

Feihe Huang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

351
papers

33,501
citations

99
h-index

172
g-index

386
ext. papers

37,731
ext. citations

11.4
avg, IF

7.78
L-index

#	Paper	IF	Citations
351	Stimuli-responsive supramolecular polymeric materials. <i>Chemical Society Reviews</i> , 2012 , 41, 6042-65	58.5	1252
350	Pillararenes, a new class of macrocycles for supramolecular chemistry. <i>Accounts of Chemical Research</i> , 2012 , 45, 1294-308	24.3	1081
349	Supramolecular Amphiphiles Based on Host-Guest Molecular Recognition Motifs. <i>Chemical Reviews</i> , 2015 , 115, 7240-303	68.1	731
348	Formation of linear supramolecular polymers that is driven by C-H... interactions in solution and in the solid state. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1397-401	16.4	633
347	A multiresponsive, shape-persistent, and elastic supramolecular polymer network gel constructed by orthogonal self-assembly. <i>Advanced Materials</i> , 2012 , 24, 362-9	24	622
346	Self-healing supramolecular gels formed by crown ether based host-guest interactions. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7011-5	16.4	589
345	Development of Pseudorotaxanes and Rotaxanes: From Synthesis to Stimuli-Responsive Motions to Applications. <i>Chemical Reviews</i> , 2015 , 115, 7398-501	68.1	574
344	Supramolecular polymers constructed by crown ether-based molecular recognition. <i>Chemical Society Reviews</i> , 2012 , 41, 1621-36	58.5	540
343	Highly emissive platinum(II) metallacages. <i>Nature Chemistry</i> , 2015 , 7, 342-8	17.6	491
342	Polypseudorotaxanes and polyrotaxanes. <i>Progress in Polymer Science</i> , 2005 , 30, 982-1018	29.6	473
341	Characterization of supramolecular gels. <i>Chemical Society Reviews</i> , 2013 , 42, 6697-722	58.5	454
340	Graphene-like MoS ₂ /amorphous carbon composites with high capacity and excellent stability as anode materials for lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6251		450
339	A dual-responsive supramolecular polymer gel formed by crown ether based molecular recognition. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1905-9	16.4	423
338	Supramolecular polymers constructed by orthogonal self-assembly based on host-guest and metal-ligand interactions. <i>Chemical Society Reviews</i> , 2015 , 44, 815-32	58.5	420
337	Self-sorting organization of two heteroditopic monomers to supramolecular alternating copolymers. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11254-5	16.4	413
336	Supramolecular polymers constructed from macrocycle-based host-guest molecular recognition motifs. <i>Accounts of Chemical Research</i> , 2014 , 47, 1982-94	24.3	409
335	Pillar[6]arene-based photoresponsive host-guest complexation. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8711-7	16.4	408

