Oren A Scherman

List of Publications by Citations

196 papers	13,172 citations	56 h-index	111 g-index
211 ext. papers	15,138 ext. citations	10.9 avg, IF	6.85 L-index

#	Paper	IF	Citations
196	Cucurbituril-Based Molecular Recognition. *Chemical Reviews*, **2015**, 115, 12320-406	68.1	1115
195	Single-molecule strong coupling at room temperature in plasmonic nanocavities. *Nature*, **2016**, 535, 127-30	38.1	1009
194	Supramolecular polymeric hydrogels. *Chemical Society Reviews*, **2012**, 41, 6195-214	58.5	836
193	Supramolecular cross-linked networks via host-guest complexation with cucurbit[8]uril. *Journal of the American Chemical Society*, **2010**, 132, 14251-60	16.4	483
192	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, 15318-23	16.4	380
191	Ultrahigh-water-content supramolecular hydrogels exhibiting multistimuli responsiveness. *Journal of the American Chemical Society*, **2012**, 134, 11767-73	16.4	371
190	One-step fabrication of supramolecular microcapsules from microfluidic droplets. *Science*, **2012**, 335, 690-4	33.3	365
189	Supramolecular chemistry at interfaces: host-guest interactions for fabricating multifunctional biointerfaces. *Accounts of Chemical Research*, **2014**, 47, 2106-15	24.3	359
188	Supramolecular block copolymers with cucurbit[8]uril in water. *Angewandte Chemie - International Edition*, **2008**, 47, 3950-3	16.4	278
187	Precise subnanometer plasmonic junctions for SERS within gold nanoparticle assemblies using cucurbit[n]uril "glue". *ACS Nano*, **2011**, 5, 3878-87	16.7	272
186	Tough Supramolecular Polymer Networks with Extreme Stretchability and Fast Room-Temperature Self-Healing. *Advanced Materials*, **2017**, 29, 1605325	24	234
185	Photocontrol over cucurbit[8]uril complexes: stoichiometry and supramolecular polymers. *Journal of the American Chemical Society*, **2013**, 135, 11760-3	16.4	225
184	Healable, Stable and Stiff Hydrogels: Combining Conflicting Properties Using Dynamic and Selective Three-Component Recognition with Reinforcing Cellulose Nanorods. *Advanced Functional Materials*, **2014**, 24, 2706-2713	15.6	197
183	Supramolecular polymerization promoted and controlled through self-sorting. *Angewandte Chemie - International Edition*, **2014**, 53, 5351-5	16.4	182
182	Strongly fluorescent, switchable perylene bis(diimide) host-guest complexes with cucurbit[8]uril in water. *Angewandte Chemie - International Edition*, **2012**, 51, 7739-43	16.4	169
181	Responsive Double Network Hydrogels of Interpenetrating DNA and CB[8] Host-Guest Supramolecular Systems. *Advanced Materials*, **2015**, 27, 3298-304	24	163
180	Biomimetic Supramolecular Polymer Networks Exhibiting both Toughness and Self-Recovery. *Advanced Materials*, **2017**, 29, 1604951	24	148

179	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	243	143
178	Orthogonal switching of a single supramolecular complex. *Nature Communications*, **2012**, 3, 1207	17.4	140
177	Cucurbit[8]uril and blue-box: high-energy water release overwhelms electrostatic interactions. *Journal of the American Chemical Society*, **2013**, 135, 14879-88	16.4	136
176	Formation of single-chain polymer nanoparticles in water through host-guest interactions. *Angewandte Chemie - International Edition*, **2012**, 51, 4185-9	16.4	133
175	Sustained release of proteins from high water content supramolecular polymer hydrogels. *Biomaterials*, **2012**, 33, 4646-52	15.6	128
174	Quantitative SERS using the sequestration of small molecules inside precise plasmonic nanoconstructs. *Nano Letters*, **2012**, 12, 5924-8	11.5	123
