# Cindy Soo Yun Tan

List of Publications by Year
in descending order

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|---|---|---|---|
| 95<br>papers | 11,564<br>citations | 41323<br>49<br>h-index | 38368<br>95<br>g-index |
| 96<br>all docs | 96<br>docs citations | 96<br>times ranked | 11551<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Eliminating irreproducibility in SERS substrates. Journal of Raman Spectroscopy, 2021, 52, 412-419. | 1.2 | 42 |
| 2 | Supramolecular hydrogels prepared from fluorescent alkyl pyridinium acrylamide monomers and CB[8]. Polymer Chemistry, 2021, 12, 519-525. | 1.9 | 7 |
| 3 | SERSbot: Revealing the Details of SERS Multianalyte Sensing Using Full Automation. ACS Sensors, 2021, 6, 4507-4514. | 4.0 | 7 |
| 4 | Toward Understanding CB[7]-Based Supramolecular Diels-Alder Catalysis. Frontiers in Chemistry, 2020, 8, 587084. | 1.8 | 6 |
| 5 | Viscoelastic Hydrogel Microfibers Exploiting Cucurbit[8]uril Hostâ€"Guest Chemistry and Microfluidics. ACS Applied Materials & Interfaces, 2020, 12, 17929-17935. | 4.0 | 23 |
| 6 | Host-Enhanced Phenyl-Perfluorophenyl Polarâˆ'Ï€ Interactions. Journal of the American Chemical Society, 2020, 142, 7356-7361. | 6.6 | 38 |
| 7 | 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 |
| 8 | Magnetic Regulation of Thermoâ€Chemotherapy from a Cucurbit[7]urilâ€Crosslinked Hybrid Hydrogel. Advanced Healthcare Materials, 2019, 8, e1801458. | 3.9 | 16 |
| 9 | 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 |
| 10 | Inhibiting Analyte Theft in Surface-Enhanced Raman Spectroscopy Substrates: Subnanomolar Quantitative Drug Detection. ACS Sensors, 2019, 4, 2988-2996. | 4.0 | 27 |
| 11 | Plasmon-induced optical control over dithionite-mediated chemical redox reactions. Faraday Discussions, 2019, 214, 455-463. | 1.6 | 10 |
| 12 | Modulating stiffness with photo-switchable supramolecular hydrogels. Polymer Chemistry, 2019, 10, 467-472. | 1.9 | 48 |
| 13 | Mechanical Characterization of Human Brain Tissue and Soft Dynamic Gels Exhibiting Electromechanical Neuroâ€Mimicry. Advanced Healthcare Materials, 2019, 8, e1900068. | 3.9 | 27 |
| 14 | Cucurbit[8]uril-mediated pseudo[2,3]rotaxanes. Chemical Communications, 2019, 55, 13227-13230. | 2.2 | 29 |
| 15 | Cucurbit[8]urilâ€Regulated Colloidal Dispersions Exhibiting Photocontrolled Rheological Behavior. Small, 2018, 14, e1703352. | 5.2 | 12 |
| 16 | Dynamic Interfacial Adhesion through Cucurbit[n]uril Molecular Recognition. Angewandte Chemie, 2018, 130, 8992-8996. | 1.6 | 35 |
| 17 | Cucurbit[n]uril Supramolecular Hydrogel Networks as Tough and Healable Adhesives. Advanced Functional Materials, 2018, 28, 1800848. | 7.8 | 98 |
| 18 | Dynamic Interfacial Adhesion through Cucurbit[n]uril Molecular Recognition. Angewandte Chemie - International Edition, 2018, 57, 8854-8858. | 7.2 | 83 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Supramolecular Nested Microbeads as Building Blocks for Macroscopic Selfâ€Healing Scaffolds. Angewandte Chemie - International Edition, 2018, 57, 3079-3083. | 7.2 | 50 |
| 20 | Patterned Arrays of Supramolecular Microcapsules. Advanced Functional Materials, 2018, 28, 1800550. | 7.8 | 31 |
| 21 | Supramolecular Nested Microbeads as Building Blocks for Macroscopic Selfâ€Healing Scaffolds. Angewandte Chemie, 2018, 130, 3133-3137. | 1.6 | 6 |