334	Pillar[6]arene/paraquat molecular recognition in water: high binding strength, pH-responsiveness, and application in controllable self-assembly, controlled release, and treatment of paraquat poisoning. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19489-97	16.4	406
333	Supramolecular chemotherapy based on host-guest molecular recognition: a novel strategy in the battle against cancer with a bright future. <i>Chemical Society Reviews</i> , 2017 , 46, 7021-7053	58.5	399
332	An instant multi-responsive porous polymer actuator driven by solvent molecule sorption. <i>Nature Communications</i> , 2014 , 5, 4293	17.4	381
331	A water-soluble pillar[6]arene: synthesis, host-guest chemistry, and its application in dispersion of multiwalled carbon nanotubes in water. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13248-51	16.4	372
330	Metal coordination mediated reversible conversion between linear and cross-linked supramolecular polymers. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1090-4	16.4	372
329	An amphiphilic pillar[5]arene: synthesis, controllable self-assembly in water, and application in calcein release and TNT adsorption. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15712-5	16.4	370
328	A supramolecular cross-linked conjugated polymer network for multiple fluorescent sensing. <i>Journal of the American Chemical Society</i> , 2013 , 135, 74-7	16.4	359
327	Graphene-like MoS ₂ /graphene composites: cationic surfactant-assisted hydrothermal synthesis and electrochemical reversible storage of lithium. <i>Small</i> , 2013 , 9, 3693-703	11	291
326	A sugar-functionalized amphiphilic pillar[5]arene: synthesis, self-assembly in water, and application in bacterial cell agglutination. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10310-3	16.4	282
325	Supramolecular AA-BB-type linear polymers with relatively high molecular weights via the self-assembly of bis(m-phenylene)-32-crown-10 cryptands and a bisparaquat derivative. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2836-9	16.4	262
324	Stimuli-responsive host-guest systems based on the recognition of cryptands by organic guests. <i>Accounts of Chemical Research</i> , 2014 , 47, 1995-2005	24.3	254
323	Responsive supramolecular polymer metallogel constructed by orthogonal coordination-driven self-assembly and host/guest interactions. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4460-3	16.4	245
322	A dual-responsive supra-amphiphilic polypseudorotaxane constructed from a water-soluble pillar[7]arene and an azobenzene-containing random copolymer. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1440-3	16.4	245
321	A crown ether appended super gelator with multiple stimulus responsiveness. <i>Advanced Materials</i> , 2012 , 24, 3191-5	24	244
320	Nonporous Adaptive Crystals of Pillararenes. <i>Accounts of Chemical Research</i> , 2018 , 51, 2064-2072	24.3	240
319	A solvent-driven molecular spring. <i>Chemical Science</i> , 2012 , 3, 3026	9.4	240
318	Syntheses of copillar[5]arenes by co-oligomerization of different monomers. <i>Organic Letters</i> , 2010 , 12, 3285-7	6.2	236
317	Benzo-21-crown-7/secondary dialkylammonium salt [2]pseudorotaxane- and [2]rotaxane-type threaded structures. <i>Organic Letters</i> , 2007 , 9, 5553-6	6.2	236

316	Nanoparticles with Near-Infrared Emission Enhanced by Pillararene-Based Molecular Recognition in Water. <i>Journal of the American Chemical Society</i> , 2016 , 138, 80-3	16.4	234
315	Multicomponent Platinum(II) Cages with Tunable Emission and Amino Acid Sensing. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5067-5074	16.4	230
314	Responsive supramolecular gels constructed by crown ether based molecular recognition. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1798-802	16.4	227
313	DIBPillar[n]arenes (n = 5, 6): syntheses, X-ray crystal structures, and complexation with n-octyltriethyl ammonium hexafluorophosphate. <i>Organic Letters</i> , 2010 , 12, 4360-3	6.2	222
312	A Suite of Tetraphenylethylene-Based Discrete Organoplatinum(II) Metallacycles: Controllable Structure and Stoichiometry, Aggregation-Induced Emission, and Nitroaromatics Sensing. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15276-86	16.4	216
311	Supramolecular polymers with tunable topologies via hierarchical coordination-driven self-assembly and hydrogen bonding interfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 15585-90	11.5	210
310	A cationic water-soluble pillar[5]arene: synthesis and host-guest complexation with sodium 1-octanesulfonate. <i>Chemical Communications</i> , 2011 , 47, 12340-2	5.8	206
309	Hierarchical self-assembly: well-defined supramolecular nanostructures and metallohydrogels via amphiphilic discrete organoplatinum(II) metallacycles. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14036-9	16.4	202
308	Formation of a supramolecular hyperbranched polymer from self-organization of an AB ₂ monomer containing a crown ether and two paraquat moieties. <i>Journal of the American Chemical Society</i> , 2004 , 126, 14738-9	16.4	197
307	Functional Supramolecular Polymeric Networks: The Marriage of Covalent Polymers and Macrocyclic-Based Host-Guest Interactions. <i>Chemical Reviews</i> , 2020 , 120, 6070-6123	68.1	196
306	Self-Healing Supramolecular Gels Formed by Crown Ether Based Host-Guest Interactions. <i>Angewandte Chemie</i> , 2012 , 124, 7117-7121	3.6	189
305	Dynamic supramolecular complexes constructed by orthogonal self-assembly. <i>Accounts of Chemical Research</i> , 2014 , 47, 2041-51	24.3	187
304	A pillar[5]arene/imidazolium [2]rotaxane: solvent- and thermo-driven molecular motions and supramolecular gel formation. <i>Chemical Science</i> , 2014 , 5, 247-252	9.4	180
303	Light-Emitting Superstructures with Anion Effect: Coordination-Driven Self-Assembly of Pure Tetraphenylethylene Metallacycles and Metallacages. <i>Journal of the American Chemical Society</i> , 2016 , 138, 4580-8	16.4	178
302	A supramolecular triarm star polymer from a homotritopic tris(crown ether) host and a complementary monotopic paraquat-terminated polystyrene guest by a supramolecular coupling method. <i>Journal of the American Chemical Society</i> , 2005 , 127, 484-5	16.4	174
301	Antitumor Activity of a Unique Polymer That Incorporates a Fluorescent Self-Assembled Metallacycle. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15940-15949	16.4	172
300	Catalytic reactions within the cavity of coordination cages. <i>Chemical Society Reviews</i> , 2019 , 48, 4707-4739	98.5	172
299	Supramolecular Polymer-Based Nanomedicine: High Therapeutic Performance and Negligible Long-Term Immunotoxicity. <i>Journal of the American Chemical Society</i> , 2018 , 140, 8005-8019	16.4	168