173	Threading plasmonic nanoparticle strings with light. *Nature Communications*, **2014**, 5, 4568	17.4	118
172	Cucurbit[8]uril mediated donor-acceptor ternary complexes: a model system for studying charge-transfer interactions. *Journal of Physical Chemistry B*, **2012**, 116, 2842-9	3.4	113
171	Formation of dynamic aggregates in water by cucurbit[5]uril capped with gold nanoparticles. *Chemical Communications*, **2010**, 46, 2438-40	5.8	110
170	Light-induced actuating nanotransducers. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 5503-7	11.5	108
169	A supramolecular route for reversible protein-polymer conjugation. *Chemical Science*, **2011**, 2, 279-286	9.4	106
168	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, 8606-15	3.4	104
167	The Importance of Excess Poly(N-isopropylacrylamide) for the Aggregation of Poly(N-isopropylacrylamide)-Coated Gold Nanoparticles. *ACS Nano*, **2016**, 10, 3158-65	16.7	98
166	Photoresponsive hybrid raspberry-like colloids based on cucurbit[8]uril host-guest interactions. *Angewandte Chemie - International Edition*, **2014**, 53, 2166-9	16.4	90
165	Activation energies control the macroscopic properties of physically cross-linked materials. *Angewandte Chemie - International Edition*, **2014**, 53, 10038-43	16.4	84
164	Benzobis(imidazolium)-cucurbit[8]uril complexes for binding and sensing aromatic compounds in aqueous solution. *Chemistry - A European Journal*, **2010**, 16, 13716-22	4.8	84
163	Supramolecular gold nanoparticle-polymer composites formed in water with cucurbit[8]uril. *Chemical Communications*, **2011**, 47, 164-6	5.8	82
162	Plasmonic tunnel junctions for single-molecule redox chemistry. *Nature Communications*, **2017**, 8, 994	17.4	81

161	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	11.5	76
160	Cucurbituril: At the Interface of Small Molecule Host□Guest Chemistry and Dynamic Aggregates. *Israel Journal of Chemistry*, **2011**, 51, 537-550	3.4	75
159	Triggered insulin release studies of triply responsive supramolecular micelles. *Polymer Chemistry*, **2012**, 3, 3180	4.9	72
158	Enhanced stability and activity of temozolomide in primary glioblastoma multiforme cells with cucurbit[n]uril. *Chemical Communications*, **2012**, 48, 9843-5	5.8	71
157	Hybrid supramolecular and colloidal hydrogels that bridge multiple length scales. *Angewandte Chemie - International Edition*, **2015**, 54, 5383-8	16.4	69
156	Interfacial assembly of dendritic microcapsules with host-guest chemistry. *Nature Communications*, **2014**, 5, 5772	17.4	69
155	The control of cargo release from physically crosslinked hydrogels by crosslink dynamics. *Biomaterials*, **2014**, 35, 9897-9903	15.6	68
154	A systems approach to controlling supramolecular architecture and emergent solution properties via host-guest complexation in water. *Journal of the American Chemical Society*, **2010**, 132, 15734-43	16.4	68
153	Cucurbit[n]uril Supramolecular Hydrogel Networks as Tough and Healable Adhesives. *Advanced Functional Materials*, **2018**, 28, 1800848	15.6	67
152	A facile synthesis of dynamic supramolecular aggregates of cucurbit[n]uril (n=5-8) capped with gold nanoparticles in aqueous media. *Chemistry - A European Journal*, **2012**, 18, 1628-33	4.8	67
151	Supramolecular hydrogel microcapsules cucurbit[8]uril host-guest interactions with triggered and UV-controlled molecular permeability. *Chemical Science*, **2015**, 6, 4929-4933	9.4	65
150	Quantitative multiplexing with nano-self-assemblies in SERS. *Scientific Reports*, **2014**, 4, 6785	4.9	63
