

Oren A Scherman

List of Publications by Year in descending order

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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	Highly compressible glass-like supramolecular polymer networks. <i>Nature Materials</i> , 2022, 21, 103-109.	13.3	117
2	A Platform Approach to Protein Encapsulates with Controllable Surface Chemistry. <i>Molecules</i> , 2022, 27, 2197.	1.7	2
3	Facile, Energy-Efficient Microscale Fibrillation of Polyacrylamides under Ambient Conditions. <i>Advanced Materials</i> , 2022, 34, e2201577.	11.1	5
4	On-Resin Recognition of Aromatic Oligopeptides and Proteins through Host-Enhanced Heterodimerization. <i>Journal of the American Chemical Society</i> , 2022, 144, 8474-8479.	6.6	4
5	Deconvoluting the Optical Response of Biocompatible Photonic Pigments. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	7
6	Eliminating irreproducibility in SERS substrates. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 412-419.	1.2	42
7	Contact angle as a powerful tool in anisotropic colloid synthesis. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 417-426.	5.0	5
8	Supramolecular hydrogels prepared from fluorescent alkyl pyridinium acrylamide monomers and CB[8]. <i>Polymer Chemistry</i> , 2021, 12, 519-525.	1.9	7
9	Imidazolium-modification enhances photocatalytic CO ₂ reduction on ZnSe quantum dots. <i>Chemical Science</i> , 2021, 12, 9078-9087.	3.7	31
10	Host-Guest Induced Peptide Folding with Sequence-Specific Structural Chirality. <i>Journal of the American Chemical Society</i> , 2021, 143, 6323-6327.	6.6	23
11	Formulation of Metal-Organic Framework-Based Drug Carriers by Controlled Coordination of Methoxy PEG Phosphate: Boosting Colloidal Stability and Redispersibility. <i>Journal of the American Chemical Society</i> , 2021, 143, 13557-13572.	6.6	88
12	Mechanically matching the rheological properties of brain tissue for drug-delivery in human glioblastoma models. <i>Biomaterials</i> , 2021, 276, 120919.	5.7	31
13	Nanoparticle surfactants for kinetically arrested photoactive assemblies to track light-induced electron transfer. <i>Nature Nanotechnology</i> , 2021, 16, 1121-1129.	15.6	16
14	Plasmon-Induced Trap State Emission from Single Quantum Dots. <i>Physical Review Letters</i> , 2021, 126, 047402.	2.9	14
15	Introduction: Molecular Self-Assembly. <i>Chemical Reviews</i> , 2021, 121, 13699-13700.	23.0	48
16	SERSbot: Revealing the Details of SERS Multianalyte Sensing Using Full Automation. <i>ACS Sensors</i> , 2021, 6, 4507-4514.	4.0	7
17	Controlling the structure and photophysics of fluorophore dimers using multiple cucurbit[8]uril clampings. <i>Chemical Science</i> , 2020, 11, 812-825.	3.7	48
18	Host-Guest Chemistry Meets Electrocatalysis: Cucurbit[6]uril on a Au Surface as a Hybrid System in CO ₂ Reduction. <i>ACS Catalysis</i> , 2020, 10, 751-761.	5.5	43