298	COEResponsive Pillar[5]arene-Based Molecular Recognition in Water: Establishment and Application in Gas-Controlled Self-Assembly and Release. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10472-5	16.4	163
297	Macrocyclic amphiphiles. <i>Chemical Society Reviews</i> , 2015 , 44, 3568-87	58.5	163
296	per-Hydroxylated pillar[6]arene: synthesis, X-ray crystal structure, and host-guest complexation. <i>Organic Letters</i> , 2012 , 14, 1532-5	6.2	160
295	Ion pairing in fast-exchange host-guest systems: concentration dependence of apparent association constants for complexes of neutral hosts and divalent guest salts with monovalent counterions. <i>Journal of the American Chemical Society</i> , 2003 , 125, 14458-64	16.4	158
294	A non-symmetric pillar[5]arene-based selective anion receptor for fluoride. <i>Chemical Communications</i> , 2012 , 48, 2958-60	5.8	157
293	Fluorescent Supramolecular Polymeric Materials. <i>Advanced Materials</i> , 2017 , 29, 1606117	24	156
292	A new water-soluble pillar[5]arene: synthesis and application in the preparation of gold nanoparticles. <i>Chemical Communications</i> , 2012 , 48, 6505-7	5.8	153
291	Reversible Iodine Capture by Nonporous Pillar[6]arene Crystals. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15320-15323	16.4	152
290	A novel diblock copolymer with a supramolecular polymer block and a traditional polymer block: preparation, controllable self-assembly in water, and application in controlled release. <i>Advanced Materials</i> , 2013 , 25, 5725-9	24	152
289	Styrene Purification by Guest-Induced Restructuring of Pillar[6]arene. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2908-2911	16.4	148
288	Highly Emissive Self-Assembled BODIPY-Platinum Supramolecular Triangles. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7730-7736	16.4	144
287	Gold nanoparticles stabilized by an amphiphilic pillar[5]arene: preparation, self-assembly into composite microtubes in water and application in green catalysis. <i>Chemical Science</i> , 2013 , 4, 3667	9.4	140
286	A Dual-Thermoresponsive Gemini-Type Supra-amphiphilic Macromolecular [3]Pseudorotaxane Based on Pillar[10]arene/Paraquat Cooperative Complexation. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3168-74	16.4	139
285	Polyrotaxane-based supramolecular theranostics. <i>Nature Communications</i> , 2018 , 9, 766	17.4	138
284	Four constitutional isomers of Bmpillar[5]arene: synthesis, crystal structures and complexation with n-octyltrimethyl ammonium hexafluorophosphate. <i>Chemical Communications</i> , 2011 , 47, 2417-9	5.8	136
283	A cryptand/bisparaquat [3]pseudorotaxane by cooperative complexation. <i>Journal of the American Chemical Society</i> , 2003 , 125, 9272-3	16.4	132
282	Bis(m-phenylene)-32-crown-10-based cryptands, powerful hosts for paraquat derivatives. <i>Journal of Organic Chemistry</i> , 2005 , 70, 3231-41	4.2	131
281	Near-Ideal Xylene Selectivity in Adaptive Molecular Pillar[n]arene Crystals. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6921-6930	16.4	130

