

Cindy Soo Yun Tan

List of Publications by Citations

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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.

94
papers

9,389
citations

45
h-index

96
g-index

96
ext. papers

10,579
ext. citations

11.3
avg, IF

6.43
L-index

#	Paper	IF	Citations
94	Cucurbituril-Based Molecular Recognition. <i>Chemical Reviews</i> , 2015 , 115, 12320-406	68.1	1115
93	Single-molecule strong coupling at room temperature in plasmonic nanocavities. <i>Nature</i> , 2016 , 535, 127-304	30.4	1009
92	Supramolecular polymeric hydrogels. <i>Chemical Society Reviews</i> , 2012 , 41, 6195-214	58.5	836
91	Supramolecular cross-linked networks via host-guest complexation with cucurbit[8]uril. <i>Journal of the American Chemical Society</i> , 2010 , 132, 14251-60	16.4	483
90	Ultrahigh-water-content supramolecular hydrogels exhibiting multistimuli responsiveness. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11767-73	16.4	371
89	One-step fabrication of supramolecular microcapsules from microfluidic droplets. <i>Science</i> , 2012 , 335, 690-4	33.3	365
88	Supramolecular block copolymers with cucurbit[8]uril in water. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3950-3	16.4	278
87	Precise subnanometer plasmonic junctions for SERS within gold nanoparticle assemblies using cucurbit[n]uril "glue". <i>ACS Nano</i> , 2011 , 5, 3878-87	16.7	272
86	Tough Supramolecular Polymer Networks with Extreme Stretchability and Fast Room-Temperature Self-Healing. <i>Advanced Materials</i> , 2017 , 29, 1605325	24	234
85	Photocontrol over cucurbit[8]uril complexes: stoichiometry and supramolecular polymers. <i>Journal of the American Chemical Society</i> , 2013 , 135, 11760-3	16.4	225
84	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	15.6	197
83	Supramolecular peptide amphiphile vesicles through host-guest complexation. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9633-7	16.4	173
82	Responsive Double Network Hydrogels of Interpenetrating DNA and CB[8] Host-Guest Supramolecular Systems. <i>Advanced Materials</i> , 2015 , 27, 3298-304	24	163
81	Triply triggered doxorubicin release from supramolecular nanocontainers. <i>Biomacromolecules</i> , 2012 , 13, 84-91	6.9	159
80	Biomimetic Supramolecular Polymer Networks Exhibiting both Toughness and Self-Recovery. <i>Advanced Materials</i> , 2017 , 29, 1604951	24	148
79	Cucurbit[n]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	24.3	143
78	Orthogonal switching of a single supramolecular complex. <i>Nature Communications</i> , 2012 , 3, 1207	17.4	140

77	Formation of single-chain polymer nanoparticles in water through host-guest interactions. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4185-9	16.4	133
76	Sustained release of proteins from high water content supramolecular polymer hydrogels. <i>Biomaterials</i> , 2012 , 33, 4646-52	15.6	128
75	Cucurbit[8]uril mediated donor-acceptor ternary complexes: a model system for studying charge-transfer interactions. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 2842-9	3.4	113
74	A supramolecular route for reversible protein-polymer conjugation. <i>Chemical Science</i> , 2011 , 2, 279-286	9.4	106
73	Correlating solution binding and ESI-MS stabilities by incorporating solvation effects in a confined cucurbit[8]uril system. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 8606-15	3.4	104
72	Photoresponsive hybrid raspberry-like colloids based on cucurbit[8]uril host-guest interactions. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2166-9	16.4	90
71	Activation energies control the macroscopic properties of physically cross-linked materials. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10038-43	16.4	84
70	Bioinspired supramolecular fibers drawn from a multiphase self-assembled hydrogel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 8163-8168	11.5	76
69	"On-demand" control of thermoresponsive properties of poly(N-isopropylacrylamide) with cucurbit[8]uril host-guest complexes. <i>Chemical Communications</i> , 2011 , 47, 6000-2	5.8	72
68	Hybrid supramolecular and colloidal hydrogels that bridge multiple length scales. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5383-8	16.4	69
67	Interfacial assembly of dendritic microcapsules with host-guest chemistry. <i>Nature Communications</i> , 2014 , 5, 5772	17.4	69
66	The control of cargo release from physically crosslinked hydrogels by crosslink dynamics. <i>Biomaterials</i> , 2014 , 35, 9897-9903	15.6	68
65	A systems approach to controlling supramolecular architecture and emergent solution properties via host-guest complexation in water. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15734-43	16.4	68
64	Cucurbit[n]uril Supramolecular Hydrogel Networks as Tough and Healable Adhesives. <i>Advanced Functional Materials</i> , 2018 , 28, 1800848	15.6	67
63	Supramolecular hydrogel microcapsules cucurbit[8]uril host-guest interactions with triggered and UV-controlled molecular permeability. <i>Chemical Science</i> , 2015 , 6, 4929-4933	9.4	65
62	Quantitative multiplexing with nano-self-assemblies in SERS. <i>Scientific Reports</i> , 2014 , 4, 6785	4.9	63
61	Supramolecular polymeric peptide amphiphile vesicles for the encapsulation of basic fibroblast growth factor. <i>Chemical Communications</i> , 2014 , 50, 3033-5	5.8	63
60	Supramolecular Glycopolymers in Water: A Reversible Route Toward Multivalent Carbohydrate Lectin Conjugates Using Cucurbit[8]uril. <i>Macromolecules</i> , 2011 , 44, 4276-4281	5.5	61