149	Light-Regulated Molecular Trafficking in a Synthetic Water-Soluble Host. *Journal of the American Chemical Society*, **2016**, 138, 5745-8	16.4	63
148	Turning Cucurbit[8]uril into a Supramolecular Nanoreactor for Asymmetric Catalysis. *Angewandte Chemie - International Edition*, **2015**, 54, 13007-11	16.4	60
147	Postpolymerization Modification of Hydroxyl-Functionalized Polymers with Isocyanates. *Macromolecules*, **2011**, 44, 4828-4835	5.5	60
146	Preparation and Supramolecular Recognition of Multivalent Peptide-Polysaccharide Conjugates by Cucurbit[8]uril in Hydrogel Formation. *Biomacromolecules*, **2015**, 16, 2436-43	6.9	59
145	Supramolecular Chemistry of Cucurbiturils: Tuning Cooperativity with Multiple Noncovalent Interactions from Positive to Negative. *Langmuir*, **2016**, 32, 12352-12360	4	59
144	Metastable single-chain polymer nanoparticles prepared by dynamic cross-linking with nor-seco-cucurbit[10]uril. *Chemical Science*, **2012**, 3, 2278	9.4	58

143	Observing Single Molecules Complexing with Cucurbit[7]uril through Nanogap Surface-Enhanced Raman Spectroscopy. *Journal of Physical Chemistry Letters*, **2016**, 7, 704-10	6.4	57
142	Mining 2:2 Complexes from 1:1 Stoichiometry: Formation of Cucurbit[8]uril-Diarylviologen Quaternary Complexes Favored by Electron-Donating Substituents. *Journal of the American Chemical Society*, **2017**, 139, 3202-3208	16.4	56
141	Tunable Pentapeptide Self-Assembled β-Sheet Hydrogels. *Angewandte Chemie - International Edition*, **2018**, 57, 7709-7713	16.4	56
140	Site-selective immobilization of colloids on Au substrates via a noncovalent supramolecular "handcuff". *Langmuir*, **2010**, 26, 5323-8	4	55
139	Cucurbit[7]uril as a Supramolecular Artificial Enzyme for Diels-Alder Reactions. *Angewandte Chemie - International Edition*, **2017**, 56, 15688-15692	16.4	54
138	Raman and SERS spectroscopy of cucurbit[n]urils. *Physical Chemistry Chemical Physics*, **2010**, 12, 10429-33	3.6	53
137	Host–guest accelerated photodimerisation of anthracene-labeled macromolecules in water. *Polymer Chemistry*, **2014**, 5, 5375	4.9	52
136	Dynamic Interfacial Adhesion through Cucurbit[n]uril Molecular Recognition. *Angewandte Chemie - International Edition*, **2018**, 57, 8854-8858	16.4	51
135	A Dynamic and Responsive Host in Action: Light-Controlled Molecular Encapsulation. *Angewandte Chemie - International Edition*, **2016**, 55, 16096-16100	16.4	48
134	Dynamically crosslinked materials via recognition of amino acids by cucurbit[8]uril. *Journal of Materials Chemistry B*, **2013**, 1, 2904-2910	7.3	48
133	Light-Directed Tuning of Plasmon Resonances via Plasmon-Induced Polymerization Using Hot Electrons. *ACS Photonics*, **2017**, 4, 1453-1458	6.3	47
132	Peptide separation through a CB[8]-mediated supramolecular trap-and-release process. *Langmuir*, **2011**, 27, 1387-90	4	46
131	Energy and Electron Transfer Dynamics within a Series of Perylene Diimide/Cyclophane Systems. *Journal of the American Chemical Society*, **2015**, 137, 15299-307	16.4	45
130	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	16.4	45
129	An adherent tissue-inspired hydrogel delivery vehicle utilised in primary human glioma models. *Biomaterials*, **2018**, 179, 199-208	15.6	45
128	High molecular weight polyacrylamides by atom transfer radical polymerization: Enabling advancements in water-based applications. *Journal of Polymer Science Part A*, **2012**, 50, 181-186	2.5	44