280	Formation of a cyclic dimer containing two mirror image monomers in the solid state controlled by van der Waals forces. <i>Organic Letters</i> , 2011 , 13, 4818-21	6.2	129
279	Tetraphenylethene-based highly emissive metallacage as a component of theranostic supramolecular nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13720-13725	11.5	127
278	A bola-type supra-amphiphile constructed from a water-soluble pillar[5]arene and a rod-like molecule for dual fluorescent sensing. <i>Chemical Science</i> , 2014 , 5, 2778	9.4	127
277	Dendronized organoplatinum(II) metallacyclic polymers constructed by hierarchical coordination-driven self-assembly and hydrogen-bonding interfaces. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16813-6	16.4	127
276	First pseudorotaxane-like [3]complexes based on cryptands and paraquat: self-assembly and crystal structures. <i>Journal of the American Chemical Society</i> , 2003 , 125, 9367-71	16.4	127
275	A pillar[5]arene-based [2]rotaxane lights up mitochondria. <i>Chemical Science</i> , 2016 , 7, 3017-3024	9.4	126
274	Complexation between pillar[5]arenes and a secondary ammonium salt. <i>Organic Letters</i> , 2012 , 14, 1712-5	6.2	124
273	Supramolecular polymer nanofibers via electrospinning of a heteroditopic monomer. <i>Chemical Communications</i> , 2011 , 47, 7086-8	5.8	121
272	Formation of a Linear Supramolecular Polymer by Self-Assembly of Two Homoditopic Monomers Based on the Bis(m-phenylene)-32-crown-10/Paraquat Recognition Motif. <i>Macromolecules</i> , 2007 , 40, 3561-3567	5.5	118
271	A discrete organoplatinum(II) metallacage as a multimodality theranostic platform for cancer photochemotherapy. <i>Nature Communications</i> , 2018 , 9, 4335	17.4	118
270	Photo-responsive self-assembly based on a water-soluble pillar[6]arene and an azobenzene-containing amphiphile in water. <i>Chemical Communications</i> , 2014 , 50, 3606-8	5.8	116
269	A self-healing supramolecular polymer gel with stimuli-responsiveness constructed by crown ether based molecular recognition. <i>Polymer Chemistry</i> , 2013 , 4, 3312	4.9	116
268	Encoding, Reading, and Transforming Information Using Multifluorescent Supramolecular Polymeric Hydrogels. <i>Advanced Materials</i> , 2018 , 30, 1705480	24	115
267	Improved complexation of paraquat derivatives by the formation of crown ether-based cryptands. <i>Chemical Communications</i> , 2010 , 46, 8131-41	5.8	115
266	Cationic pillar[6]arene/ATP host-guest recognition: selectivity, inhibition of ATP hydrolysis, and application in multidrug resistance treatment. <i>Chemical Science</i> , 2016 , 7, 4073-4078	9.4	114
265	Adhesive supramolecular polymeric materials constructed from macrocycle-based host-guest interactions. <i>Chemical Society Reviews</i> , 2019 , 48, 2682-2697	58.5	113
264	Formation of Linear Supramolecular Polymers That Is Driven by C-H...N Interactions in Solution and in the Solid State. <i>Angewandte Chemie</i> , 2011 , 123, 1433-1437	3.6	111
263	Photoinduced transformations of stiff-stilbene-based discrete metallacycles to metallosupramolecular polymers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 8717-22	11.5	110