| 22 | Controlling Spatiotemporal Mechanics of Supramolecular Hydrogel Networks with Highly Branched Cucurbit[8]uril Polyrotaxanes. Advanced Functional Materials, 2018, 28, 1702994. | 7.8 | 65 |
| 23 | Cucurbit[7]uril-based high-performance catalytic microreactors. Nanoscale, 2018, 10, 14835-14839. | 2.8 | 7 |
| 24 | 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 |
| 25 | Biomimetic Supramolecular Polymer Networks Exhibiting both Toughness and Selfâ€Recovery. Advanced Materials, 2017, 29, 1604951. | 11.1 | 185 |
| 26 | 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 |
| 27 | Tough Supramolecular Polymer Networks with Extreme Stretchability and Fast Roomâ€Temperature Selfâ€Healing. Advanced Materials, 2017, 29, 1605325. | 11.1 | 347 |
| 28 | DESolution of CD and CB Macrocycles. Chemistry - A European Journal, 2017, 23, 8601-8604. | 1.7 | 26 |
| 29 | Modulating the oxidation of cucurbit[n]urils. Organic and Biomolecular Chemistry, 2017, 15, 998-1005. | 1.5 | 14 |
| 30 | A simple supramolecular assay for drug detection in urine. Chemical Communications, 2017, 53, 8842-8845. | 2.2 | 17 |
| 31 | Smart supramolecular sensing with cucurbit[n]urils: probing hydrogen bonding with SERS. Faraday Discussions, 2017, 205, 505-515. | 1.6 | 20 |
| 32 | 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 |
| 33 | Distinguishing relaxation dynamics in transiently crosslinked polymeric networks. Polymer Chemistry, 2017, 8, 5336-5343. | 1.9 | 49 |
| 34 | Aqueous interfacial gels assembled from small molecule supramolecular polymers. Chemical Science, 2017, 8, 1350-1355. | 3.7 | 35 |
| 35 | Aqueous Polymer Selfâ€Assembly Based on Cucurbit[n]urilâ€Mediated Hostâ€Guest Interactions. Macromolecular Chemistry and Physics, 2016, 217, 319-332. | 1.1 | 47 |
| 36 | Dual-responsive supramolecular colloidal microcapsules from cucurbit[8]uril molecular recognition in microfluidic droplets. Polymer Chemistry, 2016, 7, 5996-6002. | 1.9 | 22 |

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|---|---|---|---|
| 37 | Hybrid organicâ€“inorganic supramolecular hydrogel reinforced with CePO<sub>4</sub> nanowires. Polymer Chemistry, 2016, 7, 6485-6489. | 1.9 | 12 |
| 38 | Surfaceâ€Bound Cucurbit[8]uril Catenanes on Magnetic Nanoparticles Exhibiting Molecular Recognition. Chemistry - an Asian Journal, 2016, 11, 2382-2386. | 1.7 | 15 |
| 39 | Microcapsule Buckling Triggered by Compression-Induced Interfacial Phase Change. Langmuir, 2016, 32, 10987-10994. | 1.6 | 16 |
| 40 | Single-molecule strong coupling at room temperature in plasmonic nanocavities. Nature, 2016, 535, 127-130. | 13.7 | 1,391 |
| 41 | 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 |
| 42 | Microfluidic Droplet-Facilitated Hierarchical Assembly for Dual Cargo Loading and Synergistic Delivery. ACS Applied Materials & Interfaces, 2016, 8, 8811-8820. | 4.0 | 33 |
| 43 | Cucurbit[8]urilâ€Regulated Nanopatterning of Binary Polymer Brushes via Colloidal Templating. Advanced Materials, 2015, 27, 7957-7962. | 11.1 | 33 |
| 44 | Turning Cucurbit[8]uril into a Supramolecular Nanoreactor for Asymmetric Catalysis. Angewandte Chemie - International Edition, 2015, 54, 13007-13011. | 7.2 | 71 |
| 45 | Responsive Double Network Hydrogels of Interpenetrating DNA and CB[8] Hostâ€“Guest Supramolecular Systems. Advanced Materials, 2015, 27, 3298-3304. | 11.1 | 201 |
| 46 | Electrostatically Directed Selfâ€Assembly of Ultrathin Supramolecular Polymer Microcapsules. Advanced Functional Materials, 2015, 25, 4091-4100. | 7.8 | 44 |