127	Unfolding the contents of sub-nm plasmonic gaps using normalising plasmon resonance spectroscopy. *Faraday Discussions*, **2015**, 178, 185-93	3.6	43
126	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Self-Healing Scaffolds. *Angewandte Chemie - International Edition*, **2018**, 57, 3079-3083	16.4	43

125	Decoupled Associative and Dissociative Processes in Strong yet Highly Dynamic Host-Guest Complexes. *Journal of the American Chemical Society*, **2017**, 139, 12985-12993	16.4	43
124	Strongly Fluorescent, Switchable Perylene Bis(diimide) Host–Guest Complexes with Cucurbit[8]uril In Water. *Angewandte Chemie*, **2012**, 124, 7859-7863	3.6	43
123	Supramolecular Polymerization Promoted and Controlled through Self-Sorting. *Angewandte Chemie*, **2014**, 126, 5455-5459	3.6	42
122	Aqueous Polymer Self-Assembly Based on Cucurbit[n]uril-Mediated Host-Guest Interactions. *Macromolecular Chemistry and Physics*, **2016**, 217, 319-332	2.6	42
121	Cucurbit[8]uril directed stimuli-responsive supramolecular polymer brushes for dynamic surface engineering. *Chemical Science*, **2015**, 6, 5303-5310	9.4	41
120	Gold nanorods with sub-nanometer separation using cucurbit[n]uril for SERS applications. *Small*, **2014**, 10, 4298-303	11	41
119	Controlling Spatiotemporal Mechanics of Supramolecular Hydrogel Networks with Highly Branched Cucurbit[8]uril Polyrotaxanes. *Advanced Functional Materials*, **2018**, 28, 1702994	15.6	41
118	A supramolecular route towards core-shell polymeric microspheres in water via cucurbit[8]uril complexation. *Chemical Communications*, **2012**, 48, 8757-9	5.8	40
117	Natural polymers as alternative consolidants for the preservation of waterlogged archaeological wood. *Studies in Conservation*, **2017**, 62, 173-183	0.6	39
116	Modulating stiffness with photo-switchable supramolecular hydrogels. *Polymer Chemistry*, **2019**, 10, 467-472	4.9	39
115	A comparison of choline:urea and choline:oxalic acid deep eutectic solvents at 338 K. *Journal of Chemical Physics*, **2018**, 148, 193823	3.9	39
114	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, 17743-8	11.5	39
113	Supramolecular colloidosomes: fabrication, characterisation and triggered release of cargo. *Chemical Communications*, **2014**, 50, 7048-51	5.8	39
112	Supramolecular polymer networks based on cucurbit[8]uril host–guest interactions as aqueous photo-rheological fluids. *Polymer Chemistry*, **2015**, 6, 7652-7657	4.9	38
111	Poly(ADP-Ribose) Links the DNA Damage Response and Biomineralization. *Cell Reports*, **2019**, 27, 3124-3138.e13	8.8	37
110	Facile method for preparing surface-mounted cucurbit[8]uril-based rotaxanes. *Langmuir*, **2014**, 30, 10926-32	4	37
109	Probing cucurbit[8]uril-mediated supramolecular block copolymer assembly in water using diffusion NMR. *Polymer Chemistry*, **2010**, 1, 1434	4.9	36
108	Size selective supramolecular cages from aryl-bisimidazolium derivatives and cucurbit[8]uril. *Organic Letters*, **2011**, 13, 3044-7	6.2	36

107	Distinguishing relaxation dynamics in transiently crosslinked polymeric networks. *Polymer Chemistry*, **2017**, 8, 5336-5343	4.9	35
106	Unexpected stability of aqueous dispersions of raspberry-like colloids. *Nature Communications*, **2018**, 9, 3614	17.4	35
105	Chemical composition of processed bamboo for structural applications. *Cellulose*, **2018**, 25, 3255-3266	5.5	34
104	Plasmon-directed polymerization: Regulating polymer growth with light. *Nano Research*, **2018**, 11, 6384-6390	8	34
103	Electrostatically Directed Self-Assembly of Ultrathin Supramolecular Polymer Microcapsules. *Advanced Functional Materials*, **2015**, 25, 4091-4100	15.6	32
