

# Yuan Chong Jason Lim

## List of Publications by Citations

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42  
papers

1,635  
citations

21  
h-index

40  
g-index

44  
ext. papers

2,111  
ext. citations

8.1  
avg, IF

5.59  
L-index

| #  | Paper                                                                                                                                                                                                                                   | IF   | Citations |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 42 | Sigma-Hole Interactions in Anion Recognition. <i>CheM</i> , <b>2018</b> , 4, 731-783                                                                                                                                                    | 16.2 | 180       |
| 41 | Face Masks in the New COVID-19 Normal: Materials, Testing, and Perspectives. <i>Research</i> , <b>2020</b> , 2020, 7286735                                                                                                              | 7.8  | 168       |
| 40 | Chalcogen Bonding Macrocycles and [2]Rotaxanes for Anion Recognition. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 3122-3133                                                                                    | 16.4 | 148       |
| 39 | A Chiral Halogen-Bonding [3]Rotaxane for the Recognition and Sensing of Biologically Relevant Dicarboxylate Anions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 584-588                                        | 16.4 | 115       |
| 38 | Anion Recognition in Water by Charge-Neutral Halogen and Chalcogen Bonding Foldamer Receptors. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 4119-4129                                                           | 16.4 | 107       |
| 37 | Enantioselective Anion Recognition by Chiral Halogen-Bonding [2]Rotaxanes. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 12228-12239                                                                             | 16.4 | 84        |
| 36 | Halogen bonding-enhanced electrochemical halide anion sensing by redox-active ferrocene receptors. <i>Chemical Communications</i> , <b>2015</b> , 51, 14640-3                                                                           | 5.8  | 67        |
| 35 | Enhancing the enantioselective recognition and sensing of chiral anions by halogen bonding. <i>Chemical Communications</i> , <b>2016</b> , 52, 5527-30                                                                                  | 5.8  | 63        |
| 34 | Molecular gel sorbent materials for environmental remediation and wastewater treatment. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 18759-18791                                                                          | 13   | 57        |
| 33 | Superior perchlorate anion recognition in water by a halogen bonding acyclic receptor. <i>Chemical Communications</i> , <b>2015</b> , 51, 3686-8                                                                                        | 5.8  | 54        |
| 32 | Recent advances in supramolecular hydrogels for biomedical applications. <i>Materials Today Advances</i> , <b>2019</b> , 3, 100021                                                                                                      | 7.4  | 51        |
| 31 | A functionalised nickel cyclam catalyst for CO <sub>2</sub> reduction: electrocatalysis, semiconductor surface immobilisation and light-driven electron transfer. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 1562-6 | 3.6  | 50        |
| 30 | Neutral iodotriazole foldamers as tetradentate halogen bonding anion receptors. <i>Chemical Communications</i> , <b>2017</b> , 53, 2483-2486                                                                                            | 5.8  | 47        |
| 29 | Chiral halogen and chalcogen bonding receptors for discrimination of stereo- and geometric dicarboxylate isomers in aqueous media. <i>Chemical Communications</i> , <b>2018</b> , 54, 10851-10854                                       | 5.8  | 43        |
| 28 | Isoselective Lactide Ring Opening Polymerisation using [2]Rotaxane Catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6007-6011                                                                            | 16.4 | 41        |
| 27 | Thermodynamics of Anion Binding by Chalcogen Bonding Receptors. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 14560-14566                                                                                                   | 4.8  | 37        |
| 26 | A Halogen Bonding 1,3-Disubstituted Ferrocene Receptor for Recognition and Redox Sensing of Azide. <i>European Journal of Inorganic Chemistry</i> , <b>2017</b> , 2017, 220-224                                                         | 2.3  | 37        |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 25 | Strong and Selective Halide Anion Binding by Neutral Halogen-Bonding [2]Rotaxanes in Wet Organic Solvents. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 4700-4707                                                                             | 4.8  | 34 |
| 24 | A Chiral Halogen-Bonding [3]Rotaxane for the Recognition and Sensing of Biologically Relevant Dicarboxylate Anions. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 593-597                                                                                  | 3.6  | 28 |
| 23 | Thermogelling chitosan-based polymers for the treatment of oral mucosa ulcers. <i>Biomaterials Science</i> , <b>2020</b> , 8, 1364-1379                                                                                                                    | 7.4  | 22 |
| 22 | Neutral redox-active hydrogen- and halogen-bonding [2]rotaxanes for the electrochemical sensing of chloride. <i>Dalton Transactions</i> , <b>2014</b> , 43, 17274-82                                                                                       | 4.3  | 21 |
| 21 | Electrochemical Bromide Sensing with a Halogen Bonding [2]Rotaxane. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 3433-3441                                                                                                           | 3.2  | 21 |
| 20 | Bottom-Up Engineering of Responsive Hydrogel Materials for Molecular Detection and Biosensing <b>2020</b> , 2, 918-950                                                                                                                                     |      | 19 |
| 19 | A pyrrole-containing cleft-type halogen bonding receptor for oxoanion recognition and sensing in aqueous solvent media. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 10472-10475                                                                    | 3.6  | 19 |
| 18 | Isoselective Lactide Ring Opening Polymerisation using [2]Rotaxane Catalysts. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 6068-6072                                                                                                                      | 3.6  | 15 |
| 17 | Acid-Regulated Switching of Metal Cation and Anion Guest Binding in Halogen-Bonding Rotaxanes. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 17788-17795                                                                                       | 4.8  | 15 |
| 16 | Polyolefins and Polystyrene as Chemical Resources for a Sustainable Future: Challenges, Advances, and Prospects 1660-1676                                                                                                                                  |      | 14 |
| 15 | Polymeric hydrogels as a vitreous replacement strategy in the eye. <i>Biomaterials</i> , <b>2021</b> , 268, 120547                                                                                                                                         | 15.6 | 14 |
| 14 | PCL-Based Thermogelling Polymer: Molecular Weight Effects on Its Suitability as Vitreous Tamponade.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 9043-9053                                                                                         | 4.1  | 12 |
| 13 | Establishing empirical design rules of nucleic acid templates for the synthesis of silver nanoclusters with tunable photoluminescence and functionalities towards targeted bioimaging applications. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 3921-3932 | 5.1  | 11 |
| 12 | Antiangiogenic Nanomicelles for the Topical Delivery of Aflibercept to Treat Retinal Neovascular Disease. <i>Advanced Materials</i> , <b>2021</b> , e2108360                                                                                               | 24   | 8  |
| 11 | The Thermogel Chronicle From Rational Design of Thermogelling Copolymers to Advanced Thermogel Applications. <i>Accounts of Materials Research</i> ,                                                                                                       | 7.5  | 6  |
| 10 | Zinc diethyldithiocarbamate as a catalyst for synthesising biomedically-relevant thermogelling polyurethanes. <i>Materials Advances</i> , <b>2020</b> , 1, 3221-3232                                                                                       | 3.3  | 5  |
| 9  | Supramolecular thermogels from branched PCL-containing polyurethanes.. <i>RSC Advances</i> , <b>2020</b> , 10, 39109-39120                                                                                                                                 | 9.7  | 3  |
| 8  | Catalysts developed from waste plastics: a versatile system for biomass conversion. <i>Materials Today Chemistry</i> , <b>2021</b> , 21, 100524                                                                                                            | 6.2  | 5  |