262	A pillararene-based ternary drug-delivery system with photocontrolled anticancer drug release. <i>Small</i> , 2015 , 11, 919-25	11	109
261	Taco complex templated syntheses of a cryptand/paraquat [2]rotaxane and a [2]catenane by olefin metathesis. <i>Organic Letters</i> , 2009 , 11, 3350-3	6.2	108
260	Formation of linear main-chain polypseudorotaxanes with supramolecular polymer backbones via two self-sorting host-guest recognition motifs. <i>Chemical Communications</i> , 2009 , 4375-7	5.8	108
259	Pillar[5]arene-based amphiphilic supramolecular brush copolymer: fabrication, controllable self-assembly and application in self-imaging targeted drug delivery. <i>Polymer Chemistry</i> , 2016 , 7, 6178-6188	4.9	107
258	Host-guest complexation induced emission: a pillar[6]arene-based complex with intense fluorescence in dilute solution. <i>Chemical Communications</i> , 2014 , 50, 5017-9	5.8	106
257	Molecular architecture via coordination: self-assembly of nanoscale hexagonal metallodendrimers with designed building blocks. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10014-5	16.4	102
256	LCST-type phase behavior induced by pillar[5]arene/ionic liquid host-guest complexation. <i>Advanced Materials</i> , 2013 , 25, 6864-7	24	101
255	Linear Positional Isomer Sorting in Nonporous Adaptive Crystals of a Pillar[5]arene. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3190-3193	16.4	100
254	Supramolecular Construction of Multifluorescent Gels: Interfacial Assembly of Discrete Fluorescent Gels through Multiple Hydrogen Bonding. <i>Advanced Materials</i> , 2015 , 27, 8062-6	24	99
253	Supramolecular peptide constructed by molecular Lego allowing programmable self-assembly for photodynamic therapy. <i>Nature Communications</i> , 2019 , 10, 2412	17.4	98
252	Anion-controlled ion-pair recognition of paraquat by a bis(m-phenylene)-32-crown-10 derivative heteroditopic host. <i>Journal of Organic Chemistry</i> , 2009 , 74, 1322-8	4.2	98
251	A novel pH-responsive supramolecular polymer constructed by pillar[5]arene-based host-guest interactions. <i>Polymer Chemistry</i> , 2013 , 4, 2019	4.9	96
250	Reversible Ion-Conducting Switch in a Novel Single-Ion Supramolecular Hydrogel Enabled by Photoresponsive Host-Guest Molecular Recognition. <i>Advanced Materials</i> , 2019 , 31, e1807328	24	95
249	Syntheses of a pillar[4]arene[1]quinone and a difunctionalized pillar[5]arene by partial oxidation. <i>Chemical Communications</i> , 2012 , 48, 9876-8	5.8	92
248	Fabrication of a Targeted Drug Delivery System from a Pillar[5]arene-Based Supramolecular Diblock Copolymeric Amphiphile for Effective Cancer Therapy. <i>Advanced Functional Materials</i> , 2016 , 26, 8999-9008	15.6	91
247	Vapochromic crystals: understanding vapochromism from the perspective of crystal engineering. <i>Chemical Society Reviews</i> , 2020 , 49, 1517-1544	58.5	91
246	Supramolecule-mediated synthesis of MoS ₂ /reduced graphene oxide composites with enhanced electrochemical performance for reversible lithium storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6884-6893	13	89
245	A Dual-Responsive Supramolecular Polymer Gel Formed by Crown Ether Based Molecular Recognition. <i>Angewandte Chemie</i> , 2011 , 123, 1945-1949	3.6	89

