Oren A Scherman

List of Publications by Year
in descending order

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Version: 2024-02-01

197 papers	16,877 citations	16411 64 h-index	16127 124 g-index
211 all docs	211 docs citations	211 times ranked	15380 citing authors

#	Article	IF	Citations
1	Cucurbituril-Based Molecular Recognition. Chemical Reviews, 2015, 115, 12320-12406.	23.0	1,467
2	Single-molecule strong coupling at room temperature in plasmonic nanocavities. Nature, 2016, 535, 127-130.	13.7	1,391
3	Supramolecular polymeric hydrogels. Chemical Society Reviews, 2012, 41, 6195.	18.7	988
4	Supramolecular Cross-Linked Networks via Hostâ"Guest Complexation with Cucurbit[8]uril. Journal of the American Chemical Society, 2010, 132, 14251-14260.	6.6	547
5	Release of High-Energy Water as an Essential Driving Force for the High-Affinity Binding of Cucurbit[n]urils. Journal of the American Chemical Society, 2012, 134, 15318-15323.	6.6	471
6	Supramolecular Chemistry at Interfaces: Hostâ€"Guest Interactions for Fabricating Multifunctional Biointerfaces. Accounts of Chemical Research, 2014, 47, 2106-2115.	7.6	440
7	One-Step Fabrication of Supramolecular Microcapsules from Microfluidic Droplets. Science, 2012, 335, 690-694.	6.0	416
8	Ultrahigh-Water-Content Supramolecular Hydrogels Exhibiting Multistimuli Responsiveness. Journal of the American Chemical Society, 2012, 134, 11767-11773.	6.6	409
9	Tough Supramolecular Polymer Networks with Extreme Stretchability and Fast Roomâ€Temperature Selfâ€Healing. Advanced Materials, 2017, 29, 1605325.	11.1	347
10	Precise Subnanometer Plasmonic Junctions for SERS within Gold Nanoparticle Assemblies Using Cucurbit[n]uril â€œGlueâ€. ACS Nano, 2011, 5, 3878-3887.	7.3	322
11	Supramolecular Block Copolymers with Cucurbit[8]uril in Water. Angewandte Chemie - International Edition, 2008, 47, 3950-3953.	7.2	291
12	Photocontrol over Cucurbit[8]uril Complexes: Stoichiometry and Supramolecular Polymers. Journal of the American Chemical Society, 2013, 135, 11760-11763.	6.6	250
13	Healable, Stable and Stiff Hydrogels: Combining Conflicting Properties Using Dynamic and Selective Threeâ€Component Recognition with Reinforcing Cellulose Nanorods. Advanced Functional Materials, 2014, 24, 2706-2713.	7.8	227
14	Responsive Double Network Hydrogels of Interpenetrating DNA and CB[8] Hostâ€"Guest Supramolecular Systems. Advanced Materials, 2015, 27, 3298-3304.	11.1	201
15	Supramolecular Polymerization Promoted and Controlled through Selfâ€Sorting. Angewandte Chemie - International Edition, 2014, 53, 5351-5355.	7.2	200
16	Strongly Fluorescent, Switchable Perylene Bis(diimide) Hostâ€"Guest Complexes with Cucurbit[8]uril In Water. Angewandte Chemie - International Edition, 2012, 51, 7739-7743.	7.2	199
17	Biomimetic Supramolecular Polymer Networks Exhibiting both Toughness and Selfâ€Recovery. Advanced Materials, 2017, 29, 1604951.	11.1	185
18	Cucurbit[n]uril-Based Microcapsules Self-Assembled within Microfluidic Droplets: A Versatile Approach for Supramolecular Architectures and Materials. Accounts of Chemical Research, 2017, 50, 208-217.	7.6	181