| 47 | Preparation and Supramolecular Recognition of Multivalent Peptideâ€“Polysaccharide Conjugates by Cucurbit[8]uril in Hydrogel Formation. Biomacromolecules, 2015, 16, 2436-2443. | 2.6 | 80 |
| 48 | Catalytic polymeric nanocomposites via cucurbit[n]uril hostâ€“guest interactions. Nanoscale, 2015, 7, 13416-13419. | 2.8 | 20 |
| 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 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 |
| 51 | Hybrid Supramolecular and Colloidal Hydrogels that Bridge Multiple Length Scales. Angewandte Chemie - International Edition, 2015, 54, 5383-5388. | 7.2 | 78 |
| 52 | Surface-immobilised micelles via cucurbit[8]uril-rotaxanes for solvent-induced burst release. Chemical Communications, 2015, 51, 4858-4860. | 2.2 | 10 |
| 53 | Unfolding the contents of sub-nm plasmonic gaps using normalising plasmon resonance spectroscopy. Faraday Discussions, 2015, 178, 185-193. | 1.6 | 52 |
| 54 | 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 |

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|---|---|---|---|
| 55 | Formation of Cucurbit[8]uril-Based Supramolecular Hydrogel Beads Using Droplet-Based Microfluidics. Biomacromolecules, 2015, 16, 2743-2749. | 2.6 | 34 |
| 56 | Cucurbituril-Based Molecular Recognition. Chemical Reviews, 2015, 115, 12320-12406. | 23.0 | 1,467 |
| 57 | Interfacial assembly of dendritic microcapsules with hostâ€"guest chemistry. Nature Communications, 2014, 5, 5772. | 5.8 | 101 |
| 58 | Activation Energies Control the Macroscopic Properties of Physically Crossâ€Linked Materials. Angewandte Chemie, 2014, 126, 10202-10207. | 1.6 | 16 |
| 59 | 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 |
| 60 | Activation Energies Control the Macroscopic Properties of Physically Crossâ€Linked Materials. Angewandte Chemie - International Edition, 2014, 53, 10038-10043. | 7.2 | 98 |
| 61 | Supramolecular polymeric peptide amphiphile vesicles for the encapsulation of basic fibroblast growth factor. Chemical Communications, 2014, 50, 3033-3035. | 2.2 | 68 |
| 62 | Hostâ€"guest accelerated photodimerisation of anthracene-labeled macromolecules in water. Polymer Chemistry, 2014, 5, 5375. | 1.9 | 64 |
| 63 | Supramolecular colloidosomes: fabrication, characterisation and triggered release of cargo. Chemical Communications, 2014, 50, 7048-7051. | 2.2 | 45 |
| 64 | Facile Method for Preparing Surface-Mounted Cucurbit[8]uril-Based Rotaxanes. Langmuir, 2014, 30, 10926-10932. | 1.6 | 39 |
| 65 | The control of cargo release from physically crosslinked hydrogels by crosslink dynamics. Biomaterials, 2014, 35, 9897-9903. | 5.7 | 77 |
| 66 | Photoresponsive Hybrid Raspberryâ€Like Colloids Based on Cucurbit[8]uril Hostâ€"Guest Interactions. Angewandte Chemie - International Edition, 2014, 53, 2166-2169. | 7.2 | 101 |
| 67 | Quantitative multiplexing with nano-self-assemblies in SERS. Scientific Reports, 2014, 4, 6785. | 1.6 | 84 |
| 68 | A Facile Route to Viologen Functional Macromolecules through Azideâ€"Alkyne [3+2] Cycloaddition. Macromolecular Rapid Communications, 2013, 34, 1547-1553. | 2.0 | 4 |
| 69 | Dynamically crosslinked materials via recognition of amino acids by cucurbit[8]uril. Journal of Materials Chemistry B, 2013, 1, 2904. | 2.9 | 55 |
| 70 | Supramolecular dimerisation of middle-chain Phe pentapeptides via CB[8] hostâ€"guest homoternary complex formation. Chemical Communications, 2013, 49, 8779. | 2.2 | 50 |