59	Turning Cucurbit[8]uril into a Supramolecular Nanoreactor for Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13007-11	16.4	60
58	Postpolymerization Modification of Hydroxyl-Functionalized Polymers with Isocyanates. <i>Macromolecules</i> , 2011 , 44, 4828-4835	5.5	60
57	Preparation and Supramolecular Recognition of Multivalent Peptide-Polysaccharide Conjugates by Cucurbit[8]uril in Hydrogel Formation. <i>Biomacromolecules</i> , 2015 , 16, 2436-43	6.9	59
56	Metastable single-chain polymer nanoparticles prepared by dynamic cross-linking with nor-seco-cucurbit[10]uril. <i>Chemical Science</i> , 2012 , 3, 2278	9.4	58
55	Discrete, multi-component complexes with cucurbit[8]uril in the gas-phase. <i>Chemical Communications</i> , 2009 , 644-6	5.8	58
54	Observing Single Molecules Complexing with Cucurbit[7]uril through Nanogap Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 704-10	6.4	57
53	Host-guest accelerated photodimerisation of anthracene-labeled macromolecules in water. <i>Polymer Chemistry</i> , 2014 , 5, 5375	4.9	52
52	Dynamic Interfacial Adhesion through Cucurbit[n]uril Molecular Recognition. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8854-8858	16.4	51
51	Dynamically crosslinked materials via recognition of amino acids by cucurbit[8]uril. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2904-2910	7.3	48
50	Peptide separation through a CB[8]-mediated supramolecular trap-and-release process. <i>Langmuir</i> , 2011 , 27, 1387-90	4	46
49	Unfolding the contents of sub-nm plasmonic gaps using normalising plasmon resonance spectroscopy. <i>Faraday Discussions</i> , 2015 , 178, 185-93	3.6	43
48	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Self-Healing Scaffolds. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3079-3083	16.4	43
47	Supramolecular dimerisation of middle-chain Phe pentapeptides via CB[8] host-guest homoternary complex formation. <i>Chemical Communications</i> , 2013 , 49, 8779-81	5.8	43
46	Aqueous Polymer Self-Assembly Based on Cucurbit[n]uril-Mediated Host-Guest Interactions. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 319-332	2.6	42
45	Cucurbit[8]uril directed stimuli-responsive supramolecular polymer brushes for dynamic surface engineering. <i>Chemical Science</i> , 2015 , 6, 5303-5310	9.4	41
44	Controlling Spatiotemporal Mechanics of Supramolecular Hydrogel Networks with Highly Branched Cucurbit[8]uril Polyrotaxanes. <i>Advanced Functional Materials</i> , 2018 , 28, 1702994	15.6	41
43	A supramolecular route towards core-shell polymeric microspheres in water via cucurbit[8]uril complexation. <i>Chemical Communications</i> , 2012 , 48, 8757-9	5.8	40
42	Modulating stiffness with photo-switchable supramolecular hydrogels. <i>Polymer Chemistry</i> , 2019 , 10, 467-472	4.9	39

41	Supramolecular colloidosomes: fabrication, characterisation and triggered release of cargo. <i>Chemical Communications</i> , 2014 , 50, 7048-51	5.8	39
40	Supramolecular polymer networks based on cucurbit[8]uril host-guest interactions as aqueous photo-rheological fluids. <i>Polymer Chemistry</i> , 2015 , 6, 7652-7657	4.9	38
39	Facile method for preparing surface-mounted cucurbit[8]uril-based rotaxanes. <i>Langmuir</i> , 2014 , 30, 10926-32	4.9	37
38	Probing cucurbit[8]uril-mediated supramolecular block copolymer assembly in water using diffusion NMR. <i>Polymer Chemistry</i> , 2010 , 1, 1434	4.9	36
37	Distinguishing relaxation dynamics in transiently crosslinked polymeric networks. <i>Polymer Chemistry</i> , 2017 , 8, 5336-5343	4.9	35
36	Electrostatically Directed Self-Assembly of Ultrathin Supramolecular Polymer Microcapsules. <i>Advanced Functional Materials</i> , 2015 , 25, 4091-4100	15.6	32
35	Formation of Cucurbit[8]uril-Based Supramolecular Hydrogel Beads Using Droplet-Based Microfluidics. <i>Biomacromolecules</i> , 2015 , 16, 2743-9	6.9	29
34	Cucurbit[8]uril-Regulated Nanopatterning of Binary Polymer Brushes via Colloidal Templating. <i>Advanced Materials</i> , 2015 , 27, 7957-62	24	28
33	Aqueous interfacial gels assembled from small molecule supramolecular polymers. <i>Chemical Science</i> , 2017 , 8, 1350-1355	9.4	25
32	Patterned Arrays of Supramolecular Microcapsules. <i>Advanced Functional Materials</i> , 2018 , 28, 1800550	15.6	24
31	Microfluidic Droplet-Facilitated Hierarchical Assembly for Dual Cargo Loading and Synergistic Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8811-20	9.5	24
30	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	16.4	22
29	DESolution of CD and CB Macrocycles. <i>Chemistry - A European Journal</i> , 2017 , 23, 8601-8604	4.8	20
28	Catalytic polymeric nanocomposites via cucurbit[n]uril host-guest interactions. <i>Nanoscale</i> , 2015 , 7, 13416-9	4.8	20
27	Dynamic Interfacial Adhesion through Cucurbit[n]uril Molecular Recognition. <i>Angewandte Chemie</i> , 2018 , 130, 8992-8996	3.6	20
26	Cucurbit[8]uril-mediated pseudo[2,3]rotaxanes. <i>Chemical Communications</i> , 2019 , 55, 13227-13230	5.8	18
25	Host-Enhanced Phenyl-Perfluorophenyl Polar-π Interactions. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7356-7361	16.4	17
24	A simple supramolecular assay for drug detection in urine. <i>Chemical Communications</i> , 2017 , 53, 8842-8845	5.8	16

