalysis. Green Synthesis and Catalysis, 2021, 2, 32-37.	3.7	43
11	Orthogonal Design of a Water-Soluble <i>meso</i> -Tetraphenylethylene-Functionalized Pillar[5]arene with Aggregation-Induced Emission Property and Its Therapeutic Application. ACS Applied Materials & Interfaces, 2021, 13, 37466-37474.	4.0	51
12	Insight into functionalized-macrocycles-guided supramolecular photocatalysis. Beilstein Journal of Organic Chemistry, 2021, 17, 139-155.	1.3	20
13	Influence of water-soluble pillararene hosts on Kemp elimination. RSC Advances, 2021, 11, 38115-38119.	1.7	3
14	Artificial light-harvesting systems based on macrocycle-assisted supramolecular assembly in aqueous media. Chemical Communications, 2021, 57, 13641-13654.	2.2	58
15	A Supramolecular Artificial Light-Harvesting System with Two-Step Sequential Energy Transfer for Photochemical Catalysis. Angewandte Chemie - International Edition, 2020, 59, 10095-10100.	7.2	204
16	Control of secondary structure and morphology of peptide-guanidiniocarbonylpyrrole conjugates by variation of the chain length. Chinese Chemical Letters, 2020, 31, 1239-1242.	4.8	11
17	Binary/ternary memory behavior of organo-solubility polyimides containing flexible imide linkages and pendent triphenylamine or 3, 4, 5-trifluorobenzene moieties. European Polymer Journal, 2020, 125, 109473.	2.6	16
18	A Supramolecular Stabilizer of the 14-3-3/ERK1 Protein-Protein Interaction with a Synergistic Mode of Action. Angewandte Chemie - International Edition, 2020, 59, 5284-5287.	7.2	15

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19	Macrocycles-assisted polymeric self-assemblies fabricated by host-guest complexation and their applications. <i>Materials Advances</i> , 2020, 1, 2646-2662.	2.6	10
20	Supramolecular Strategies for Controlling Reactivity within Confined Nanospaces. <i>Angewandte Chemie</i> , 2020, 132, 13816-13825.	1.6	28
21	Supramolecular Strategies for Controlling Reactivity within Confined Nanospaces. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13712-13721.	7.2	94
22	Asymmetric Michael addition reactions catalyzed by a novel upper-rim functionalized calix[4]squaramide organocatalyst. <i>Chinese Chemical Letters</i> , 2020, 31, 3259-3262.	4.8	14
23	Synthesis and characterization of novel phosphorescent host materials based on triphenylpyridine derivatives. <i>Chemical Papers</i> , 2020, 74, 2145-2152.	1.0	4
24	A highly efficient artificial light-harvesting system with two-step sequential energy transfer based on supramolecular self-assembly. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9590-9596.	5.2	104
25	The construction of an AIE-based controllable singlet oxygen generation system directed by a supramolecular strategy. <i>Chemical Communications</i> , 2020, 56, 7301-7304.	2.2	27
26	Research Advances of Host-Guest Supramolecular Self-Assemblies with Aggregation-Induced Emission Effect and Their Applications in Biomedical Field. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 1823.	0.6	14
27	General Strategies in Modulating Reactivity within Well-Defined Supramolecular Nanospaces. <i>Series on Chemistry, Energy and the Environment</i> , 2020, , 1-27.	0.3	0
28	Artificial light-harvesting systems fabricated by supramolecular host-guest interactions. <i>Chinese Chemical Letters</i> , 2019, 30, 31-36.	4.8	119
29	Bifunctional supramolecular prodrug vesicles constructed from a camptothecin derivative with a water-soluble pillar[5]arene for cancer diagnosis and therapy. <i>Chemical Communications</i> , 2019, 55, 10892-10895.	2.2	42
30	β -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
31	Supramolecular vesicles based on pillar[5]arenes: design, construction, and applications. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1336-1350.	1.5	68