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19	Cucurbit[8]uril and Blue-Box: High-Energy Water Release Overwhelms Electrostatic Interactions. Journal of the American Chemical Society, 2013, 135, 14879-14888.	6.6	174
20	Orthogonal switching of a single supramolecular complex. Nature Communications, 2012, 3, 1207.	5.8	164
21	Supramolecular polymers. Chemical Society Reviews, 2012, 41, 5879.	18.7	149
22	Formation of Singleâ€€hain Polymer Nanoparticles in Water through Hostâ€“Guest Interactions. Angewandte Chemie - International Edition, 2012, 51, 4185-4189.	7.2	145
23	Threading plasmonic nanoparticle strings with light. Nature Communications, 2014, 5, 4568.	5.8	144
24	Light-induced actuating nanotransducers. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5503-5507.	3.3	143
25	Quantitative SERS Using the Sequestration of Small Molecules Inside Precise Plasmonic Nanoconstructs. Nano Letters, 2012, 12, 5924-5928.	4.5	142
26	Sustained release of proteins from high water content supramolecular polymer hydrogels. Biomaterials, 2012, 33, 4646-4652.	5.7	139
27	Cucurbit[8]uril Mediated Donorâ€“Acceptor Ternary Complexes: A Model System for Studying Charge-Transfer Interactions. Journal of Physical Chemistry B, 2012, 116, 2842-2849.	1.2	134
28	Formation of dynamic aggregates in water by cucurbit[5]uril capped with gold nanoparticles. Chemical Communications, 2010, 46, 2438.	2.2	124
29	The Importance of Excess Poly(N-isopropylacrylamide) for the Aggregation of Poly(N-isopropylacrylamide)-Coated Gold Nanoparticles. ACS Nano, 2016, 10, 3158-3165.	7.3	123
30	Correlating Solution Binding and ESI-MS Stabilities by Incorporating Solvation Effects in a Confined Cucurbit[8]uril System. Journal of Physical Chemistry B, 2010, 114, 8606-8615.	1.2	118
31	Highly compressible glass-like supramolecular polymer networks. Nature Materials, 2022, 21, 103-109.	13.3	117
32	Plasmonic tunnel junctions for single-molecule redox chemistry. Nature Communications, 2017, 8, 994.	5.8	116
33	A supramolecular route for reversible protein-polymer conjugation. Chemical Science, 2011, 2, 279-286.	3.7	111
34	Bioinspired supramolecular fibers drawn from a multiphase self-assembled hydrogel. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8163-8168.	3.3	111
35	Interfacial assembly of dendritic microcapsules with hostâ€“guest chemistry. Nature Communications, 2014, 5, 5772.	5.8	101
36	Photoresponsive Hybrid Raspberryâ€Like Colloids Based on Cucurbit[8]uril Hostâ€“Guest Interactions. Angewandte Chemie - International Edition, 2014, 53, 2166-2169.	7.2	101

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37	Activation Energies Control the Macroscopic Properties of Physically Crossâ€Linked Materials. Angewandte Chemie - International Edition, 2014, 53, 10038-10043.	7.2	98
38	Cucurbit[n]uril Supramolecular Hydrogel Networks as Tough and Healable Adhesives. Advanced Functional Materials, 2018, 28, 1800848.	7.8	98
39	Tunable Pentapeptide Selfâ€Assembled Î²â€Sheet Hydrogels. Angewandte Chemie - International Edition, 2018, 57, 7709-7713.	7.2	93
40	Benzobis(imidazolium)â€“Cucurbit[8]uril Complexes for Binding and Sensing Aromatic Compounds in Aqueous Solution. Chemistry - A European Journal, 2010, 16, 13716-13722.	1.7	92
41	Supramolecular gold nanoparticleâ€“polymer composites formed in water with cucurbit[8]uril. Chemical Communications, 2011, 47, 164-166.	2.2	89
42	Formulation of Metalâ€“Organic Framework-Based Drug Carriers by Controlled Coordination of Methoxy PEG Phosphate: Boosting Colloidal Stability and Redispersibility. Journal of the American Chemical Society, 2021, 143, 13557-13572.	6.6	88
43	Cucurbituril: At the Interface of Small Molecule Hostâ€“Guest Chemistry and Dynamic Aggregates. Israel Journal of Chemistry, 2011, 51, 537-550.	1.0	85
44	Quantitative multiplexing with nano-self-assemblies in SERS. Scientific Reports, 2014, 4, 6785.	1.6	84
45	Cucurbit[7]uril as a Supramolecular Artificial Enzyme for Dielsâ€“Alder Reactions. Angewandte Chemie - International Edition, 2017, 56, 15688-15692.	7.2	84
46	Dynamic Interfacial Adhesion through Cucurbit[n]uril Molecular Recognition. Angewandte Chemie - International Edition, 2018, 57, 8854-8858.	7.2	83
47	Citrate Coordination and Bridging of Gold Nanoparticles: The Role of Gold Adatoms in AuNP Aging. ACS Nano, 2020, 14, 8689-8696.	7.3	82
48	Enhanced stability and activity of temozolomide in primary glioblastoma multiforme cells with cucurbit[n]uril. Chemical Communications, 2012, 48, 9843.	2.2	80
49	Triggered insulin release studies of triply responsive supramolecular micelles. Polymer Chemistry, 2012, 3, 3180.	1.9	80
50	Preparation and Supramolecular Recognition of Multivalent Peptideâ€“Polysaccharide Conjugates by Cucurbit[8]uril in Hydrogel Formation. Biomacromolecules, 2015, 16, 2436-2443.	2.6	80
51	Supramolecular Chemistry of Cucurbiturils: Tuning Cooperativity with Multiple Noncovalent Interactions from Positive to Negative. Langmuir, 2016, 32, 12352-12360.	1.6	80
52	A Facile Synthesis of Dynamic Supramolecular Aggregates of Cucurbit[n]uril (n=5â€“8) Capped with Gold Nanoparticles in Aqueous Media. Chemistry - A European Journal, 2012, 18, 1628-1633.	1.7	79
53	Hybrid Supramolecular and Colloidal Hydrogels that Bridge Multiple Length Scales. Angewandte Chemie - International Edition, 2015, 54, 5383-5388.	7.2	78
54	The control of cargo release from physically crosslinked hydrogels by crosslink dynamics. Biomaterials, 2014, 35, 9897-9903.	5.7	77