102	Hollow mesoporous raspberry-like colloids with removable caps as photoresponsive nanocontainers. *Nanoscale*, **2016**, 8, 7840-4	7.7	31
101	Supramolecular alignment of gold nanorods via cucurbit[8]uril ternary complex formation. *Nanoscale*, **2013**, 5, 5299-302	7.7	31
100	Biomimetic Supramolecular Fibers Exhibit Water-Induced Supercontraction. *Advanced Materials*, **2018**, 30, e1707169	24	31
99	Electrokinetic assembly of one-dimensional nanoparticle chains with cucurbit[7]uril controlled subnanometer junctions. *Nano Letters*, **2013**, 13, 6016-22	11.5	30
98	Formation of Cucurbit[8]uril-Based Supramolecular Hydrogel Beads Using Droplet-Based Microfluidics. *Biomacromolecules*, **2015**, 16, 2743-9	6.9	29
97	Modular supramolecular dimerization of optically tunable extended aryl viologens. *Chemical Science*, **2019**, 10, 8806-8811	9.4	29
96	Cucurbit[8]uril-Regulated Nanopatterning of Binary Polymer Brushes via Colloidal Templating. *Advanced Materials*, **2015**, 27, 7957-62	24	28
95	Polymer-Mediated Dispersion of Gold Nanoparticles: Using Supramolecular Moieties on the Periphery. *Advanced Materials*, **2009**, 21, 3937-3940	24	28
94	Citrate Coordination and Bridging of Gold Nanoparticles: The Role of Gold Adatoms in AuNP Aging. *ACS Nano*, **2020**, 14, 8689-8696	16.7	27
93	Monitoring Early-Stage Nanoparticle Assembly in Microdroplets by Optical Spectroscopy and SERS. *Small*, **2016**, 12, 1788-96	11	27
92	Design Principles for Aqueous Interactive Materials: Lessons from Small Molecules and Stimuli-Responsive Systems. *Advanced Materials*, **2020**, 32, e1906890	24	26
91	Anomalously Large Spectral Shifts near the Quantum Tunnelling Limit in Plasmonic Rulers with Subatomic Resolution. *Nano Letters*, **2019**, 19, 2051-2058	11.5	25
90	Aqueous interfacial gels assembled from small molecule supramolecular polymers. *Chemical Science*, **2017**, 8, 1350-1355	9.4	25

89	Controlling the structure and photophysics of fluorophore dimers using multiple cucurbit[8]uril clampings. *Chemical Science*, **2019**, 11, 812-825	9.4	25
88	Cucurbit[7]uril as a Supramolecular Artificial Enzyme for Diels Alder Reactions. *Angewandte Chemie*, **2017**, 129, 15894-15898	3.6	24
87	Patterned Arrays of Supramolecular Microcapsules. *Advanced Functional Materials*, **2018**, 28, 1800550	15.6	24
86	Microfluidic Droplet-Facilitated Hierarchical Assembly for Dual Cargo Loading and Synergistic Delivery. *ACS Applied Materials & Interfaces*, **2016**, 8, 8811-20	9.5	24
85	Host-Guest Chemistry Meets Electrocatalysis: Cucurbit[6]uril on a Au Surface as a Hybrid System in CO Reduction. *ACS Catalysis*, **2020**, 10, 751-761	13.1	24
84	Supramolecular Peptide Amphiphile Vesicles through Host Guest Complexation. *Angewandte Chemie*, **2012**, 124, 9771-9775	3.6	23
83	Highly compressible glass-like supramolecular polymer networks. *Nature Materials*, **2021**,	27	23
82	Emerging Two-Dimensional Crystallization of Cucurbit[8]uril Complexes: From Supramolecular Polymers to Nanofibers. *Journal of the American Chemical Society*, **2019**, 141, 14021-14025	16.4	22
81	Quantitative Supramolecular Heterodimerization for Efficient Energy Transfer. *Angewandte Chemie - International Edition*, **2020**, 59, 15963-15967	16.4	21
80	DESolution of CD and CB Macrocycles. *Chemistry - A European Journal*, **2017**, 23, 8601-8604	4.8	20
79	Mapping SERS in CB:Au Plasmonic Nanoaggregates. *ACS Photonics*, **2017**, 4, 2681-2686	6.3	20
