

Cindy Soo Yun Tan

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2187753/cindy-soo-yun-tan-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Eliminating irreproducibility in SERS substrates. <i>Journal of Raman Spectroscopy</i> , 2021 , 52, 412-419	2.3	10
93	Supramolecular hydrogels prepared from fluorescent alkyl pyridinium acrylamide monomers and CB[8]. <i>Polymer Chemistry</i> , 2021 , 12, 519-525	4.9	1
92	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
91	Host-Enhanced Phenyl-Perfluorophenyl Polar- π Interactions. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7356-7361	16.4	17
90	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
89	Toward Understanding CB[7]-Based Supramolecular Diels-Alder Catalysis. <i>Frontiers in Chemistry</i> , 2020 , 8, 587084	5	2
88	Inhibiting Analyte Theft in Surface-Enhanced Raman Spectroscopy Substrates: Subnanomolar Quantitative Drug Detection. <i>ACS Sensors</i> , 2019 , 4, 2988-2996	9.2	15
87	Plasmon-induced optical control over dithionite-mediated chemical redox reactions. <i>Faraday Discussions</i> , 2019 , 214, 455-463	3.6	8
86	Modulating stiffness with photo-switchable supramolecular hydrogels. <i>Polymer Chemistry</i> , 2019 , 10, 467-472	4.9	39
85	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
84	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
83	Cucurbit[8]uril-mediated pseudo[2,3]rotaxanes. <i>Chemical Communications</i> , 2019 , 55, 13227-13230	5.8	18
82	Magnetic Regulation of Thermo-Chemotherapy from a Cucurbit[7]uril-Crosslinked Hybrid Hydrogel. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801458	10.1	8
81	Cucurbit[8]uril-Regulated Colloidal Dispersions Exhibiting Photocontrolled Rheological Behavior. <i>Small</i> , 2018 , 14, e1703352	11	8
80	Dynamic Interfacial Adhesion through Cucurbit[n]uril Molecular Recognition. <i>Angewandte Chemie</i> , 2018 , 130, 8992-8996	3.6	20
79	Cucurbit[n]uril Supramolecular Hydrogel Networks as Tough and Healable Adhesives. <i>Advanced Functional Materials</i> , 2018 , 28, 1800848	15.6	67
78	Dynamic Interfacial Adhesion through Cucurbit[n]uril Molecular Recognition. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8854-8858	16.4	51

77	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Self-Healing Scaffolds. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3079-3083	16.4	43
76	Patterned Arrays of Supramolecular Microcapsules. <i>Advanced Functional Materials</i> , 2018 , 28, 1800550	15.6	24
75	Supramolecular Nested Microbeads as Building Blocks for Macroscopic Self-Healing Scaffolds. <i>Angewandte Chemie</i> , 2018 , 130, 3133-3137	3.6	6
74	Cucurbit[7]uril-based high-performance catalytic microreactors. <i>Nanoscale</i> , 2018 , 10, 14835-14839	7.7	4
73	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
72	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	34.7	143
71	Biomimetic Supramolecular Polymer Networks Exhibiting both Toughness and Self-Recovery. <i>Advanced Materials</i> , 2017 , 29, 1604951	24	148
70	Toward a versatile toolbox for cucurbit[]uril-based supramolecular hydrogel networks through polymerization. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 3105-3109	2.5	12
69	Tough Supramolecular Polymer Networks with Extreme Stretchability and Fast Room-Temperature Self-Healing. <i>Advanced Materials</i> , 2017 , 29, 1605325	24	234
68	DESolution of CD and CB Macrocycles. <i>Chemistry - A European Journal</i> , 2017 , 23, 8601-8604	4.8	20
67	Modulating the oxidation of cucurbit[n]urils. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 998-1005	3.9	12
66	A simple supramolecular assay for drug detection in urine. <i>Chemical Communications</i> , 2017 , 53, 8842-8845	5.8	16
65	Smart supramolecular sensing with cucurbit[n]urils: probing hydrogen bonding with SERS. <i>Faraday Discussions</i> , 2017 , 205, 505-515	3.6	13
64	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
63	Distinguishing relaxation dynamics in transiently crosslinked polymeric networks. <i>Polymer Chemistry</i> , 2017 , 8, 5336-5343	4.9	35
62	Aqueous interfacial gels assembled from small molecule supramolecular polymers. <i>Chemical Science</i> , 2017 , 8, 1350-1355	9.4	25
61	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
60	Microcapsule Buckling Triggered by Compression-Induced Interfacial Phase Change. <i>Langmuir</i> , 2016 , 32, 10987-10994	4	14

