Paul McKeown

List of Publications by Year in Descending Order

34 papers	917 citations	17 h-index	30 g-index
35 ext. papers	1,217 ext. citations	5.5 avg, IF	5 L-index

#	Paper	IF	Citations
34	Aluminium(III) and zinc(II) complexes of azobenzene-containing ligands for ring-opening polymerisation of ε-caprolactone and rac-lactide. *Inorganic Chemistry Frontiers*, **2021**, 8, 711-719	6.8	10
33	Ring-Opening Copolymerization Using Simple Fe(III) Complexes and Metal- and Halide-Free Organic Catalysts. *Macromolecules*, **2021**, 54, 8443-8452	5.5	1
32	Make or break: Mg(II)- and Zn(II)-catalen complexes for PLA production and recycling of commodity polyesters. *Polymer Chemistry*, **2021**, 12, 1086-1096	4.9	6
31	Chemical Degradation of End-of-Life Poly(lactic acid) into Methyl Lactate by a Zn(II) Complex. *Industrial & Engineering Chemistry Research*, **2020**, 59, 11149-11156	3.9	25
30	Organocatalysis for versatile polymer degradation. *Green Chemistry*, **2020**, 22, 3721-3726	10	27
29	The Chemical Recycling of PLA: A Review. *Sustainable Chemistry*, **2020**, 1, 1-22	3.6	42
28	Novel hybrid aluminium(iii)-catalen complexes as highly active catalysts for lactide polymerisation: towards industrial relevance. *Chemical Communications*, **2020**, 56, 7163-7166	5.8	7
27	Mono- and dimeric zinc(II) complexes for PLA production and degradation into methyl lactate – a chemical recycling method. *Polymer Chemistry*, **2020**, 11, 2381-2389	4.9	17
26	Kinetics of Methyl Lactate Formation from the Transesterification of Polylactic Acid Catalyzed by Zn(II) Complexes. *ACS Omega*, **2020**, 5, 5556-5564	3.9	15
25	Salalen vs. thiolen: in the ring(-opening of epoxide and cyclic carbonate formation). *New Journal of Chemistry*, **2020**, 44, 6063-6067	3.6	5
24	Low-temperature and purification-free stereocontrolled ring-opening polymerisation of lactide in supercritical carbon dioxide. *Green Chemistry*, **2020**, 22, 2197-2202	10	5
23	Kinetics of Alkyl Lactate Formation from the Alcoholysis of Poly(Lactic Acid). *Processes*, **2020**, 8, 738	2.9	8
22	Ethyl Lactate Production from the Catalytic Depolymerisation of Post-consumer Poly(lactic acid). *Journal of Polymers and the Environment*, **2020**, 28, 2956-2964	4.5	6
21	The synthesis, characterisation and application of iron(iii)-acetate complexes for cyclic carbonate formation and the polymerisation of lactide. *Dalton Transactions*, **2019**, 48, 15049-15058	4.3	13
20	Tuning a robust system: N,O zinc guanidine catalysts for the ROP of lactide. *Dalton Transactions*, **2019**, 48, 6071-6082	4.3	19
19	A circular economy approach to plastic waste. *Polymer Degradation and Stability*, **2019**, 165, 170-181	4.7	122
18	Salalens and Salans Derived from 3-Aminopyrrolidine: Aluminium Complexation and Lactide Polymerisation. *European Journal of Inorganic Chemistry*, **2019**, 2019, 2768-2773	2.3	2

17	Tuning the Thiolen: Al(III) and Fe(III) Thiolen Complexes for the Isoselective ROP of rac-Lactide. *Macromolecules*, **2019**, 52, 5977-5984	5.5	13
16	Zinc Complexes for PLA Formation and Chemical Recycling: Towards a Circular Economy. *ChemSusChem*, **2019**, 12, 5233	8.3	26
15	Making the cut: Monopyrrolidine-based complexes for the ROP of lactide. *European Polymer Journal*, **2019**, 114, 319-325	5.2	5
14	Poly(lactic acid) Degradation into Methyl Lactate Catalyzed by a Well-Defined Zn(II) Complex. *ACS Catalysis*, **2019**, 9, 409-416	13.1	50
13	Highly active Mg(II) and Zn(II) complexes for the ring opening polymerisation of lactide. *Polymer Chemistry*, **2018**, 9, 5339-5347	4.9	44
12	Iron(III) Salalen Complexes for the Polymerisation of Lactide. *European Journal of Inorganic Chemistry*, **2018**, 2018, 5129-5135	2.3	18
11	Ligands and complexes based on piperidine and their exploitation of the ring opening polymerisation of rac-lactide. *Dalton Transactions*, **2017**, 46, 5048-5057	4.3	21
10	Highly Active N,O Zinc Guanidine Catalysts for the Ring-Opening Polymerization of Lactide. *ChemSusChem*, **2017**, 10, 3547-3556	8.3	46
9	Synthesis of ZnII and AlIII Complexes of Diaminocyclohexane-Derived Ligands and Their Exploitation for the Ring Opening Polymerisation of rac-Lactide. *European Journal of Inorganic Chemistry*, **2017**, 2017, 5417-5426	2.3	9
8	ZnII Chlorido Complexes with Aliphatic, Chiral Bisguanidine Ligands as Catalysts in the Ring-Opening Polymerisation of rac-Lactide Using FT-IR Spectroscopy in Bulk. *European Journal of Inorganic Chemistry*, **2017**, 2017, 5557-5570	2.3	17
7	Reactivity of Zinc Halide Complexes Containing Camphor-Derived Guanidine Ligands with Technical rac-Lactide. *Inorganics*, **2017**, 5, 85	2.9	10
6	Aminopiperidine based complexes for lactide polymerisation. *Dalton Transactions*, **2016**, 45, 5374-87	4.3	24
5	Aluminium salalens vs. salans: "Initiator Design" for the isoselective polymerisation of rac-lactide. *Chemical Communications*, **2016**, 52, 10431-4	5.8	66
4	Metal influence on the iso- and hetero-selectivity of complexes of bipyrrolidine derived salan ligands for the polymerisation of -lactide. *Chemical Science*, **2015**, 6, 5034-5039	9.4	84
3	Zirconium complexes of bipyrrolidine derived salan ligands for the isoselective polymerisation of rac-lactide. *Chemical Communications*, **2014**, 50, 15967-70	5.8	98
2	Macroporous metal–organic framework microparticles with improved liquid phase separation. *Journal of Materials Chemistry A*, **2014**, 2, 9085-9090	13	54
1	The removal of food fat based soils during the washing of fabrics. *Chemical Engineering Research and Design*, **2013**, 91, 1602-1613	5.5	2