78	Designing Next-Generation Local Drug Delivery Vehicles for Glioblastoma Adjuvant Chemotherapy: Lessons from the Clinic. *Advanced Healthcare Materials*, **2019**, 8, e1801391	10.1	20
77	Catalytic polymeric nanocomposites via cucurbit[n]uril host-guest interactions. *Nanoscale*, **2015**, 7, 13416-9	7.7	20
76	Dynamic Interfacial Adhesion through Cucurbit[n]uril Molecular Recognition. *Angewandte Chemie*, **2018**, 130, 8992-8996	3.6	20
75	Cucurbit[8]uril-mediated pseudo[2,3]rotaxanes. *Chemical Communications*, **2019**, 55, 13227-13230	5.8	18
74	Decreasing amyloid toxicity through an increased rate of aggregation. *Physical Chemistry Chemical Physics*, **2017**, 19, 1458-1465	3.6	17
73	Host-Enhanced Phenyl-Perfluorophenyl Polar- Interactions. *Journal of the American Chemical Society*, **2020**, 142, 7356-7361	16.4	17
72	Turning Cucurbit[8]uril into a Supramolecular Nanoreactor for Asymmetric Catalysis. *Angewandte Chemie*, **2015**, 127, 13199-13203	3.6	17

71	Oligopeptide-CB[8] complexation with switchable binding pathways. *Organic and Biomolecular Chemistry*, **2019**, 17, 3514-3520	3.9	16
70	A simple supramolecular assay for drug detection in urine. *Chemical Communications*, **2017**, 53, 8842-8845	5.8	16
69	Polymer deaggregation and assembly controlled by a double cavity cucurbituril. *Supramolecular Chemistry*, **2010**, 22, 683-690	1.8	16
68	Dual-responsive supramolecular colloidal microcapsules from cucurbit[8]uril molecular recognition in microfluidic droplets. *Polymer Chemistry*, **2016**, 7, 5996-6002	4.9	16
67	Single-Molecule Force Spectroscopy Quantification of Adhesive Forces in Cucurbit[8]Uril Host-Guest Ternary Complexes. *Langmuir*, **2017**, 33, 1343-1350	4	15
66	Inhibiting Analyte Theft in Surface-Enhanced Raman Spectroscopy Substrates: Subnanomolar Quantitative Drug Detection. *ACS Sensors*, **2019**, 4, 2988-2996	9.2	15
65	A Dynamic and Responsive Host in Action: Light-Controlled Molecular Encapsulation. *Angewandte Chemie*, **2016**, 128, 16330-16334	3.6	15
64	Formulation of Metal-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	16.4	15
63	Mechanical Characterization of Human Brain Tissue and Soft Dynamic Gels Exhibiting Electromechanical Neuro-Mimicry. *Advanced Healthcare Materials*, **2019**, 8, e1900068	10.1	14
62	Microcapsule Buckling Triggered by Compression-Induced Interfacial Phase Change. *Langmuir*, **2016**, 32, 10987-10994	4	14
61	Predicting the pore-filling ratio in lumen-impregnated wood. *Wood Science and Technology*, **2017**, 51, 1277-1290	2.5	14
60	Photoresponsive Hybrid Raspberry-Like Colloids Based on Cucurbit[8]uril Host–Guest Interactions. *Angewandte Chemie*, **2014**, 126, 2198-2201	3.6	14
59	A facile route to ureidopyrimidinone-functionalized polymers via RAFT. *Journal of Polymer Science Part A*, **2010**, 48, 5833-5841	2.5	14
58	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	11.5	13
57	Surface-Bound Cucurbit[8]uril Catenanes on Magnetic Nanoparticles Exhibiting Molecular Recognition. *Chemistry - an Asian Journal*, **2016**, 11, 2382-6	4.5	13
56	Smart supramolecular sensing with cucurbit[n]urils: probing hydrogen bonding with SERS. *Faraday Discussions*, **2017**, 205, 505-515	3.6	13
55	Activation Energies Control the Macroscopic Properties of Physically Cross-Linked Materials. *Angewandte Chemie*, **2014**, 126, 10202-10207	3.6	13
54	Toward a versatile toolbox for cucurbit[]uril-based supramolecular hydrogel networks through polymerization. *Journal of Polymer Science Part A*, **2017**, 55, 3105-3109	2.5	12