32	A Branched Tripeptide with an Anion-Binding Motif as a New Delivery Carrier for Efficient Gene Transfection. <i>ChemBioChem</i> , 2019, 20, 1410-1416.	1.3	28
33	Dual acid-responsive bola-type supramolecular vesicles for efficient intracellular anticancer drug delivery. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3944-3949.	2.9	34
34	Supramolecular strategy for smart windows. <i>Chemical Communications</i> , 2019, 55, 4137-4149.	2.2	85
35	Highly Efficient Artificial Light-Harvesting Systems Constructed in Aqueous Solution Based on Supramolecular Self-Assembly. <i>Angewandte Chemie</i> , 2018, 130, 3217-3221.	1.6	59
36	Highly Efficient Artificial Light-Harvesting Systems Constructed in Aqueous Solution Based on Supramolecular Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3163-3167.	7.2	264

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37	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
38	Two sides to supramolecular drug delivery systems. <i>Supramolecular Chemistry</i> , 2018, 30, 664-666.	1.5	5
39	Advanced Functional Materials Constructed from Pillar[n]arenes. <i>Israel Journal of Chemistry</i> , 2018, 58, 1219-1229.	1.0	35
40	From Supramolecular Vesicles to Micelles: Controllable Construction of Tumor-Targeting Nanocarriers Based on Host-Guest Interaction between a Pillar[5]arene-Based Prodrug and a RGD-Sulfonate Guest. <i>Small</i> , 2018, 14, e1803952.	5.2	67
41	Insulin Delivery Platforms: Multiresponsive Supramolecular Theranostic Nanoplatform Based on Pillar[5]arene and Diphenylboronic Acid Derivatives for Integrated Glucose Sensing and Insulin Delivery (<i>Small</i> 38/2018). <i>Small</i> , 2018, 14, 1870176.	5.2	0
42	Full-Color Tunable Fluorescent and Chemiluminescent Supramolecular Nanoparticles for Anti-counterfeiting Inks. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39214-39221.	4.0	137
43	Sunlight-Induced Photo-Thermochromic Supramolecular Nanocomposite Hydrogel Film for Energy-Saving Smart Window. <i>Solar Rrl</i> , 2018, 2, 1800204.	3.1	66
44	Dimensional control of supramolecular assemblies of diacetylene-derived peptide gemini amphiphile: from spherical micelles to foamlike networks. <i>Soft Matter</i> , 2018, 14, 5565-5571.	1.2	8
45	Formation of Twisted Sheet Tapes from a Self-Complementary Peptide Based on Novel Pillararene-GCP Host-Guest Interaction with Gene Transfection Properties. <i>Chemistry - A European Journal</i> , 2018, 24, 9754-9759.	1.7	22
46	Construction of drug-drug conjugate supramolecular nanocarriers based on water-soluble pillar[6]arene for combination chemotherapy. <i>Chemical Communications</i> , 2018, 54, 9462-9465.	2.2	64
47	Multiresponsive Supramolecular Theranostic Nanoplatform Based on Pillar[5]arene and Diphenylboronic Acid Derivatives for Integrated Glucose Sensing and Insulin Delivery. <i>Small</i> , 2018, 14, e1801942.	5.2	59
48	Recent Advances in Closed-Loop and Smart Insulin Delivery Systems. <i>Chinese Journal of Organic Chemistry</i> , 2018, 38, 29.	0.6	1
49	Dual-Responsive Bola-Type Supra-Amphiphile Constructed from Water-Soluble Pillar[5]arene and Naphthalimide-Containing Amphiphile for Intracellular Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4843-4850.	4.0	75
50	Glucose-Responsive Supramolecular Vesicles Based on Water-Soluble Pillar[5]arene and Pyridylboronic Acid Derivatives for Controlled Insulin Delivery. <i>Chemistry - A European Journal</i> , 2017, 23, 6605-6614.	1.7	60
51	Thermo- and oxidation-responsive supramolecular vesicles constructed from self-assembled pillar[6]arene-ferrocene based amphiphilic supramolecular diblock copolymers. <i>Polymer Chemistry</i> , 2017, 8, 682-688.	1.9	57
52	Acid/base-controllable fluorescent molecular switches based on cryptands and basic N-heteroaromatics. <i>Chemical Communications</i> , 2017, 53, 11838-11841.	2.2	25