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55	Supramolecular hydrogel microcapsules via cucurbit[8]uril hostâ€“guest interactions with triggered and UV-controlled molecular permeability. Chemical Science, 2015, 6, 4929-4933.	3.7	77
56	Light-Regulated Molecular Trafficking in a Synthetic Water-Soluble Host. Journal of the American Chemical Society, 2016, 138, 5745-5748.	6.6	75
57	Mining 2:2 Complexes from 1:1 Stoichiometry: Formation of Cucurbit[8]urilâ€“Diarylviologen Quaternary Complexes Favored by Electron-Donating Substituents. Journal of the American Chemical Society, 2017, 139, 3202-3208.	6.6	75
58	Metastable single-chain polymer nanoparticles prepared by dynamic cross-linking with nor-seco-cucurbit[10]uril. Chemical Science, 2012, 3, 2278.	3.7	74
59	Postpolymerization Modification of Hydroxyl-Functionalized Polymers with Isocyanates. Macromolecules, 2011, 44, 4828-4835.	2.2	73
60	Observing Single Molecules Complexing with Cucurbit[7]uril through Nanogap Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry Letters, 2016, 7, 704-710.	2.1	73
61	A Systems Approach to Controlling Supramolecular Architecture and Emergent Solution Properties via Hostâ”Guest Complexation in Water. Journal of the American Chemical Society, 2010, 132, 15734-15743.	6.6	72
62	Raman and SERS spectroscopy of cucurbit[n]urils. Physical Chemistry Chemical Physics, 2010, 12, 10429.	1.3	71
63	Turning Cucurbit[8]uril into a Supramolecular Nanoreactor for Asymmetric Catalysis. Angewandte Chemie - International Edition, 2015, 54, 13007-13011.	7.2	71
64	An adherent tissue-inspired hydrogel delivery vehicle utilised in primary human glioma models. Biomaterials, 2018, 179, 199-208.	5.7	69
65	Light-Directed Tuning of Plasmon Resonances via Plasmon-Induced Polymerization Using Hot Electrons. ACS Photonics, 2017, 4, 1453-1458.	3.2	65
66	Controlling Spatiotemporal Mechanics of Supramolecular Hydrogel Networks with Highly Branched Cucurbit[8]uril Polyrotaxanes. Advanced Functional Materials, 2018, 28, 1702994.	7.8	65
67	Hostâ€“guest accelerated photodimerisation of anthracene-labeled macromolecules in water. Polymer Chemistry, 2014, 5, 5375.	1.9	64
68	Energy and Electron Transfer Dynamics within a Series of Perylene Diimide/Cyclophane Systems. Journal of the American Chemical Society, 2015, 137, 15299-15307.	6.6	64
69	A Dynamic and Responsive Host in Action: Lightâ€Controlled Molecular Encapsulation. Angewandte Chemie - International Edition, 2016, 55, 16096-16100.	7.2	62
70	Poly(ADP-Ribose) Links the DNA Damage Response and Biomineralization. Cell Reports, 2019, 27, 3124-3138.e13.	2.9	58
71	Site-Selective Immobilization of Colloids on Au Substrates via a Noncovalent Supramolecular â€œHandcuffâ€• Langmuir, 2010, 26, 5323-5328.	1.6	57
72	Unexpected stability of aqueous dispersions of raspberry-like colloids. Nature Communications, 2018, 9, 3614.	5.8	57