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19	Toward Understanding CB[7]-Based Supramolecular Diels-Alder Catalysis. <i>Frontiers in Chemistry</i> , 2020, 8, 587084.	1.8	6
20	Breaking the Selection Rules of Spin-Forbidden Molecular Absorption in Plasmonic Nanocavities. <i>ACS Photonics</i> , 2020, 7, 2337-2342.	3.2	15
21	Cascaded nanooptics to probe microsecond atomic-scale phenomena. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14819-14826.	3.3	27
22	Quantitative Supramolecular Heterodimerization for Efficient Energy Transfer. <i>Angewandte Chemie</i> , 2020, 132, 16097-16101.	1.6	4
23	Quantitative Supramolecular Heterodimerization for Efficient Energy Transfer. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15963-15967.	7.2	47
24	Citrate Coordination and Bridging of Gold Nanoparticles: The Role of Gold Adatoms in AuNP Aging. <i>ACS Nano</i> , 2020, 14, 8689-8696.	7.3	82
25	Stimulus-Mediated Ultrastable Radical Formation. <i>CheM</i> , 2020, 6, 1819-1830.	5.8	28
26	Viscoelastic Hydrogel Microfibers Exploiting Cucurbit[8]uril Host-Guest Chemistry and Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17929-17935.	4.0	23
27	Design Principles for Aqueous Interactive Materials: Lessons from Small Molecules and Stimuli-Responsive Systems. <i>Advanced Materials</i> , 2020, 32, e1906890.	11.1	50
28	Host-Enhanced Phenyl-Perfluorophenyl Polarizable Interactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 7356-7361.	6.6	38
29	Nanometer control in plasmonic systems through discrete layer-by-layer macrocycle-cation deposition. <i>Nanoscale</i> , 2020, 12, 8706-8710.	2.8	2
30	Applying support-vector machine learning algorithms toward predicting host-guest interactions with cucurbit[7]uril. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 14976-14982.	1.3	3
31	Light-triggered syneresis of a water insoluble peptide-hydrogel effectively removes small molecule waste contaminants. <i>Chemical Communications</i> , 2020, 56, 3393-3396.	2.2	29
32	Transparent Films Made of Highly Scattering Particles. <i>Langmuir</i> , 2020, 36, 911-918.	1.6	4
33	Single-site binding of pyrene to poly(ester-imide)s incorporating long spacer-units: prediction of NMR resonance-patterns from a fractal model. <i>Chemical Science</i> , 2020, 11, 12165-12177.	3.7	1
34	Magnetic Regulation of Thermo-Chemotherapy from a Cucurbit[7]uril-Crosslinked Hybrid Hydrogel. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801458.	3.9	16
35	Modular supramolecular dimerization of optically tunable extended aryl viologens. <i>Chemical Science</i> , 2019, 10, 8806-8811.	3.7	43
36	Emerging Two-Dimensional Crystallization of Cucurbit[8]uril Complexes: From Supramolecular Polymers to Nanofibers. <i>Journal of the American Chemical Society</i> , 2019, 141, 14021-14025.	6.6	29

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37	Designing Next-Generation Local Drug Delivery Vehicles for Glioblastoma Adjuvant Chemotherapy: Lessons from the Clinic. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801391.	3.9	34
38	Inhibiting Analyte Theft in Surface-Enhanced Raman Spectroscopy Substrates: Subnanomolar Quantitative Drug Detection. <i>ACS Sensors</i> , 2019, 4, 2988-2996.	4.0	27
39	Plasmon-induced optical control over dithionite-mediated chemical redox reactions. <i>Faraday Discussions</i> , 2019, 214, 455-463.	1.6	10
40	Modulating stiffness with photo-switchable supramolecular hydrogels. <i>Polymer Chemistry</i> , 2019, 10, 467-472.	1.9	48
41	Aryl-viologen pentapeptide self-assembled conductive nanofibers. <i>Chemical Communications</i> , 2019, 55, 7354-7357.	2.2	12
42	Polymeric raspberry-like particles <i>via</i> template-assisted polymerisation. <i>Polymer Chemistry</i> , 2019, 10, 3772-3777.	1.9	9
43	Poly(ADP-Ribose) Links the DNA Damage Response and Biomineralization. <i>Cell Reports</i> , 2019, 27, 3124-3138.e13.	2.9	58
44	Oligopeptide-CB[8] complexation with switchable binding pathways. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3514-3520.	1.5	22
45	Mechanical Characterization of Human Brain Tissue and Soft Dynamic Gels Exhibiting Electromechanical Neuro-Mimicry. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900068.	3.9	27
46	Anomalously Large Spectral Shifts near the Quantum Tunnelling Limit in Plasmonic Rulers with Subatomic Resolution. <i>Nano Letters</i> , 2019, 19, 2051-2058.	4.5	35
47	Cucurbit[8]uril-mediated pseudo[2,3]rotaxanes. <i>Chemical Communications</i> , 2019, 55, 13227-13230.	2.2	29
48	Supramolecular complexation between chain-folding poly(ester-imide)s and polycyclic aromatics: a fractal-based pattern of NMR ring-current shielding. <i>Polymer Chemistry</i> , 2019, 10, 6641-6650.	1.9	3
49	Cucurbit[8]uril-Derived Graphene Hydrogels. <i>ACS Macro Letters</i> , 2019, 8, 1629-1634.	2.3	15
50	Preferential binding of unsaturated hydrocarbons in aryl-bisimidazolium-cucurbit[8]uril complexes furberishes evidence for small-molecule π - π interactions. <i>Chemical Science</i> , 2019, 10, 10240-10246.	3.7	12
51	Cucurbit[8]uril-Regulated Colloidal Dispersions Exhibiting Photocontrolled Rheological Behavior. <i>Small</i> , 2018, 14, e1703352.	5.2	12
52	A comparison of choline:urea and choline:oxalic acid deep eutectic solvents at 338 K. <i>Journal of Chemical Physics</i> , 2018, 148, 193823.	1.2	48
53	Dynamic Interfacial Adhesion through Cucurbit[<i>n</i>]uril Molecular Recognition. <i>Angewandte Chemie</i> , 2018, 130, 8992-8996.	1.6	35
54	Cucurbit[<i>n</i>]uril Supramolecular Hydrogel Networks as Tough and Healable Adhesives. <i>Advanced Functional Materials</i> , 2018, 28, 1800848.	7.8	98