53	Morphology-Dependent Cell Imaging by Using a Self-Assembled Diacetylene Peptide Amphiphile. <i>Angewandte Chemie</i> , 2017, 129, 14718-14722.	1.6	9
54	Morphology-Dependent Cell Imaging by Using a Self-Assembled Diacetylene Peptide Amphiphile. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14526-14530.	7.2	40

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55	Supramolecular polymersomes constructed from water-soluble pillar[5]arene and cationic poly(glutamamide)s and their applications in targeted anticancer drug delivery. <i>Polymer Chemistry</i> , 2017, 8, 5718-5725.	1.9	45
56	GSH-Responsive supramolecular nanoparticles constructed by β -galactose-modified pillar[5]arene and camptothecin prodrug for targeted anticancer drug delivery. <i>Chemical Communications</i> , 2017, 53, 8596-8599.	2.2	81
57	Stable pillar[5]arene-based pseudo[1]rotaxanes formed in polar solution. <i>Chinese Chemical Letters</i> , 2016, 27, 1655-1660.	4.8	28
58	Dramatically Promoted Swelling of a Hydrogel by Pillar[6]arene-Ferrocene Complexation with Multistimuli Responsiveness. <i>Journal of the American Chemical Society</i> , 2016, 138, 6643-6649.	6.6	196
59	Photolysis of a bola-type supra-amphiphile promoted by water-soluble pillar[5]arene-induced assembly. <i>Chemical Communications</i> , 2016, 52, 10751-10754.	2.2	32
60	Near-Infrared-Triggered Azobenzene-Liposome/Upconversion Nanoparticle Hybrid Vesicles for Remotely Controlled Drug Delivery to Overcome Cancer Multidrug Resistance. <i>Advanced Materials</i> , 2016, 28, 9341-9348.	11.1	279
61	Controllable Construction of Biocompatible Supramolecular Micelles and Vesicles by Water-Soluble Phosphate Pillar[5,6]arenes for Selective Anti-Cancer Drug Delivery. <i>Chemistry of Materials</i> , 2016, 28, 3778-3788.	3.2	119
62	Stimuli-responsive supramolecular gel constructed by pillar[5]arene-based pseudo[2]rotaxanes via orthogonal metal-ligand coordination and hydrogen bonding interaction. <i>Organic Chemistry Frontiers</i> , 2016, 3, 966-970.	2.3	48
63	Supramolecular Drug Delivery Systems Based on Water-Soluble Pillar[5]arenes. <i>Chemical Record</i> , 2016, 16, 1216-1227.	2.9	66
64	Supramolecular Prodrug Micelles Constructed by Drug-Drug Conjugate with Water Soluble Pillar[6]arene for Controllable and Rapid Drug Release. <i>Chinese Journal of Chemistry</i> , 2015, 33, 329-334.	2.6	19
65	FRET-capable supramolecular polymers based on a BODIPY-bridged pillar[5]arene dimer with BODIPY guests for mimicking the light-harvesting system of natural photosynthesis. <i>Chemical Communications</i> , 2015, 51, 4643-4646.	2.2	134
66	Supramolecular Nanoparticles Constructed by DOX-Based Prodrug with Water-Soluble Pillar[6]arene for Self-Catalyzed Rapid Drug Release. <i>Chemistry of Materials</i> , 2015, 27, 1110-1119.	3.2	91
67	pH-Responsive supramolecular vesicles assembled by water-soluble pillar[5]arene and a BODIPY photosensitizer for chemo-photodynamic dual therapy. <i>Chemical Communications</i> , 2015, 51, 14381-14384.	2.2	122
68	Responsive Gel-like Supramolecular Network Based on Pillar[6]arene-Ferrocenium Recognition Motifs in Polymeric Matrix. <i>Macromolecules</i> , 2015, 48, 4403-4409.	2.2	85
69	A novel dynamic pseudo[1]rotaxane based on a mono-biotin-functionalized pillar[5]arene. <i>Organic Chemistry Frontiers</i> , 2015, 2, 1013-1017.	2.3	38
70	GSH- and pH-responsive drug delivery system constructed by water-soluble pillar[5]arene and lysine derivative for controllable drug release. <i>Chemical Communications</i> , 2015, 51, 6832-6835.	2.2	118
71	Well-Defined Pillararene-Based Azobenzene Liquid Crystalline Photoresponsive Materials and Their Thin Films with Photomodulated Surfaces. <i>Advanced Functional Materials</i> , 2015, 25, 3571-3580.	7.8	85
72	Controllable Fabrication of Various Supramolecular Nanostructures Based on Nonamphiphilic Azobenzene Derivatives and Pillar[6]arene. <i>Chinese Journal of Chemistry</i> , 2015, 33, 107-111.	2.6	15