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73	Decoupled Associative and Dissociative Processes in Strong yet Highly Dynamic Hostâ€“Guest Complexes. Journal of the American Chemical Society, 2017, 139, 12985-12993.	6.6	56
74	Chemical composition of processed bamboo for structural applications. Cellulose, 2018, 25, 3255-3266.	2.4	56
75	Dynamically crosslinked materials via recognition of amino acids by cucurbit[8]uril. Journal of Materials Chemistry B, 2013, 1, 2904.	2.9	55
76	Unfolding the contents of sub-nm plasmonic gaps using normalising plasmon resonance spectroscopy. Faraday Discussions, 2015, 178, 185-193.	1.6	52
77	High Affinity Recognition of a Selected Amino Acid Epitope within a Protein by Cucurbit[8]uril Complexation. Angewandte Chemie - International Edition, 2016, 55, 14000-14004.	7.2	52
78	Peptide Separation through a CB[8]-Mediated Supramolecular Trap-and-Release Process. Langmuir, 2011, 27, 1387-1390.	1.6	50
79	Multifunctional supramolecular polymer networks as next-generation consolidants for archaeological wood conservation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17743-17748.	3.3	50
80	Gold Nanorods with Subâ€Nanometer Separation using Cucurbit[n]uril for SERS Applications. Small, 2014, 10, 4298-4303.	5.2	50
81	Cucurbit[8]uril directed stimuli-responsive supramolecular polymer brushes for dynamic surface engineering. Chemical Science, 2015, 6, 5303-5310.	3.7	50
82	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Selfâ€Healing Scaffolds. Angewandte Chemie - International Edition, 2018, 57, 3079-3083.	7.2	50
83	Design Principles for Aqueous Interactive Materials: Lessons from Small Molecules and Stimuliâ€Responsive Systems. Advanced Materials, 2020, 32, e1906890.	11.1	50
84	Distinguishing relaxation dynamics in transiently crosslinked polymeric networks. Polymer Chemistry, 2017, 8, 5336-5343.	1.9	49
85	A comparison of choline:urea and choline:oxalic acid deep eutectic solvents at 338 K. Journal of Chemical Physics, 2018, 148, 193823.	1.2	48
86	Modulating stiffness with photo-switchable supramolecular hydrogels. Polymer Chemistry, 2019, 10, 467-472.	1.9	48
87	Controlling the structure and photophysics of fluorophore dimers using multiple cucurbit[8]uril clampings. Chemical Science, 2020, 11, 812-825.	3.7	48
88	Introduction: Molecular Self-Assembly. Chemical Reviews, 2021, 121, 13699-13700.	23.0	48
89	High molecular weight polyacrylamides by atom transfer radical polymerization: Enabling advancements in waterâ€based applications. Journal of Polymer Science Part A, 2012, 50, 181-186.	2.5	47
90	Aqueous Polymer Selfâ€Assembly Based on Cucurbit[n]urilâ€Mediated Hostâ€Guest Interactions. Macromolecular Chemistry and Physics, 2016, 217, 319-332.	1.1	47