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55	Dynamic Interfacial Adhesion through Cucurbit[<i>n</i>]uril Molecular Recognition. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8854-8858.	7.2	83
56	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Self-Healing Scaffolds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3079-3083.	7.2	50
57	Chemical composition of processed bamboo for structural applications. <i>Cellulose</i> , 2018, 25, 3255-3266.	2.4	56
58	Patterned Arrays of Supramolecular Microcapsules. <i>Advanced Functional Materials</i> , 2018, 28, 1800550.	7.8	31
59	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Self-Healing Scaffolds. <i>Angewandte Chemie</i> , 2018, 130, 3133-3137.	1.6	6
60	Controlling Spatiotemporal Mechanics of Supramolecular Hydrogel Networks with Highly Branched Cucurbit[8]uril Polyrotaxanes. <i>Advanced Functional Materials</i> , 2018, 28, 1702994.	7.8	65
61	Unexpected stability of aqueous dispersions of raspberry-like colloids. <i>Nature Communications</i> , 2018, 9, 3614.	5.8	57
62	Plasmon-directed polymerization: Regulating polymer growth with light. <i>Nano Research</i> , 2018, 11, 6384-6390.	5.8	47
63	Biomimetic Supramolecular Fibers Exhibit Water-Induced Supercontraction. <i>Advanced Materials</i> , 2018, 30, e1707169.	11.1	46
64	Tunable Pentapeptide Self-Assembled 2D Sheet Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7709-7713.	7.2	93
65	Cell geometry across the ring structure of Sitka spruce. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180144.	1.5	9
66	Tunable Pentapeptide Self-Assembled 2D Sheet Hydrogels. <i>Angewandte Chemie</i> , 2018, 130, 7835-7839.	1.6	16
67	An adherent tissue-inspired hydrogel delivery vehicle utilised in primary human glioma models. <i>Biomaterials</i> , 2018, 179, 199-208.	5.7	69
68	Stress Dissipation in Cucurbit[8]uril Ternary Complex Small Molecule Adhesives. <i>Langmuir</i> , 2018, 34, 13104-13109.	1.6	8
69	Cucurbit[7]uril-based high-performance catalytic microreactors. <i>Nanoscale</i> , 2018, 10, 14835-14839.	2.8	7
70	Supramolecular protein-mediated assembly of brain extracellular matrix glycans. <i>F1000Research</i> , 2018, 7, 1827.	0.8	8
71	Protein-mediated gelation and nano-scale assembly of unfunctionalized hyaluronic acid and chondroitin sulfate. <i>F1000Research</i> , 2018, 7, 1827.	0.8	7
72	Natural polymers as alternative consolidants for the preservation of waterlogged archaeological wood. <i>Studies in Conservation</i> , 2017, 62, 173-183.	0.6	47