23	Dual-responsive supramolecular colloidal microcapsules from cucurbit[8]uril molecular recognition in microfluidic droplets. <i>Polymer Chemistry</i> , 2016 , 7, 5996-6002	4.9	16
22	Inhibiting Analyte Theft in Surface-Enhanced Raman Spectroscopy Substrates: Subnanomolar Quantitative Drug Detection. <i>ACS Sensors</i> , 2019 , 4, 2988-2996	9.2	15
21	Mechanical Characterization of Human Brain Tissue and Soft Dynamic Gels Exhibiting Electromechanical Neuro-Mimicry. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900068	10.1	14
20	Microcapsule Buckling Triggered by Compression-Induced Interfacial Phase Change. <i>Langmuir</i> , 2016 , 32, 10987-10994	4	14
19	Surface-Bound Cucurbit[8]uril Catenanes on Magnetic Nanoparticles Exhibiting Molecular Recognition. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2382-6	4.5	13
18	Smart supramolecular sensing with cucurbit[n]urils: probing hydrogen bonding with SERS. <i>Faraday Discussions</i> , 2017 , 205, 505-515	3.6	13
17	Activation Energies Control the Macroscopic Properties of Physically Cross-Linked Materials. <i>Angewandte Chemie</i> , 2014 , 126, 10202-10207	3.6	13
16	An Aqueous Supramolecular Side-Chain Polymer Designed for Molecular Loading. <i>Australian Journal of Chemistry</i> , 2010 , 63, 627	1.2	13
15	Toward a versatile toolbox for cucurbit[8]uril-based supramolecular hydrogel networks through polymerization. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 3105-3109	2.5	12
14	Modulating the oxidation of cucurbit[n]urils. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 998-1005	3.9	12
13	Surface-immobilised micelles via cucurbit[8]uril-rotaxanes for solvent-induced burst release. <i>Chemical Communications</i> , 2015 , 51, 4858-60	5.8	10
12	Viscoelastic Hydrogel Microfibers Exploiting Cucurbit[8]uril Host-Guest Chemistry and Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 17929-17935	9.5	10
11	Hybrid organic-inorganic supramolecular hydrogel reinforced with CePO ₄ nanowires. <i>Polymer Chemistry</i> , 2016 , 7, 6485-6489	4.9	10
10	Eliminating irreproducibility in SERS substrates. <i>Journal of Raman Spectroscopy</i> , 2021 , 52, 412-419	2.3	10
9	Plasmon-induced optical control over dithionite-mediated chemical redox reactions. <i>Faraday Discussions</i> , 2019 , 214, 455-463	3.6	8
8	Cucurbit[8]uril-Regulated Colloidal Dispersions Exhibiting Photocontrolled Rheological Behavior. <i>Small</i> , 2018 , 14, e1703352	11	8
7	Magnetic Regulation of Thermo-Chemotherapy from a Cucurbit[7]uril-Crosslinked Hybrid Hydrogel. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801458	10.1	8
6	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Self-Healing Scaffolds. <i>Angewandte Chemie</i> , 2018 , 130, 3133-3137	3.6	6

5	Cucurbit[7]uril-based high-performance catalytic microreactors. <i>Nanoscale</i> , 2018 , 10, 14835-14839	7.7	4
4	A facile route to viologen functional macromolecules through azide-alkyne [3+2] cycloaddition. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 1547-53	4.8	4
3	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	3.6	2
2	Toward Understanding CB[7]-Based Supramolecular Diels-Alder Catalysis. <i>Frontiers in Chemistry</i> , 2020 , 8, 587084	5	2
1	Supramolecular hydrogels prepared from fluorescent alkyl pyridinium acrylamide monomers and CB[8]. <i>Polymer Chemistry</i> , 2021 , 12, 519-525	4.9	1