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91	Natural polymers as alternative consolidants for the preservation of waterlogged archaeological wood. Studies in Conservation, 2017, 62, 173-183.	0.6	47
92	Plasmon-directed polymerization: Regulating polymer growth with light. Nano Research, 2018, 11, 6384-6390.	5.8	47
93	Quantitative Supramolecular Heterodimerization for Efficient Energy Transfer. Angewandte Chemie - International Edition, 2020, 59, 15963-15967.	7.2	47
94	Biomimetic Supramolecular Fibers Exhibit Waterâ€Induced Supercontraction. Advanced Materials, 2018, 30, e1707169.	11.1	46
95	Supramolecular colloidosomes: fabrication, characterisation and triggered release of cargo. Chemical Communications, 2014, 50, 7048-7051.	2.2	45
96	Electrostatically Directed Selfâ€Assembly of Ultrathin Supramolecular Polymer Microcapsules. Advanced Functional Materials, 2015, 25, 4091-4100.	7.8	44
97	A supramolecular route towards coreâ€“shell polymeric microspheres in water via cucurbit[8]uril complexation. Chemical Communications, 2012, 48, 8757.	2.2	43
98	Modular supramolecular dimerization of optically tunable extended aryl viologens. Chemical Science, 2019, 10, 8806-8811.	3.7	43
99	Hostâ€“Guest Chemistry Meets Electrocatalysis: Cucurbit[6]uril on a Au Surface as a Hybrid System in CO₂ Reduction. ACS Catalysis, 2020, 10, 751-761.	5.5	43
100	Eliminating irreproducibility in SERS substrates. Journal of Raman Spectroscopy, 2021, 52, 412-419.	1.2	42
101	Supramolecular polymer networks based on cucurbit[8]uril hostâ€“guest interactions as aqueous photo-rheological fluids. Polymer Chemistry, 2015, 6, 7652-7657.	1.9	41
102	Probing cucurbit[8]uril-mediated supramolecular block copolymer assembly in water using diffusion NMR. Polymer Chemistry, 2010, 1, 1434.	1.9	39
103	Size Selective Supramolecular Cages from Aryl-Bisimidazolium Derivatives and Cucurbit[8]uril. Organic Letters, 2011, 13, 3044-3047.	2.4	39
104	Facile Method for Preparing Surface-Mounted Cucurbit[8]uril-Based Rotaxanes. Langmuir, 2014, 30, 10926-10932.	1.6	39
105	Host-Enhanced Phenyl-Perfluorophenyl Polarâˆ'Ï€ Interactions. Journal of the American Chemical Society, 2020, 142, 7356-7361.	6.6	38
106	Electrokinetic Assembly of One-Dimensional Nanoparticle Chains with Cucurbit[7]uril Controlled Subnanometer Junctions. Nano Letters, 2013, 13, 6016-6022.	4.5	36
107	Supramolecular alignment of gold nanorods via cucurbit[8]uril ternary complex formation. Nanoscale, 2013, 5, 5299.	2.8	35
108	Aqueous interfacial gels assembled from small molecule supramolecular polymers. Chemical Science, 2017, 8, 1350-1355.	3.7	35

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109	Dynamic Interfacial Adhesion through Cucurbit[n]uril Molecular Recognition. Angewandte Chemie, 2018, 130, 8992-8996.	1.6	35
110	Anomalously Large Spectral Shifts near the Quantum Tunnelling Limit in Plasmonic Rulers with Subatomic Resolution. Nano Letters, 2019, 19, 2051-2058.	4.5	35
111	Formation of Cucurbit[8]uril-Based Supramolecular Hydrogel Beads Using Droplet-Based Microfluidics. Biomacromolecules, 2015, 16, 2743-2749.	2.6	34
112	Monitoring Earlyâ€Stage Nanoparticle Assembly in Microdroplets by Optical Spectroscopy and SERS. Small, 2016, 12, 1788-1796.	5.2	34
113	Designing Nextâ€Generation Local Drug Delivery Vehicles for Glioblastoma Adjuvant Chemotherapy: Lessons from the Clinic. Advanced Healthcare Materials, 2019, 8, e1801391.	3.9	34
114	Cucurbit[8]urilâ€Regulated Nanopatterning of Binary Polymer Brushes via Colloidal Templating. Advanced Materials, 2015, 27, 7957-7962.	11.1	33
115	Microfluidic Droplet-Facilitated Hierarchical Assembly for Dual Cargo Loading and Synergistic Delivery. ACS Applied Materials & Interfaces, 2016, 8, 8811-8820.	4.0	33
116	Hollow mesoporous raspberry-like colloids with removable caps as photoresponsive nanocontainers. Nanoscale, 2016, 8, 7840-7844.	2.8	33
117	Patterned Arrays of Supramolecular Microcapsules. Advanced Functional Materials, 2018, 28, 1800550.	7.8	31
118	Imidazolium-modification enhances photocatalytic CO₂ reduction on ZnSe quantum dots. Chemical Science, 2021, 12, 9078-9087.	3.7	31
119	Mechanically matching the rheological properties of brain tissue for drug-delivery in human glioblastoma models. Biomaterials, 2021, 276, 120919.	5.7	31
120	Polymerâ€Mediated Dispersion of Gold Nanoparticles: Using Supramolecular Moieties on the Periphery. Advanced Materials, 2009, 21, 3937-3940.	11.1	29
121	Cucurbit[7]uril as a Supramolecular Artificial Enzyme for Dielsâ€“Alder Reactions. Angewandte Chemie, 2017, 129, 15894-15898.	1.6	29
122	Emerging Two-Dimensional Crystallization of Cucurbit[8]uril Complexes: From Supramolecular Polymers to Nanofibers. Journal of the American Chemical Society, 2019, 141, 14021-14025.	6.6	29
123	Cucurbit[8]uril-mediated pseudo[2,3]rotaxanes. Chemical Communications, 2019, 55, 13227-13230.	2.2	29
124	Light-triggered syneresis of a water insoluble peptide-hydrogel effectively removes small molecule waste contaminants. Chemical Communications, 2020, 56, 3393-3396.	2.2	29
125	Stimulus-Mediated Ultrastable Radical Formation. CheM, 2020, 6, 1819-1830.	5.8	28
126	Inhibiting Analyte Theft in Surface-Enhanced Raman Spectroscopy Substrates: Subnanomolar Quantitative Drug Detection. ACS Sensors, 2019, 4, 2988-2996.	4.0	27