244	A discrete amphiphilic organoplatinum(II) metallacycle with tunable lower critical solution temperature behavior. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15497-500	16.4	88
243	Supramolecular cancer nanotheranostics. <i>Chemical Society Reviews</i> , 2021 , 50, 2839-2891	58.5	88
242	An AIEE fluorescent supramolecular cross-linked polymer network based on pillar[5]arene host-guest recognition: construction and application in explosive detection. <i>Chemical Communications</i> , 2018 , 54, 4866-4869	5.8	87
241	Photoresponsive host-guest systems based on a new azobenzene-containing cryptand. <i>Organic Letters</i> , 2010 , 12, 2558-61	6.2	86
240	Separation of Aromatics/Cyclic Aliphatics by Nonporous Adaptive Pillararene Crystals. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12845-12849	16.4	83
239	Controllable macrocyclic supramolecular assemblies in aqueous solution. <i>Science China Chemistry</i> , 2018 , 61, 979-992	7.9	81
238	Synthesis of various supramolecular hybrid nanostructures based on pillar[6]arene modified gold nanoparticles/nanorods and their application in pH- and NIR-triggered controlled release. <i>Chemical Science</i> , 2014 , 5, 4312-4316	9.4	81
237	pH-Responsive Supramolecular Control of Polymer Thermoresponsive Behavior by Pillararene-Based Host-Guest Interactions. <i>ACS Macro Letters</i> , 2014 , 3, 110-113	6.6	80
236	Physical Removal of Anions from Aqueous Media by Means of a Macrocyclic-Containing Polymeric Network. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2777-2780	16.4	78
235	Supramolecular enhancement of aggregation-induced emission and its application in cancer cell imaging. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 6609-6617	7.1	78
234	Metal Coordination Mediated Reversible Conversion between Linear and Cross-Linked Supramolecular Polymers. <i>Angewandte Chemie</i> , 2010 , 122, 1108-1112	3.6	76
233	Recent progress in macrocyclic amphiphiles and macrocyclic host-based supra-amphiphiles. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 2152-2174	7.8	76
232	Preparation of Pillar[n]arenes by Cyclooligomerization of 2,5-Dialkoxybenzyl Alcohols or 2,5-Dialkoxybenzyl Bromides. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 5331-5335	3.2	74
231	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1803-1915	7.8	70
230	A pillar[5]arene-based 3D network polymer for rapid removal of organic micropollutants from water. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 24217-24222	13	69
229	Alkyl Chain Length-Selective Vapor-Induced Fluorochromism of Pillar[5]arene-Based Nonporous Adaptive Crystals. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13290-13294	16.4	69
228	A pillar[6]arene-based UV-responsive supra-amphiphile: synthesis, self-assembly, and application in dispersion of multiwalled carbon nanotubes in water. <i>Chemical Communications</i> , 2014 , 50, 3993-5	5.8	69
227	Synthesis of a symmetric cylindrical bis(crown ether) host and its complexation with paraquat. <i>Journal of Organic Chemistry</i> , 2005 , 70, 809-13	4.2	68