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73	Single-Molecule Force Spectroscopy Quantification of Adhesive Forces in Cucurbit[8]Urils "Guest Ternary Complexes. <i>Langmuir</i> , 2017, 33, 1343-1350.	1.6	20
74	Cucurbit[<i>n</i>]uril-Based Microcapsules Self-Assembled within Microfluidic Droplets: A Versatile Approach for Supramolecular Architectures and Materials. <i>Accounts of Chemical Research</i> , 2017, 50, 208-217.	7.6	181
75	Biomimetic Supramolecular Polymer Networks Exhibiting both Toughness and Self-Recovery. <i>Advanced Materials</i> , 2017, 29, 1604951.	11.1	185
76	Time-resolved laser spectroscopy for the in situ characterization of methacrylate monomer flow within spruce. <i>Wood Science and Technology</i> , 2017, 51, 227-242.	1.4	5
77	Mining 2:2 Complexes from 1:1 Stoichiometry: Formation of Cucurbit[8]uril "Diarylviologen Quaternary Complexes Favored by Electron-Donating Substituents. <i>Journal of the American Chemical Society</i> , 2017, 139, 3202-3208.	6.6	75
78	Light-Directed Tuning of Plasmon Resonances via Plasmon-Induced Polymerization Using Hot Electrons. <i>ACS Photonics</i> , 2017, 4, 1453-1458.	3.2	65
79	Toward a versatile toolbox for cucurbit[<i>n</i>]uril-based supramolecular hydrogel networks through <i>in situ</i> polymerization. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3105-3109.	2.5	20
80	Tough Supramolecular Polymer Networks with Extreme Stretchability and Fast Room-Temperature Self-Healing. <i>Advanced Materials</i> , 2017, 29, 1605325.	11.1	347
81	DESolution of CD and CB Macrocycles. <i>Chemistry - A European Journal</i> , 2017, 23, 8601-8604.	1.7	26
82	Decreasing amyloid toxicity through an increased rate of aggregation. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1458-1465.	1.3	22
83	Modulating the oxidation of cucurbit[<i>n</i>]urils. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 998-1005.	1.5	14
84	Plasmonic tunnel junctions for single-molecule redox chemistry. <i>Nature Communications</i> , 2017, 8, 994.	5.8	116
85	Mapping SERS in CB:Au Plasmonic Nanoaggregates. <i>ACS Photonics</i> , 2017, 4, 2681-2686.	3.2	23
86	Cucurbit[7]uril as a Supramolecular Artificial Enzyme for Diels-Alder Reactions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15688-15692.	7.2	84
87	Cucurbit[7]uril as a Supramolecular Artificial Enzyme for Diels-Alder Reactions. <i>Angewandte Chemie</i> , 2017, 129, 15894-15898.	1.6	29
88	Photo-induced interfacial electron transfer of ZnO nanocrystals to control supramolecular assembly in water. <i>Nanoscale</i> , 2017, 9, 16128-16132.	2.8	23
89	A simple supramolecular assay for drug detection in urine. <i>Chemical Communications</i> , 2017, 53, 8842-8845.	2.2	17
90	Smart supramolecular sensing with cucurbit[<i>n</i>]urils: probing hydrogen bonding with SERS. <i>Faraday Discussions</i> , 2017, 205, 505-515.	1.6	20

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91	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
92	Predicting the pore-filling ratio in lumen-impregnated wood. Wood Science and Technology, 2017, 51, 1277-1290.	1.4	18
93	Decoupled Associative and Dissociative Processes in Strong yet Highly Dynamic Host-Guest Complexes. Journal of the American Chemical Society, 2017, 139, 12985-12993.	6.6	56
94	Distinguishing relaxation dynamics in transiently crosslinked polymeric networks. Polymer Chemistry, 2017, 8, 5336-5343.	1.9	49
95	Aqueous interfacial gels assembled from small molecule supramolecular polymers. Chemical Science, 2017, 8, 1350-1355.	3.7	35
96	Supramolecular Chemistry of Cucurbiturils: Tuning Cooperativity with Multiple Noncovalent Interactions from Positive to Negative. Langmuir, 2016, 32, 12352-12360.	1.6	80
97	Aqueous Polymer Self-Assembly Based on Cucurbit[<i>n</i>]uril-Mediated Host-Guest Interactions. Macromolecular Chemistry and Physics, 2016, 217, 319-332.	1.1	47
98	A Dynamic and Responsive Host in Action: Light-Controlled Molecular Encapsulation. Angewandte Chemie, 2016, 128, 16330-16334.	1.6	19
99	Monitoring Early-Stage Nanoparticle Assembly in Microdroplets by Optical Spectroscopy and SERS. Small, 2016, 12, 1788-1796.	5.2	34
100	Light-induced actuating nanotransducers. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5503-5507.	3.3	143
101	Dual-responsive supramolecular colloidal microcapsules from cucurbit[8]uril molecular recognition in microfluidic droplets. Polymer Chemistry, 2016, 7, 5996-6002.	1.9	22
102	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
103	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
104	Hybrid organic-inorganic supramolecular hydrogel reinforced with CePO ₄ nanowires. Polymer Chemistry, 2016, 7, 6485-6489.	1.9	12
105	Surface-Bound Cucurbit[8]uril Catenanes on Magnetic Nanoparticles Exhibiting Molecular Recognition. Chemistry - an Asian Journal, 2016, 11, 2382-2386.	1.7	15
106	A Dynamic and Responsive Host in Action: Light-Controlled Molecular Encapsulation. Angewandte Chemie - International Edition, 2016, 55, 16096-16100.	7.2	62
107	Microcapsule Buckling Triggered by Compression-Induced Interfacial Phase Change. Langmuir, 2016, 32, 10987-10994.	1.6	16
108	Deviation from the anti-Markovnikov rule: a computational study of the regio- and stereoselectivity of diene hydroboration reactions. Theoretical Chemistry Accounts, 2016, 135, 1.	0.5	3