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127	Mechanical Characterization of Human Brain Tissue and Soft Dynamic Gels Exhibiting Electromechanical Neuroâ€Mimicry. Advanced Healthcare Materials, 2019, 8, e1900068.	3.9	27
128	Cascaded nanooptics to probe microsecond atomic-scale phenomena. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14819-14826.	3.3	27
129	DESolution of CD and CB Macrocycles. Chemistry - A European Journal, 2017, 23, 8601-8604.	1.7	26
130	Mapping SERS in CB:Au Plasmonic Nanoaggregates. ACS Photonics, 2017, 4, 2681-2686.	3.2	23
131	Photo-induced interfacial electron transfer of ZnO nanocrystals to control supramolecular assembly in water. Nanoscale, 2017, 9, 16128-16132.	2.8	23
132	Viscoelastic Hydrogel Microfibers Exploiting Cucurbit[8]uril Hostâ€“Guest Chemistry and Microfluidics. ACS Applied Materials & Interfaces, 2020, 12, 17929-17935.	4.0	23
133	Hostâ€“Guest Induced Peptide Folding with Sequence-Specific Structural Chirality. Journal of the American Chemical Society, 2021, 143, 6323-6327.	6.6	23
134	Dual-responsive supramolecular colloidal microcapsules from cucurbit[8]uril molecular recognition in microfluidic droplets. Polymer Chemistry, 2016, 7, 5996-6002.	1.9	22
135	Decreasing amyloid toxicity through an increased rate of aggregation. Physical Chemistry Chemical Physics, 2017, 19, 1458-1465.	1.3	22
136	Oligopeptide-CB[8] complexation with switchable binding pathways. Organic and Biomolecular Chemistry, 2019, 17, 3514-3520.	1.5	22
137	Polymer deaggregation and assembly controlled by a double cavity cucurbituril. Supramolecular Chemistry, 2010, 22, 683-690.	1.5	21
138	Turning Cucurbit[8]uril into a Supramolecular Nanoreactor for Asymmetric Catalysis. Angewandte Chemie, 2015, 127, 13199-13203.	1.6	20
139	Catalytic polymeric nanocomposites via cucurbit[n]uril hostâ€“guest interactions. Nanoscale, 2015, 7, 13416-13419.	2.8	20
140	Single-Molecule Force Spectroscopy Quantification of Adhesive Forces in Cucurbit[8]Uril Hostâ€“Guest Ternary Complexes. Langmuir, 2017, 33, 1343-1350.	1.6	20
141	Toward a versatile toolbox for cucurbit[n]urilâ€based supramolecular hydrogel networks through in situ polymerization. Journal of Polymer Science Part A, 2017, 55, 3105-3109.	2.5	20
142	Smart supramolecular sensing with cucurbit[n]urils: probing hydrogen bonding with SERS. Faraday Discussions, 2017, 205, 505-515.	1.6	20
143	A Dynamic and Responsive Host in Action: Lightâ€Controlled Molecular Encapsulation. Angewandte Chemie, 2016, 128, 16330-16334.	1.6	19
144	Predicting the pore-filling ratio in lumen-impregnated wood. Wood Science and Technology, 2017, 51, 1277-1290.	1.4	18

