Yuan Chong Jason Lim

List of Publications by Year in Descending Order

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	Hofmeister effects of anions on self-assembled thermogels. *Materials Today Chemistry*, **2022**, 23, 100674	6.2	1
41	Branched PCL-Based Thermogelling Copolymers: Controlling Polymer Architecture to Tune Drug Release Profiles.. *Frontiers in Bioengineering and Biotechnology*, **2022**, 10, 864372	5.8	0
40	A bio-functional polymer that prevents retinal scarring through modulation of NRF2 signalling pathway.. *Nature Communications*, **2022**, 13, 2796	17.4	1
39	Antiangiogenic Nanomicelles for the Topical Delivery of Aflibercept to Treat Retinal Neovascular Disease. *Advanced Materials*, **2021**, e2108360	24	8
38	High molecular weight hyper-branched PCL-based thermogelling vitreous endotamponades. *Biomaterials*, **2021**, 280, 121262	15.6	3
37	Halogen Bonding Ionophore for Potentiometric Iodide Sensing. *Analytical Chemistry*, **2021**, 93, 15543-15549	7.4	1
36	Polymeric hydrogels as a vitreous replacement strategy in the eye. *Biomaterials*, **2021**, 268, 120547	15.6	14
35	Halide Salt-Catalyzed Crosslinked Polyurethanes for Supercapacitor Gel Electrolyte Applications. *ChemSusChem*, **2021**, 14, 3237-3243	8.3	2
34	Catalysts developed from waste plastics: a versatile system for biomass conversion. *Materials Today Chemistry*, **2021**, 21, 100524	6.2	5
33	Zinc diethyldithiocarbamate as a catalyst for synthesising biomedically-relevant thermogelling polyurethanes. *Materials Advances*, **2020**, 1, 3221-3232	3.3	5
32	PCL-Based Thermogelling Polymer: Molecular Weight Effects on Its Suitability as Vitreous Tamponade.. *ACS Applied Bio Materials*, **2020**, 3, 9043-9053	4.1	12
31	Bottom-Up Engineering of Responsive Hydrogel Materials for Molecular Detection and Biosensing **2020**, 2, 918-950		19
30	Thermogelling chitosan-based polymers for the treatment of oral mucosa ulcers. *Biomaterials Science*, **2020**, 8, 1364-1379	7.4	22
29	Supramolecular thermogels from branched PCL-containing polyurethanes.. *RSC Advances*, **2020**, 10, 39109-39120	3.7	30
28	Establishing empirical design rules of nucleic acid templates for the synthesis of silver nanoclusters with tunable photoluminescence and functionalities towards targeted bioimaging applications. *Nanoscale Advances*, **2020**, 2, 3921-3932	5.1	11
27	Face Masks in the New COVID-19 Normal: Materials, Testing, and Perspectives. *Research*, **2020**, 2020, 7286735	7.8	168
26	Isoselective Lactide Ring Opening Polymerisation using [2]Rotaxane Catalysts. *Angewandte Chemie - International Edition*, **2019**, 58, 6007-6011	16.4	41

25	Isoselective Lactide Ring Opening Polymerisation using [2]Rotaxane Catalysts. *Angewandte Chemie*, **2019**, 131, 6068-6072	3.6	15
24	Anion Recognition in Water by Charge-Neutral Halogen and Chalcogen Bonding Foldamer Receptors. *Journal of the American Chemical Society*, **2019**, 141, 4119-4129	16.4	107
23	Molecular gel sorbent materials for environmental remediation and wastewater treatment. *Journal of Materials Chemistry A*, **2019**, 7, 18759-18791	13	57
22	Recent advances in supramolecular hydrogels for biomedical applications. *Materials Today Advances*, **2019**, 3, 100021	7.4	51
21	Electrochemical Bromide Sensing with a Halogen Bonding [2]Rotaxane. *European Journal of Organic Chemistry*, **2019**, 2019, 3433-3441	3.2	21
20	A pyrrole-containing cleft-type halogen bonding receptor for oxoanion recognition and sensing in aqueous solvent media. *New Journal of Chemistry*, **2018**, 42, 10472-10475	3.6	19
19	A Chiral Halogen-Bonding [3]Rotaxane for the Recognition and Sensing of Biologically Relevant Dicarboxylate Anions. *Angewandte Chemie*, **2018**, 130, 593-597	3.6	28
18	Sigma-Hole Interactions in Anion Recognition. *CheM*, **2018**, 4, 731-783	16.2	180
17	Thermodynamics of Anion Binding by Chalcogen Bonding Receptors. *Chemistry - A European Journal* , **2018**, 24, 14560-14566	4.8	37
16	A Chiral Halogen-Bonding [3]Rotaxane for the Recognition and Sensing of Biologically Relevant Dicarboxylate Anions. *Angewandte Chemie - International Edition*, **2018**, 57, 584-588	16.4	115
15	Chiral halogen and chalcogen bonding receptors for discrimination of stereo- and geometric dicarboxylate isomers in aqueous media. *Chemical Communications*, **2018**, 54, 10851-10854	5.8	43
14	Acid-Regulated Switching of Metal Cation and Anion Guest Binding in Halogen-Bonding Rotaxanes. *Chemistry - A European Journal*, **2018**, 24, 17788-17795	4.8	15
13	Chalcogen Bonding Macrocycles and [2]Rotaxanes for Anion Recognition. *Journal of the American Chemical Society*, **2017**, 139, 3122-3133	16.4	148
12	Strong and Selective Halide Anion Binding by Neutral Halogen-Bonding [2]Rotaxanes in Wet Organic Solvents. *Chemistry - A European Journal*, **2017**, 23, 4700-4707	4.8	34
11	Neutral iodotriazole foldamers as tetradentate halogen bonding anion receptors. *Chemical Communications*, **2017**, 53, 2483-2486	5.8	47
10	Cationic all-halogen bonding rotaxanes for halide anion recognition. *Faraday Discussions*, **2017**, 203, 245-265	3.6	4
9	Enantioselective Anion Recognition by Chiral Halogen-Bonding [2]Rotaxanes. *Journal of the American Chemical Society*, **2017**, 139, 12228-12239	16.4	84
8	A Halogen Bonding 1,3-Disubstituted Ferrocene Receptor for Recognition and Redox Sensing of Azide. *European Journal of Inorganic Chemistry*, **2017**, 2017, 220-224	2.3	37

7	Enhancing the enantioselective recognition and sensing of chiral anions by halogen bonding. *Chemical Communications*, **2016**, 52, 5527-30	5.8	63
6	A functionalised nickel cyclam catalyst for CO reduction: electrocatalysis, semiconductor surface immobilisation and light-driven electron transfer. *Physical Chemistry Chemical Physics*, **2015**, 17, 1562-6	3.6	50
5	Halogen bonding-enhanced electrochemical halide anion sensing by redox-active ferrocene receptors. *Chemical Communications*, **2015**, 51, 14640-3	5.8	67
4	Superior perrhenate anion recognition in water by a halogen bonding acyclic receptor. *Chemical Communications*, **2015**, 51, 3686-8	5.8	54
3	Neutral redox-active hydrogen- and halogen-bonding [2]rotaxanes for the electrochemical sensing of chloride. *Dalton Transactions*, **2014**, 43, 17274-82	4.3	21
2	Polyolefins and Polystyrene as Chemical Resources for a Sustainable Future: Challenges, Advances, and Prospects1660-1676		14
1	The Thermogel Chronicle From Rational Design of Thermogelling Copolymers to Advanced Thermogel Applications. *Accounts of Materials Research*,	7.5	6