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109	Single-molecule strong coupling at room temperature in plasmonic nanocavities. <i>Nature</i> , 2016, 535, 127-130.	13.7	1,391
110	The Importance of Excess Poly(<i>N</i> -isopropylacrylamide) for the Aggregation of Poly(<i>N</i> -isopropylacrylamide)-Coated Gold Nanoparticles. <i>ACS Nano</i> , 2016, 10, 3158-3165.	7.3	123
111	Observing Single Molecules Complexing with Cucurbit[7]uril through Nanogap Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 704-710.	2.1	73
112	Microfluidic Droplet-Facilitated Hierarchical Assembly for Dual Cargo Loading and Synergistic Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8811-8820.	4.0	33
113	Light-Regulated Molecular Trafficking in a Synthetic Water-Soluble Host. <i>Journal of the American Chemical Society</i> , 2016, 138, 5745-5748.	6.6	75
114	Hollow mesoporous raspberry-like colloids with removable caps as photoresponsive nanocontainers. <i>Nanoscale</i> , 2016, 8, 7840-7844.	2.8	33
115	Turning Cucurbit[8]uril into a Supramolecular Nanoreactor for Asymmetric Catalysis. <i>Angewandte Chemie</i> , 2015, 127, 13199-13203.	1.6	20
116	Cucurbit[8]uril-Regulated Nanopatterning of Binary Polymer Brushes via Colloidal Templating. <i>Advanced Materials</i> , 2015, 27, 7957-7962.	11.1	33
117	Turning Cucurbit[8]uril into a Supramolecular Nanoreactor for Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13007-13011.	7.2	71
118	Responsive Double Network Hydrogels of Interpenetrating DNA and CB[8] Host-Guest Supramolecular Systems. <i>Advanced Materials</i> , 2015, 27, 3298-3304.	11.1	201
119	Hybrid Supramolecular and Colloidal Hydrogels that Bridge Multiple Length Scales. <i>Angewandte Chemie</i> , 2015, 127, 5473-5478.	1.6	12
120	Supracolloidal Architectures Self-Assembled in Microdroplets. <i>Chemistry - A European Journal</i> , 2015, 21, 15516-15519.	1.7	9
121	Electrostatically Directed Self-Assembly of Ultrathin Supramolecular Polymer Microcapsules. <i>Advanced Functional Materials</i> , 2015, 25, 4091-4100.	7.8	44
122	Energy and Electron Transfer Dynamics within a Series of Perylene Diimide/Cyclophane Systems. <i>Journal of the American Chemical Society</i> , 2015, 137, 15299-15307.	6.6	64
123	Divergence from the classical hydroboration reactivity; boron containing materials through a hydroboration cascade of small cyclic dienes. <i>Chemical Science</i> , 2015, 6, 6262-6269.	3.7	8
124	A facile method for the stain-free visualization of hierarchical structures with electron microscopy. <i>Journal of Polymer Science Part A</i> , 2015, 53, 842-845.	2.5	1
125	Preparation and Supramolecular Recognition of Multivalent Peptide-Glycosaminoglycan Conjugates by Cucurbit[8]uril in Hydrogel Formation. <i>Biomacromolecules</i> , 2015, 16, 2436-2443.	2.6	80
126	Catalytic polymeric nanocomposites via cucurbit[<i>n</i>]uril host-guest interactions. <i>Nanoscale</i> , 2015, 7, 13416-13419.	2.8	20