59	Single-molecule strong coupling at room temperature in plasmonic nanocavities. <i>Nature</i> , 2016 , 535, 127-304	30.4	1009
58	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
57	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
56	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
55	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
54	Hybrid organic-organic supramolecular hydrogel reinforced with CePO ₄ nanowires. <i>Polymer Chemistry</i> , 2016 , 7, 6485-6489	4.9	10
53	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
52	Catalytic polymeric nanocomposites via cucurbit[n]uril host-guest interactions. <i>Nanoscale</i> , 2015 , 7, 13416-9	6.9	20
51	Cucurbit[8]uril directed stimuli-responsive supramolecular polymer brushes for dynamic surface engineering. <i>Chemical Science</i> , 2015 , 6, 5303-5310	9.4	41
50	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
49	Hybrid supramolecular and colloidal hydrogels that bridge multiple length scales. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5383-8	16.4	69
48	Surface-immobilised micelles via cucurbit[8]uril-rotaxanes for solvent-induced burst release. <i>Chemical Communications</i> , 2015 , 51, 4858-60	5.8	10
47	Unfolding the contents of sub-nm plasmonic gaps using normalising plasmon resonance spectroscopy. <i>Faraday Discussions</i> , 2015 , 178, 185-93	3.6	43
46	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
45	Formation of Cucurbit[8]uril-Based Supramolecular Hydrogel Beads Using Droplet-Based Microfluidics. <i>Biomacromolecules</i> , 2015 , 16, 2743-9	6.9	29
44	Cucurbituril-Based Molecular Recognition. <i>Chemical Reviews</i> , 2015 , 115, 12320-406	68.1	1115
43	Cucurbit[8]uril-Regulated Nanopatterning of Binary Polymer Brushes via Colloidal Templating. <i>Advanced Materials</i> , 2015 , 27, 7957-62	24	28
42	Turning Cucurbit[8]uril into a Supramolecular Nanoreactor for Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13007-11	16.4	60

41	Responsive Double Network Hydrogels of Interpenetrating DNA and CB[8] Host-Guest Supramolecular Systems. <i>Advanced Materials</i> , 2015 , 27, 3298-304	24	163
40	Electrostatically Directed Self-Assembly of Ultrathin Supramolecular Polymer Microcapsules. <i>Advanced Functional Materials</i> , 2015 , 25, 4091-4100	15.6	32
39	Quantitative multiplexing with nano-self-assemblies in SERS. <i>Scientific Reports</i> , 2014 , 4, 6785	4.9	63
38	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
37	Activation energies control the macroscopic properties of physically cross-linked materials. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10038-43	16.4	84
36	Supramolecular polymeric peptide amphiphile vesicles for the encapsulation of basic fibroblast growth factor. <i>Chemical Communications</i> , 2014 , 50, 3033-5	5.8	63
35	Host-guest accelerated photodimerisation of anthracene-labeled macromolecules in water. <i>Polymer Chemistry</i> , 2014 , 5, 5375	4.9	52
34	Supramolecular colloidosomes: fabrication, characterisation and triggered release of cargo. <i>Chemical Communications</i> , 2014 , 50, 7048-51	5.8	39
33	Facile method for preparing surface-mounted cucurbit[8]uril-based rotaxanes. <i>Langmuir</i> , 2014 , 30, 10926-32	4	37
32	The control of cargo release from physically crosslinked hydrogels by crosslink dynamics. <i>Biomaterials</i> , 2014 , 35, 9897-9903	15.6	68
31	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
30	Interfacial assembly of dendritic microcapsules with host-guest chemistry. <i>Nature Communications</i> , 2014 , 5, 5772	17.4	69
29	Activation Energies Control the Macroscopic Properties of Physically Cross-Linked Materials. <i>Angewandte Chemie</i> , 2014 , 126, 10202-10207	3.6	13
28	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
27	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
26	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
25	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
24	Sustained release of proteins from high water content supramolecular polymer hydrogels. <i>Biomaterials</i> , 2012 , 33, 4646-52	15.6	128

23	Supramolecular polymeric hydrogels. <i>Chemical Society Reviews</i> , 2012 , 41, 6195-214	58.5	836
22	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
21	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
20	One-step fabrication of supramolecular microcapsules from microfluidic droplets. <i>Science</i> , 2012 , 335, 690-4	33.3	365
19	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
18	Triply triggered doxorubicin release from supramolecular nanocontainers. <i>Biomacromolecules</i> , 2012 , 13, 84-91	6.9	159
17	Supramolecular peptide amphiphile vesicles through host-guest complexation. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9633-7	16.4	173
16	Orthogonal switching of a single supramolecular complex. <i>Nature Communications</i> , 2012 , 3, 1207	17.4	140
15	Ultrahigh-water-content supramolecular hydrogels exhibiting multistimuli responsiveness. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11767-73	16.4	371
14	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
13	Postpolymerization Modification of Hydroxyl-Functionalized Polymers with Isocyanates. <i>Macromolecules</i> , 2011 , 44, 4828-4835	5.5	60
12	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
11	Peptide separation through a CB[8]-mediated supramolecular trap-and-release process. <i>Langmuir</i> , 2011 , 27, 1387-90	4	46
10	A supramolecular route for reversible protein-polymer conjugation. <i>Chemical Science</i> , 2011 , 2, 279-286	9.4	106
9	"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
8	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
7	An Aqueous Supramolecular Side-Chain Polymer Designed for Molecular Loading. <i>Australian Journal of Chemistry</i> , 2010 , 63, 627	1.2	13
6	Probing cucurbit[8]uril-mediated supramolecular block copolymer assembly in water using diffusion NMR. <i>Polymer Chemistry</i> , 2010 , 1, 1434	4.9	36

5	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
4	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
3	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
2	Discrete, multi-component complexes with cucurbit[8]uril in the gas-phase. <i>Chemical Communications</i> , 2009 , 644-6	5.8	58
1	Supramolecular block copolymers with cucurbit[8]uril in water. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3950-3	16.4	278