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73	Pf π O functional group-containing cryptands: from supramolecular complexes to poly[2]pseudorotaxanes. <i>Chemical Communications</i> , 2015, 51, 2667-2670.	2.2	18
74	A Ferrocene π -Functionalized Bistable [2]Rotaxane with Switchable Fluorescence. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 221-225.	1.3	17
75	Dual Photo π -and pH π -Responsive Supramolecular Nanocarriers Based on Water π -Soluble Pillar[6]arene and Different Azobenzene Derivatives for Intracellular Anticancer Drug Delivery. <i>Chemistry - A European Journal</i> , 2015, 21, 1208-1220.	1.7	95
76	Supramolecular Polymers based on Pillararenes. <i>Monographs in Supramolecular Chemistry</i> , 2015, , 157-186.	0.2	0
77	Dynamic self-inclusion behavior of pillar[5]arene-based pseudo[1]rotaxanes. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1079.	1.5	51
78	The self-complexation of mono-urea-functionalized pillar[5]arenes with abnormal urea behaviors. <i>Chemical Communications</i> , 2014, 50, 1317-1319.	2.2	53
79	Multistimuli-Responsive Supramolecular Vesicles Based on Water-Soluble Pillar[6]arene and SAINT Complexation for Controllable Drug Release. <i>Journal of the American Chemical Society</i> , 2014, 136, 10762-10769.	6.6	323
80	Dynamic Supramolecular Complexes Constructed by Orthogonal Self-Assembly. <i>Accounts of Chemical Research</i> , 2014, 47, 2041-2051.	7.6	212
81	Controllable aggregation-induced emission based on a tetraphenylethylene-functionalized pillar[5]arene via host π -guest recognition. <i>Chemical Communications</i> , 2014, 50, 9122-9125.	2.2	110
82	Recent Advances of (Pseudo) Rotaxanes Constructed by Pillar[5]arenes. <i>Chinese Journal of Organic Chemistry</i> , 2014, 34, 437.	0.6	16
83	Pillar[5]arene-based supramolecular polypseudorotaxane polymer networks constructed by orthogonal self-assembly. <i>Polymer Chemistry</i> , 2013, 4, 4292.	1.9	100
84	Pillar[5]arene-based side-chain polypseudorotaxanes as an anion-responsive fluorescent sensor. <i>Polymer Chemistry</i> , 2013, 4, 2224.	1.9	101
85	Phosphine oxide functional group based three-station molecular shuttle. <i>Chemical Science</i> , 2013, 4, 1701.	3.7	63
86	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
87	A novel redox-responsive pillar[6]arene-based inclusion complex with a ferrocenium guest. <i>Chemical Communications</i> , 2013, 49, 5085.	2.2	132
88	A pillar[5]arene-based side-chain pseudorotaxanes and polypseudorotaxanes as novel fluorescent sensors for the selective detection of halogen ions. <i>Chinese Chemical Letters</i> , 2013, 24, 987-992.	4.8	37
89	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
90	Pillar[5]arene-based supramolecular polypseudorotaxanes constructed from quadruple hydrogen bonding. <i>Polymer Chemistry</i> , 2012, 3, 3060.	1.9	113

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91	Novel [2]pseudorotaxanes constructed by self-assembly of bis-urea-functionalized pillar[5]arene and linear alkyl dicarboxylates. <i>Chemical Communications</i> , 2012, 48, 8532.	2.2	112
92	Highly Controllable Ring-Chain Equilibrium in Quadruply Hydrogen Bonded Supramolecular Polymers. <i>Macromolecules</i> , 2012, 45, 9585-9594.	2.2	48
93	Pillar[5]arene-based polymeric architectures constructed by orthogonal supramolecular interactions. <i>Chemical Communications</i> , 2012, 48, 8529.	2.2	168
94	Direct use of dioxygen as an oxygen source: catalytic oxidative synthesis of amides. <i>Chemical Communications</i> , 2012, 48, 305-307.	2.2	54
95	Improved recognition of alkylammonium salts by ion pair recognition based on a novel heteroditopic pillar[5]arene receptor. <i>Tetrahedron Letters</i> , 2012, 53, 6409-6413.	0.7	39