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|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|
| 7 | Cationic all-halogen bonding rotaxanes for halide anion recognition. <i>Faraday Discussions</i> , <b>2017</b> , 203, 245-255                                                                  | 3.65 | 4 |
| 6 | High molecular weight hyper-branched PCL-based thermogelling vitreous endotamponades. <i>Biomaterials</i> , <b>2021</b> , 280, 121262                                                         | 15.6 | 3 |
| 5 | Halide Salt-Catalyzed Crosslinked Polyurethanes for Supercapacitor Gel Electrolyte Applications. <i>ChemSusChem</i> , <b>2021</b> , 14, 3237-3243                                             | 8.3  | 2 |
| 4 | Halogen Bonding Ionophore for Potentiometric Iodide Sensing. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 15543-15549                                                                      | 7.59 | 1 |
| 3 | Hofmeister effects of anions on self-assembled thermogels. <i>Materials Today Chemistry</i> , <b>2022</b> , 23, 100674                                                                        | 6.2  | 1 |
| 2 | A bio-functional polymer that prevents retinal scarring through modulation of NRF2 signalling pathway.. <i>Nature Communications</i> , <b>2022</b> , 13, 2796                                 | 17.4 | 1 |
| 1 | Branched PCL-Based Thermogelling Copolymers: Controlling Polymer Architecture to Tune Drug Release Profiles.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2022</b> , 10, 864372 | 5.8  | 0 |