Cindy Soo Yun Tan

List of Publications by Year
in descending order

95	11,564	41323 49	38368 95
papers	citations	h-index	g-index

96	96	96	11551
all docs	docs citations	times ranked	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	One-Step Fabrication of Supramolecular Microcapsules from Microfluidic Droplets. Science, 2012, 335, 690-694.	6.0	416
6	Ultrahigh-Water-Content Supramolecular Hydrogels Exhibiting Multistimuli Responsiveness. Journal of the American Chemical Society, 2012, 134, 11767-11773.	6.6	409
7	Tough Supramolecular Polymer Networks with Extreme Stretchability and Fast Roomâ€Temperature Selfâ€Healing. Advanced Materials, 2017, 29, 1605325.	11.1	347
8	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
9	Supramolecular Block Copolymers with Cucurbit[8]uril in Water. Angewandte Chemie - International Edition, 2008, 47, 3950-3953.	7.2	291
10	Photocontrol over Cucurbit[8]uril Complexes: Stoichiometry and Supramolecular Polymers. Journal of the American Chemical Society, 2013, 135, 11760-11763.	6.6	250
11	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
12	Responsive Double Network Hydrogels of Interpenetrating DNA and CB[8] Hostâ€"Guest Supramolecular Systems. Advanced Materials, 2015, 27, 3298-3304.	11.1	201
13	Supramolecular Peptide Amphiphile Vesicles through Hostâ€"Guest Complexation. Angewandte Chemie - International Edition, 2012, 51, 9633-9637.	7.2	191
14	Biomimetic Supramolecular Polymer Networks Exhibiting both Toughness and Selfâ€Recovery. Advanced Materials, 2017, 29, 1604951.	11.1	185
15	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
16	Triply Triggered Doxorubicin Release From Supramolecular Nanocontainers. Biomacromolecules, 2012, 13, 84-91.	2.6	174
17	Orthogonal switching of a single supramolecular complex. Nature Communications, 2012, 3, 1207.	5.8	164
18	Formation of Singleâ€Chain Polymer Nanoparticles in Water through Hostâ€"Guest Interactions. Angewandte Chemie - International Edition, 2012, 51, 4185-4189.	7.2	145

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19	Sustained release of proteins from high water content supramolecular polymer hydrogels. Biomaterials, 2012, 33, 4646-4652.	5.7	139
20	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
21	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
22	A supramolecular route for reversible protein-polymer conjugation. Chemical Science, 2011, 2, 279-286.	3.7	111
23	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
24	Interfacial assembly of dendritic microcapsules with hostâ€“guest chemistry. Nature Communications, 2014, 5, 5772.	5.8	101
25	Photoresponsive Hybrid Raspberryâ€Like Colloids Based on Cucurbit[8]uril Hostâ€“Guest Interactions. Angewandte Chemie - International Edition, 2014, 53, 2166-2169.	7.2	101
26	Activation Energies Control the Macroscopic Properties of Physically Crossâ€Linked Materials. Angewandte Chemie - International Edition, 2014, 53, 10038-10043.	7.2	98
27	Cucurbit[n]uril Supramolecular Hydrogel Networks as Tough and Healable Adhesives. Advanced Functional Materials, 2018, 28, 1800848.	7.8	98
28	Quantitative multiplexing with nano-self-assemblies in SERS. Scientific Reports, 2014, 4, 6785.	1.6	84
29	Dynamic Interfacial Adhesion through Cucurbit[n]uril Molecular Recognition. Angewandte Chemie - International Edition, 2018, 57, 8854-8858.	7.2	83
30	Preparation and Supramolecular Recognition of Multivalent Peptideâ€“Polysaccharide Conjugates by Cucurbit[8]uril in Hydrogel Formation. Biomacromolecules, 2015, 16, 2436-2443.	2.6	80
31	â€œOn-demandâ€•control of thermoresponsive properties of poly(N-isopropylacrylamide) with cucurbit[8]uril hostâ€“guest complexes. Chemical Communications, 2011, 47, 6000.	2.2	78
32	Hybrid Supramolecular and Colloidal Hydrogels that Bridge Multiple Length Scales. Angewandte Chemie - International Edition, 2015, 54, 5383-5388.	7.2	78
33	The control of cargo release from physically crosslinked hydrogels by crosslink dynamics. Biomaterials, 2014, 35, 9897-9903.	5.7	77
34	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
35	Metastable single-chain polymer nanoparticles prepared by dynamic cross-linking with nor-seco-cucurbit[10]uril. Chemical Science, 2012, 3, 2278.	3.7	74
36	Postpolymerization Modification of Hydroxyl-Functionalized Polymers with Isocyanates. Macromolecules, 2011, 44, 4828-4835.	2.2	73