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127	Cucurbit[8]uril directed stimuli-responsive supramolecular polymer brushes for dynamic surface engineering. <i>Chemical Science</i> , 2015, 6, 5303-5310.	3.7	50
128	Supramolecular hydrogel microcapsules via cucurbit[8]uril host-guest interactions with triggered and UV-controlled molecular permeability. <i>Chemical Science</i> , 2015, 6, 4929-4933.	3.7	77
129	Hybrid Supramolecular and Colloidal Hydrogels that Bridge Multiple Length Scales. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5383-5388.	7.2	78
130	Surface-immobilised micelles via cucurbit[8]uril-rotaxanes for solvent-induced burst release. <i>Chemical Communications</i> , 2015, 51, 4858-4860.	2.2	10
131	Unfolding the contents of sub-nm plasmonic gaps using normalising plasmon resonance spectroscopy. <i>Faraday Discussions</i> , 2015, 178, 185-193.	1.6	52
132	Supramolecular polymer networks based on cucurbit[8]uril host-guest interactions as aqueous photo-rheological fluids. <i>Polymer Chemistry</i> , 2015, 6, 7652-7657.	1.9	41
133	Formation of Cucurbit[8]uril-Based Supramolecular Hydrogel Beads Using Droplet-Based Microfluidics. <i>Biomacromolecules</i> , 2015, 16, 2743-2749.	2.6	34
134	Cucurbituril-Based Molecular Recognition. <i>Chemical Reviews</i> , 2015, 115, 12320-12406.	23.0	1,467
135	Supramolecular Polymerization Promoted and Controlled through Self-Sorting. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5351-5355.	7.2	200
136	A selective supramolecular photochemical sensor for dopamine. <i>Supramolecular Chemistry</i> , 2014, 26, 280-285.	1.5	9
137	Interfacial assembly of dendritic microcapsules with host-guest chemistry. <i>Nature Communications</i> , 2014, 5, 5772.	5.8	101
138	Activation Energies Control the Macroscopic Properties of Physically Cross-Linked Materials. <i>Angewandte Chemie</i> , 2014, 126, 10202-10207.	1.6	16
139	A nanoparticle solution. <i>Nature Materials</i> , 2014, 13, 231-232.	13.3	13
140	Healable, Stable and Stiff Hydrogels: Combining Conflicting Properties Using Dynamic and Selective Three-Component Recognition with Reinforcing Cellulose Nanorods. <i>Advanced Functional Materials</i> , 2014, 24, 2706-2713.	7.8	227
141	Activation Energies Control the Macroscopic Properties of Physically Cross-Linked Materials. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10038-10043.	7.2	98
142	Multifunctional supramolecular polymer networks as next-generation consolidants for archaeological wood conservation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17743-17748.	3.3	50
143	Host-guest accelerated photodimerisation of anthracene-labeled macromolecules in water. <i>Polymer Chemistry</i> , 2014, 5, 5375.	1.9	64
144	Supramolecular colloidosomes: fabrication, characterisation and triggered release of cargo. <i>Chemical Communications</i> , 2014, 50, 7048-7051.	2.2	45

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145	Facile Method for Preparing Surface-Mounted Cucurbit[8]uril-Based Rotaxanes. <i>Langmuir</i> , 2014, 30, 10926-10932.	1.6	39
146	Gold Nanorods with Subnanometer Separation using Cucurbit[8]uril for SERS Applications. <i>Small</i> , 2014, 10, 4298-4303.	5.2	50
147	Threading plasmonic nanoparticle strings with light. <i>Nature Communications</i> , 2014, 5, 4568.	5.8	144
148	The control of cargo release from physically crosslinked hydrogels by crosslink dynamics. <i>Biomaterials</i> , 2014, 35, 9897-9903.	5.7	77
149	Supramolecular Chemistry at Interfaces: Host-Guest Interactions for Fabricating Multifunctional Biointerfaces. <i>Accounts of Chemical Research</i> , 2014, 47, 2106-2115.	7.6	440
150	Photoresponsive Hybrid Raspberry-Like Colloids Based on Cucurbit[8]uril Host-Guest Interactions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2166-2169.	7.2	101
151	Quantitative multiplexing with nano-self-assemblies in SERS. <i>Scientific Reports</i> , 2014, 4, 6785.	1.6	84
152	Cucurbit[8]uril and Blue-Box: High-Energy Water Release Overwhelms Electrostatic Interactions. <i>Journal of the American Chemical Society</i> , 2013, 135, 14879-14888.	6.6	174
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