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145	A simple supramolecular assay for drug detection in urine. Chemical Communications, 2017, 53, 8842-8845.	2.2	17
146	Activation Energies Control the Macroscopic Properties of Physically Crossâ€Linked Materials. Angewandte Chemie, 2014, 126, 10202-10207.	1.6	16
147	Microcapsule Buckling Triggered by Compression-Induced Interfacial Phase Change. Langmuir, 2016, 32, 10987-10994.	1.6	16
148	Magnetic Regulation of Thermoâ€Chemotherapy from a Cucurbit[7]urilâ€Crosslinked Hybrid Hydrogel. Advanced Healthcare Materials, 2019, 8, e1801458.	3.9	16
149	Tunable Pentapeptide Selfâ€Assembled Î²â€Sheet Hydrogels. Angewandte Chemie, 2018, 130, 7835-7839.	1.6	16
150	Nanoparticle surfactants for kinetically arrested photoactive assemblies to track light-induced electron transfer. Nature Nanotechnology, 2021, 16, 1121-1129.	15.6	16
151	A facile route to ureidopyrimidinoneâ€functionalized polymers via RAFT. Journal of Polymer Science Part A, 2010, 48, 5833-5841.	2.5	15
152	Surfaceâ€Bound Cucurbit[8]uril Catenanes on Magnetic Nanoparticles Exhibiting Molecular Recognition. Chemistry - an Asian Journal, 2016, 11, 2382-2386.	1.7	15
153	Cucurbit[8]uril-Derived Graphene Hydrogels. ACS Macro Letters, 2019, 8, 1629-1634.	2.3	15
154	Breaking the Selection Rules of Spin-Forbidden Molecular Absorption in Plasmonic Nanocavities. ACS Photonics, 2020, 7, 2337-2342.	3.2	15
155	Modulating the oxidation of cucurbit[n]urils. Organic and Biomolecular Chemistry, 2017, 15, 998-1005.	1.5	14
156	Plasmon-Induced Trap State Emission from Single Quantum Dots. Physical Review Letters, 2021, 126, 047402.	2.9	14
157	A nanoparticle solution. Nature Materials, 2014, 13, 231-232.	13.3	13
158	Hybrid Supramolecular and Colloidal Hydrogels that Bridge Multiple Length Scales. Angewandte Chemie, 2015, 127, 5473-5478.	1.6	12
159	Hybrid organicâ€“inorganic supramolecular hydrogel reinforced with CePO₄ nanowires. Polymer Chemistry, 2016, 7, 6485-6489.	1.9	12
160	Cucurbit[8]urilâ€Regulated Colloidal Dispersions Exhibiting Photocontrolled Rheological Behavior. Small, 2018, 14, e1703352.	5.2	12
161	Aryl-viologen pentapeptide self-assembled conductive nanofibers. Chemical Communications, 2019, 55, 7354-7357.	2.2	12
162	Preferential binding of unsaturated hydrocarbons in aryl-bisimidazoliumÂ·cucurbit[8]uril complexes furbishes evidence for small-molecule Ï€â€“Ï€ interactions. Chemical Science, 2019, 10, 10240-10246.	3.7	12

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163	Isolation of cucurbit[n]uril homologues with imidazolium salts in a recyclable manner. Green Chemistry, 2012, 14, 2445.	4.6	10
164	Surface-immobilised micelles via cucurbit[8]uril-rotaxanes for solvent-induced burst release. Chemical Communications, 2015, 51, 4858-4860.	2.2	10
165	High Affinity Recognition of a Selected Amino Acid Epitope within a Protein by Cucurbit[8]uril Complexation. Angewandte Chemie, 2016, 128, 14206-14210.	1.6	10
166	Plasmon-induced optical control over dithionite-mediated chemical redox reactions. Faraday Discussions, 2019, 214, 455-463.	1.6	10
167	A selective supramolecular photochemical sensor for dopamine. Supramolecular Chemistry, 2014, 26, 280-285.	1.5	9
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