226	A supramolecular poly[3]pseudorotaxane by self-assembly of a homoditopic cylindrical bis(crown ether) host and a bisparaquat derivative. <i>Chemical Communications</i> , 2005 , 1696-8	5.8	66
225	Supramolecular Micelles Constructed by Crown Ether-Based Molecular Recognition. <i>Macromolecules</i> , 2012 , 45, 6457-6463	5.5	65
224	Responsive Supramolecular Gels Constructed by Crown Ether Based Molecular Recognition. <i>Angewandte Chemie</i> , 2009 , 121, 1830-1834	3.6	65
223	Dihalobenzene Shape Sorting by Nonporous Adaptive Crystals of Perbromoethylated Pillararenes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3981-3985	16.4	64
222	Water-soluble pillar[7]arene: synthesis, pH-controlled complexation with paraquat, and application in constructing supramolecular vesicles. <i>Organic Letters</i> , 2014 , 16, 2066-9	6.2	64
221	Post-Synthetic Modification of Nonporous Adaptive Crystals of Pillar[4]arene[1]quinone by Capturing Vaporized Amines. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15070-15079	16.4	64
220	A hybrid porous material from a pillar[5]arene and a poly(ionic liquid): selective adsorption of n-alkylene diols. <i>Chemical Communications</i> , 2014 , 50, 2595-7	5.8	63
219	Formation of dimers of inclusion cryptand/paraquat complexes driven by dipole-dipole and face-to-face pi-stacking interactions. <i>Chemical Communications</i> , 2004 , 2670-1	5.8	63
218	Novel [2]rotaxanes based on the recognition of pillar[5]arenes to an alkane functionalized with triazole moieties. <i>Tetrahedron</i> , 2012 , 68, 9179-9185	2.4	62
217	A hyperbranched, rotaxane-type mechanically interlocked polymer. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 4067-4073	2.5	62
216	Construction of muscle-like metallo-supramolecular polymers from a pillar[5]arene-based [c2]daisy chain. <i>Polymer Chemistry</i> , 2014 , 5, 5734-5739	4.9	61
215	Adjustable supramolecular polymer microstructures fabricated by the breath figure method. <i>Polymer Chemistry</i> , 2012 , 3, 458-462	4.9	61
214	A dynamic [1]catenane with pH-responsiveness formed via threading-followed-by-complexation. <i>Chemical Communications</i> , 2013 , 49, 2512-4	5.8	60
213	Redox-responsive complexation between a pillar[5]arene with mono(ethylene oxide) substituents and paraquat. <i>Organic Letters</i> , 2013 , 15, 4722-5	6.2	60
212	Pillararene Host-Guest Complexation Induced Chirality Amplification: A New Way to Detect Cryptochiral Compounds. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10868-10872	16.4	58
211	Synthesis of a pillar[5]arene dimer by co-oligomerization and its complexation with n-octyltrimethyl ammonium hexafluorophosphate. <i>Tetrahedron Letters</i> , 2011 , 52, 4433-4436	2	58
210	A Self-Cross-Linking Supramolecular Polymer Network Enabled by Crown-Ether-Based Molecular Recognition. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2051-2058	16.4	58
209	First supramolecular poly(taco complex). <i>Chemical Communications</i> , 2003 , 1480	5.8	55

208	Redox-Responsive Amphiphilic Macromolecular [2]Pseudorotaxane Constructed from a Water-Soluble Pillar[5]arene and a Paraquat-Containing Homopolymer. <i>ACS Macro Letters</i> , 2015 , 4, 996-999	6.6	54
207	Synthesis of a water-soluble pillar[9]arene and its pH-responsive binding to paraquat. <i>Chemical Communications</i> , 2014 , 50, 2841-3	5.8	53
206	Preparation of a Daisy Chain via Threading-Followed-by-Polymerization. <i>Macromolecules</i> , 2011 , 44, 9629-9634	5.9	53
205	Constructing Adaptive Photosensitizers via Supramolecular Modification Based on Pillararene Host-Guest Interactions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11779-11783	16.4	53
204	Preparation of two new [2]rotaxanes based on the pillar[5]arene/alkane recognition motif. <i>Tetrahedron Letters</i> , 2012 , 53, 3668-3671	2	52
203	Selectivity algorithm for the formation of two cryptand/paraquat catenanes. <i>Organic Letters</i> , 2010 , 12, 760-3	6.2	52
202	pH-responsive assembly and disassembly of a supramolecular cryptand-based pseudorotaxane driven by π -stacking interaction. <i>Chemical Communications</i> , 2011 , 47, 9840-2	5.8	52
201	Cooperative Silver Ion-Pair Recognition by Peralkylated Pillar[5]arenes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 15008-15012	16.4	51
200	High-yield preparation of [2]rotaxanes based on the bis(m-phenylene)-32-crown-10-based cryptand/paraquat derivative recognition motif. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 2103-7	3.9	51
199	Supramolecular-Macrocycle-Based Crystalline Organic Materials. <i>Advanced Materials</i> , 2020 , 32, e1904824	4.4	51
198	Single Chromophore-Based White-Light-Emitting Hydrogel with Tunable Fluorescence and Patternability. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39343-39352	9.5	51
197	- Selectivity of Haloalkene Isomers in Nonporous Adaptive Pillararene Crystals. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11847-11851	16.4	50
196	Supramolecular Solid-State Microlaser Constructed from Pillar[5]arene-Based Host-Guest Complex Microcrystals. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15651-15654	16.4	50
195	A double supramolecular crosslinked polymer gel exhibiting macroscale expansion and contraction behavior and multistimuli responsiveness. <i>Polymer Chemistry</i> , 2015 , 6, 1912-1917	4.9	49
194	Syntheses and Model Complexation Studies of Well-Defined Crown Terminated Polymers. <i>Macromolecules</i> , 2005 , 38, 2626-2637	5.5	49
193	Paraquat substituent effect on complexation with a dibenzo-24-crown-8-based cryptand. <i>Journal of Organic Chemistry</i> , 2007 , 72, 8935-8	4.2	48
192	Formation of a pillar[5]arene-based [3]pseudorotaxane in solution and in the solid state. <i>Chemical Communications</i> , 2013 , 49, 472-4	5.8	47
191	Spontaneous Formation of a Cross-Linked Supramolecular Polymer Both in the Solid State and in Solution, Driven by Platinum(II) Metallacycle-Based Host-Guest Interactions. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6494-6498	16.4	46