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37	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
38	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
39	Turning Cucurbit[8]uril into a Supramolecular Nanoreactor for Asymmetric Catalysis. Angewandte Chemie - International Edition, 2015, 54, 13007-13011.	7.2	71
40	Supramolecular polymeric peptide amphiphile vesicles for the encapsulation of basic fibroblast growth factor. Chemical Communications, 2014, 50, 3033-3035.	2.2	68
41	Controlling Spatiotemporal Mechanics of Supramolecular Hydrogel Networks with Highly Branched Cucurbit[8]uril Polyrotaxanes. Advanced Functional Materials, 2018, 28, 1702994.	7.8	65
42	Supramolecular Glycopolymers in Water: A Reversible Route Toward Multivalent Carbohydrateâ€"Lectin Conjugates Using Cucurbit[8]uril. Macromolecules, 2011, 44, 4276-4281.	2.2	64
43	Hostâ€"guest accelerated photodimerisation of anthracene-labeled macromolecules in water. Polymer Chemistry, 2014, 5, 5375.	1.9	64
44	Discrete, multi-component complexes with cucurbit[8]uril in the gas-phase. Chemical Communications, 2009, , 644.	2.2	58
45	Dynamically crosslinked materials via recognition of amino acids by cucurbit[8]uril. Journal of Materials Chemistry B, 2013, 1, 2904.	2.9	55
46	Unfolding the contents of sub-nm plasmonic gaps using normalising plasmon resonance spectroscopy. Faraday Discussions, 2015, 178, 185-193.	1.6	52
47	Peptide Separation through a CB[8]-Mediated Supramolecular Trap-and-Release Process. Langmuir, 2011, 27, 1387-1390.	1.6	50
48	Supramolecular dimerisation of middle-chain Phe pentapeptides via CB[8] hostâ€"guest homoternary complex formation. Chemical Communications, 2013, 49, 8779.	2.2	50
49	Cucurbit[8]uril directed stimuli-responsive supramolecular polymer brushes for dynamic surface engineering. Chemical Science, 2015, 6, 5303-5310.	3.7	50
50	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Selfâ€Healing Scaffolds. Angewandte Chemie - International Edition, 2018, 57, 3079-3083.	7.2	50
51	Distinguishing relaxation dynamics in transiently crosslinked polymeric networks. Polymer Chemistry, 2017, 8, 5336-5343.	1.9	49
52	Modulating stiffness with photo-switchable supramolecular hydrogels. Polymer Chemistry, 2019, 10, 467-472.	1.9	48
53	Aqueous Polymer Selfâ€Assembly Based on Cucurbit[n]urilâ€Mediated Hostâ€Guest Interactions. Macromolecular Chemistry and Physics, 2016, 217, 319-332.	1.1	47
54	Supramolecular colloidosomes: fabrication, characterisation and triggered release of cargo. Chemical Communications, 2014, 50, 7048-7051.	2.2	45

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55	Electrostatically Directed Selfâ€Assembly of Ultrathin Supramolecular Polymer Microcapsules. Advanced Functional Materials, 2015, 25, 4091-4100.	7.8	44
56	A supramolecular route towards coreâ€“shell polymeric microspheres in water via cucurbit[8]uril complexation. Chemical Communications, 2012, 48, 8757.	2.2	43
57	Eliminating irreproducibility in SERS substrates. Journal of Raman Spectroscopy, 2021, 52, 412-419.	1.2	42
58	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
59	Probing cucurbit[8]uril-mediated supramolecular block copolymer assembly in water using diffusion NMR. Polymer Chemistry, 2010, 1, 1434.	1.9	39
60	Facile Method for Preparing Surface-Mounted Cucurbit[8]uril-Based Rotaxanes. Langmuir, 2014, 30, 10926-10932.	1.6	39
61	Host-Enhanced Phenyl-Perfluorophenyl Polarâ^Ï€ Interactions. Journal of the American Chemical Society, 2020, 142, 7356-7361.	6.6	38
62	Aqueous interfacial gels assembled from small molecule supramolecular polymers. Chemical Science, 2017, 8, 1350-1355.	3.7	35
63	Dynamic Interfacial Adhesion through Cucurbit[n]uril Molecular Recognition. Angewandte Chemie, 2018, 130, 8992-8996.	1.6	35
64	Formation of Cucurbit[8]uril-Based Supramolecular Hydrogel Beads Using Droplet-Based Microfluidics. Biomacromolecules, 2015, 16, 2743-2749.	2.6	34
65	Cucurbit[8]urilâ€Regulated Nanopatterning of Binary Polymer Brushes via Colloidal Templating. Advanced Materials, 2015, 27, 7957-7962.	11.1	33
66	Microfluidic Droplet-Facilitated Hierarchical Assembly for Dual Cargo Loading and Synergistic Delivery. ACS Applied Materials & Interfaces, 2016, 8, 8811-8820.	4.0	33
67	Patterned Arrays of Supramolecular Microcapsules. Advanced Functional Materials, 2018, 28, 1800550.	7.8	31
68	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
69	Cucurbit[8]uril-mediated pseudo[2,3]rotaxanes. Chemical Communications, 2019, 55, 13227-13230.	2.2	29
70	Inhibiting Analyte Theft in Surface-Enhanced Raman Spectroscopy Substrates: Subnanomolar Quantitative Drug Detection. ACS Sensors, 2019, 4, 2988-2996.	4.0	27
71	Mechanical Characterization of Human Brain Tissue and Soft Dynamic Gels Exhibiting Electromechanical Neuroâ€Mimicry. Advanced Healthcare Materials, 2019, 8, e1900068.	3.9	27
72	DESolution of CD and CB Macrocycles. Chemistry - A European Journal, 2017, 23, 8601-8604.	1.7	26