53	Modulating the oxidation of cucurbit[n]urils. *Organic and Biomolecular Chemistry*, **2017**, 15, 998-1005	3.9	12
52	Light-triggered syneresis of a water insoluble peptide-hydrogel effectively removes small molecule waste contaminants. *Chemical Communications*, **2020**, 56, 3393-3396	5.8	12
51	Hybrid Supramolecular and Colloidal Hydrogels that Bridge Multiple Length Scales. *Angewandte Chemie*, **2015**, 127, 5473-5478	3.6	12
50	Formation of Single-Chain Polymer Nanoparticles in Water through Host□Guest Interactions. *Angewandte Chemie*, **2012**, 124, 4261-4265	3.6	12
49	Stimulus-Mediated Ultrastable Radical Formation. *CheM*, **2020**, 6, 1819-1830	16.2	11
48	Gluing gels: A nanoparticle solution. *Nature Materials*, **2014**, 13, 231-2	27	11
47	Photo-induced interfacial electron transfer of ZnO nanocrystals to control supramolecular assembly in water. *Nanoscale*, **2017**, 9, 16128-16132	7.7	11
46	Surface-immobilised micelles via cucurbit[8]uril-rotaxanes for solvent-induced burst release. *Chemical Communications*, **2015**, 51, 4858-60	5.8	10
45	Viscoelastic Hydrogel Microfibers Exploiting Cucurbit[8]uril Host-Guest Chemistry and Microfluidics. *ACS Applied Materials & Interfaces*, **2020**, 12, 17929-17935	9.5	10
44	High Affinity Recognition of a Selected Amino Acid Epitope within a Protein by Cucurbit[8]uril Complexation. *Angewandte Chemie*, **2016**, 128, 14206-14210	3.6	10
43	Hybrid organic□inorganic supramolecular hydrogel reinforced with CePO4 nanowires. *Polymer Chemistry*, **2016**, 7, 6485-6489	4.9	10
42	Eliminating irreproducibility in SERS substrates. *Journal of Raman Spectroscopy*, **2021**, 52, 412-419	2.3	10
41	Tunable Pentapeptide Self-Assembled □Sheet Hydrogels. *Angewandte Chemie*, **2018**, 130, 7835-7839	3.6	10
40	Temperature- and Voltage-Induced Ligand Rearrangement of a Dynamic Electroluminescent Metallopolymer. *Angewandte Chemie*, **2014**, 126, 8528-8531	3.6	9
39	Isolation of cucurbit[n]uril homologues with imidazolium salts in a recyclable manner. *Green Chemistry*, **2012**, 14, 2445	10	9
38	Breaking the Selection Rules of Spin-Forbidden Molecular Absorption in Plasmonic Nanocavities. *ACS Photonics*, **2020**, 7, 2337-2342	6.3	9
37	Plasmon-induced optical control over dithionite-mediated chemical redox reactions. *Faraday Discussions*, **2019**, 214, 455-463	3.6	8
36	Aryl-viologen pentapeptide self-assembled conductive nanofibers. *Chemical Communications*, **2019**, 55, 7354-7357	5.8	8

35	Cucurbit[8]uril-Regulated Colloidal Dispersions Exhibiting Photocontrolled Rheological Behavior. *Small*, **2018**, 14, e1703352	11	8
34	Magnetic Regulation of Thermo-Chemotherapy from a Cucurbit[7]uril-Crosslinked Hybrid Hydrogel. *Advanced Healthcare Materials*, **2019**, 8, e1801458	10.1	8
33	Polymeric raspberry-like particles via template-assisted polymerisation. *Polymer Chemistry*, **2019**, 10, 3772-3777	4.9	7
32	Supracolloidal Architectures Self-Assembled in Microdroplets. *Chemistry - A European Journal*, **2015**, 21, 15516-9	4.8	7
31	A selective supramolecular photochemical sensor for dopamine. *Supramolecular Chemistry*, **2014**, 26, 280-285	1.8	7
30	Supramolecular protein-mediated assembly of brain extracellular matrix glycans. *F1000Research*, **2018**, 7, 1827	3.6	7
29	Cell geometry across the ring structure of Sitka spruce. *Journal of the Royal Society Interface*, **2018**, 15,	4.1	7
28	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Self-Healing Scaffolds. *Angewandte Chemie*, **2018**, 130, 3133-3137	3.6	6
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