190	Separation of Benzene and Cyclohexane by Nonporous Adaptive Crystals of a Hybrid[3]arene. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2228-2232	16.4	46
189	Supramolecular Hybrid Material Constructed from Graphene Oxide and Pillar[6]arene-Based Host-Guest Complex as a Ultrasound and Photoacoustic Signals Nanoamplifier. <i>Materials Horizons</i> , 2018 , 5, 429-435	14.4	46
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184	Supramacromolecular self-assembly: Chain extension, star and block polymers via pseudorotaxane formation from well-defined end-functionalized polymers. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 3518-3543	2.5	46
183	Genome editing of mutant KRAS through supramolecular polymer-mediated delivery of Cas9 ribonucleoprotein for colorectal cancer therapy. <i>Journal of Controlled Release</i> , 2020 , 322, 236-247	11.7	45
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181	Anion-assisted complexation of paraquat by cryptands based on bis(m-phenylene)-[32]crown-10. <i>Chemistry - A European Journal</i> , 2010 , 16, 6088-98	4.8	45
180	Remarkably improved complexation of a bisparaquat by formation of a pseudocryptand-based [3]pseudorotaxane. <i>Chemical Communications</i> , 2005 , 1693-5	5.8	45
179	Formation of Planar Chiral Platinum Triangles via Pillar[5]arene for Circularly Polarized Luminescence. <i>Journal of the American Chemical Society</i> , 2020 , 142, 17340-17345	16.4	45
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177	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	8.1	44
176	Controllable Self-Assembly of Macrocycles in Water for Isolating Aromatic Hydrocarbon Isomers. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5955-5961	16.4	43
175	Light-triggered topological programmability in a dynamic covalent polymer network. <i>Science Advances</i> , 2020 , 6, eaaz2362	14.3	42
174	Integrated motion of molecular machines in supramolecular polymeric scaffolds. <i>Polymer Chemistry</i> , 2013 , 4, 2395	4.9	42
173	Three-dimensional bis(m-phenylene)-32-crown-10-based cryptand/paraquat catenanes. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 1288-91	3.9	41

172	A new functional bis(m-phenylene)-32-crown-10-based cryptand host for paraquats. <i>Journal of Organic Chemistry</i> , 2008 , 73, 5570-3	4.2	41
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162	Hydrogels for anion removal from water. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1394-1403	13	38
161	Mechanochemical synthesis of pillar[5]quinone derived multi-microporous organic polymers for radioactive organic iodide capture and storage. <i>Nature Communications</i> , 2020 , 11, 1086	17.4	38
160	An ATP/ATPase responsive supramolecular fluorescent hydrogel constructed via electrostatic interactions between poly(sodium p-styrenesulfonate) and a tetraphenylethene derivative. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 2728-2733	7.3	38
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