| 71 | Photocontrol over Cucurbit[8]uril Complexes: Stoichiometry and Supramolecular Polymers. Journal of the American Chemical Society, 2013, 135, 11760-11763. | 6.6 | 250 |
| 72 | Supramolecular polymeric hydrogels. Chemical Society Reviews, 2012, 41, 6195. | 18.7 | 988 |

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|---|---|---|---|
| 73 | A supramolecular route towards coreâ€"shell polymeric microspheres in water via cucurbit[8]uril complexation. Chemical Communications, 2012, 48, 8757. | 2.2 | 43 |
| 74 | Metastable single-chain polymer nanoparticles prepared by dynamic cross-linking with nor-seco-cucurbit[10]uril. Chemical Science, 2012, 3, 2278. | 3.7 | 74 |
| 75 | One-Step Fabrication of Supramolecular Microcapsules from Microfluidic Droplets. Science, 2012, 335, 690-694. | 6.0 | 416 |
| 76 | 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 |
| 77 | Triply Triggered Doxorubicin Release From Supramolecular Nanocontainers. Biomacromolecules, 2012, 13, 84-91. | 2.6 | 174 |
| 78 | Supramolecular Peptide Amphiphile Vesicles through Hostâ€"Guest Complexation. Angewandte Chemie - International Edition, 2012, 51, 9633-9637. | 7.2 | 191 |
| 79 | Orthogonal switching of a single supramolecular complex. Nature Communications, 2012, 3, 1207. | 5.8 | 164 |
| 80 | Ultrahigh-Water-Content Supramolecular Hydrogels Exhibiting Multistimuli Responsiveness. Journal of the American Chemical Society, 2012, 134, 11767-11773. | 6.6 | 409 |
| 81 | Formation of Singleâ€Chain Polymer Nanoparticles in Water through Hostâ€"Guest Interactions. Angewandte Chemie - International Edition, 2012, 51, 4185-4189. | 7.2 | 145 |
| 82 | Sustained release of proteins from high water content supramolecular polymer hydrogels. Biomaterials, 2012, 33, 4646-4652. | 5.7 | 139 |
| 83 | 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 |
| 84 | Supramolecular Glycopolymers in Water: A Reversible Route Toward Multivalent Carbohydrateâ€"Lectin Conjugates Using Cucurbit[8]uril. Macromolecules, 2011, 44, 4276-4281. | 2.2 | 64 |
| 85 | Postpolymerization Modification of Hydroxyl-Functionalized Polymers with Isocyanates. Macromolecules, 2011, 44, 4828-4835. | 2.2 | 73 |
| 86 | 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 |
| 87 | Peptide Separation through a CB[8]-Mediated Supramolecular Trap-and-Release Process. Langmuir, 2011, 27, 1387-1390. | 1.6 | 50 |
| 88 | A supramolecular route for reversible protein-polymer conjugation. Chemical Science, 2011, 2, 279-286. | 3.7 | 111 |
| 89 | 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 |
| 90 | An Aqueous Supramolecular Side-Chain Polymer Designed for Molecular Loading. Australian Journal of Chemistry, 2010, 63, 627. | 0.5 | 14 |

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| 91 | Probing cucurbit[8]uril-mediated supramolecular block copolymer assembly in water using diffusion NMR. Polymer Chemistry, 2010, 1, 1434. | 1.9 | 39 |
| 92 | 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 |
| 93 | 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 |
| 94 | Discrete, multi-component complexes with cucurbit[8]uril in the gas-phase. Chemical Communications, 2009, , 644. | 2.2 | 58 |
| 95 | Supramolecular Block Copolymers with Cucurbit[8]uril in Water. Angewandte Chemie - International Edition, 2008, 47, 3950-3953. | 7.2 | 291 |