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73	Viscoelastic Hydrogel Microfibers Exploiting Cucurbit[8]uril Hostâ€“Guest Chemistry and Microfluidics. ACS Applied Materials & Interfaces, 2020, 12, 17929-17935.	4.0	23
74	Dual-responsive supramolecular colloidal microcapsules from cucurbit[8]uril molecular recognition in microfluidic droplets. Polymer Chemistry, 2016, 7, 5996-6002.	1.9	22
75	Catalytic polymeric nanocomposites via cucurbit[n]uril hostâ€“guest interactions. Nanoscale, 2015, 7, 13416-13419.	2.8	20
76	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
77	Smart supramolecular sensing with cucurbit[n]urils: probing hydrogen bonding with SERS. Faraday Discussions, 2017, 205, 505-515.	1.6	20
78	A simple supramolecular assay for drug detection in urine. Chemical Communications, 2017, 53, 8842-8845.	2.2	17
79	Activation Energies Control the Macroscopic Properties of Physically Crossâ€Linked Materials. Angewandte Chemie, 2014, 126, 10202-10207.	1.6	16
80	Microcapsule Buckling Triggered by Compression-Induced Interfacial Phase Change. Langmuir, 2016, 32, 10987-10994.	1.6	16
81	Magnetic Regulation of Thermoâ€Chemotherapy from a Cucurbit[7]urilâ€Crosslinked Hybrid Hydrogel. Advanced Healthcare Materials, 2019, 8, e1801458.	3.9	16
82	Surfaceâ€Bound Cucurbit[8]uril Catenanes on Magnetic Nanoparticles Exhibiting Molecular Recognition. Chemistry - an Asian Journal, 2016, 11, 2382-2386.	1.7	15
83	An Aqueous Supramolecular Side-Chain Polymer Designed for Molecular Loading. Australian Journal of Chemistry, 2010, 63, 627.	0.5	14
84	Modulating the oxidation of cucurbit[n]urils. Organic and Biomolecular Chemistry, 2017, 15, 998-1005.	1.5	14
85	Hybrid organicâ€“inorganic supramolecular hydrogel reinforced with $CePO_4$ nanowires. Polymer Chemistry, 2016, 7, 6485-6489.	1.9	12
86	Cucurbit[8]urilâ€Regulated Colloidal Dispersions Exhibiting Photocontrolled Rheological Behavior. Small, 2018, 14, e1703352.	5.2	12
87	Surface-immobilised micelles via cucurbit[8]uril-rotaxanes for solvent-induced burst release. Chemical Communications, 2015, 51, 4858-4860.	2.2	10
88	Plasmon-induced optical control over dithionite-mediated chemical redox reactions. Faraday Discussions, 2019, 214, 455-463.	1.6	10
89	Cucurbit[7]uril-based high-performance catalytic microreactors. Nanoscale, 2018, 10, 14835-14839.	2.8	7
90	Supramolecular hydrogels prepared from fluorescent alkyl pyridinium acrylamide monomers and CB[8]. Polymer Chemistry, 2021, 12, 519-525.	1.9	7

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91	SERSbot: Revealing the Details of SERS Multianalyte Sensing Using Full Automation. ACS Sensors, 2021, 6, 4507-4514.	4.0	7
92	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Selfâ€Healing Scaffolds. Angewandte Chemie, 2018, 130, 3133-3137.	1.6	6
93	Toward Understanding CB[7]-Based Supramolecular Diels-Alder Catalysis. Frontiers in Chemistry, 2020, 8, 587084.	1.8	6
94	A Facile Route to Viologen Functional Macromolecules through Azideâ€“Alkyne [3+2] Cycloaddition. Macromolecular Rapid Communications, 2013, 34, 1547-1553.	2.0	4
95	Applying support-vector machine learning algorithms toward predicting hostâ€“guest interactions with cucurbit[7]uril. Physical Chemistry Chemical Physics, 2020, 22, 14976-14982.	1.3	3