Paul McKeown

List of Publications by Year
in descending order

34 papers	1,487 citations	304368 22 h-index	377514 34 g-index
35 all docs	35 docs citations	35 times ranked	1006 citing authors

#	Article	IF	Citations
1	A circular economy approach to plastic waste. Polymer Degradation and Stability, 2019, 165, 170-181.	2.7	236
2	The Chemical Recycling of PLA: A Review. Sustainable Chemistry, 2020, 1, 1-22.	2.2	121
3	Zirconium complexes of bipyrrolidine derived salan ligands for the isoselective polymerisation of <i>rac</i>-lactide. Chemical Communications, 2014, 50, 15967-15970.	2.2	105
4	Poly(lactic acid) Degradation into Methyl Lactate Catalyzed by a Well-Defined Zn(II) Complex. ACS Catalysis, 2019, 9, 409-416.	5.5	99
5	Metal influence on the iso- and hetero-selectivity of complexes of bipyrrolidine derived salan ligands for the polymerisation of rac-lactide. Chemical Science, 2015, 6, 5034-5039.	3.7	90
6	Macroporous metalâ€"organic framework microparticles with improved liquid phase separation. Journal of Materials Chemistry A, 2014, 2, 9085-9090.	5.2	77
7	Aluminium salalens vs. salans: â€œInitiator Designâ€• for the isoselective polymerisation of rac-lactide. Chemical Communications, 2016, 52, 10431-10434.	2.2	71
8	Organocatalysis for versatile polymer degradation. Green Chemistry, 2020, 22, 3721-3726.	4.6	67
9	Highly active Mg(<scp>ii</scp>) and Zn(<scp>ii</scp>) complexes for the ring opening polymerisation of lactide. Polymer Chemistry, 2018, 9, 5339-5347.	1.9	61
10	Highly Active N,O Zinc Guanidine Catalysts for the Ringâ€Opening Polymerization of Lactide. ChemSusChem, 2017, 10, 3547-3556.	3.6	60
11	Zinc Complexes for PLA Formation and Chemical Recycling: Towards a Circular Economy. ChemSusChem, 2019, 12, 5233-5238.	3.6	53
12	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.	1.8	43
13	Mono- and dimeric zinc(<scp>ii</scp>) complexes for PLA production and degradation into methyl lactate â€" a chemical recycling method. Polymer Chemistry, 2020, 11, 2381-2389.	1.9	40
14	Tuning a robust system: N,O zinc guanidine catalysts for the ROP of lactide. Dalton Transactions, 2019, 48, 6071-6082.	1.6	31
15	Make or break: Mg(<scp>ii</scp>)- and Zn(<scp>ii</scp>)-catalen complexes for PLA production and recycling of commodity polyesters. Polymer Chemistry, 2021, 12, 1086-1096.	1.9	31
16	Iron(III) Salalen Complexes for the Polymerisation of Lactide. European Journal of Inorganic Chemistry, 2018, 2018, 5129-5135.	1.0	27
17	Aluminium(<scp>iii</scp>) and zinc(<scp>ii</scp>) complexes of azobenzene-containing ligands for ring-opening polymerisation of Îµ-caprolactone and <i>rac</i>-lactide. Inorganic Chemistry Frontiers, 2021, 8, 711-719.	3.0	26
18	Tuning the Thiolen: Al(III) and Fe(III) Thiolen Complexes for the Isoselective ROP of <i>rac</i>-Lactide. Macromolecules, 2019, 52, 5977-5984.	2.2	25

#	Article	IF	Citations
19	The synthesis, characterisation and application of iron(<scp>iii</scp>)â€“acetate complexes for cyclic carbonate formation and the polymerisation of lactide. Dalton Transactions, 2019, 48, 15049-15058.	1.6	25
20	Aminopiperidine based complexes for lactide polymerisation. Dalton Transactions, 2016, 45, 5374-5387.	1.6	24
21	Ligands and complexes based on piperidine and their exploitation of the ring opening polymerisation of rac-lactide. Dalton Transactions, 2017, 46, 5048-5057.	1.6	24
22	Kinetics of Methyl Lactate Formation from the Transesterification of Polylactic Acid Catalyzed by Zn(II) Complexes. ACS Omega, 2020, 5, 5556-5564.	1.6	23
23	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.	1.0	22
24	Making the cut: Monopyrrolidine-based complexes for the ROP of lactide. European Polymer Journal, 2019, 114, 319-325.	2.6	14
25	Ethyl Lactate Production from the Catalytic Depolymerisation of Post-consumer Poly(lactic acid). Journal of Polymers and the Environment, 2020, 28, 2956-2964.	2.4	14
26	Kinetics of Alkyl Lactate Formation from the Alcoholysis of Poly(Lactic Acid). Processes, 2020, 8, 738.	1.3	13
27	Reactivity of Zinc Halide Complexes Containing Camphor-Derived Guanidine Ligands with Technical rac-Lactide. Inorganics, 2017, 5, 85.	1.2	12
28	Ring-Opening Copolymerization Using Simple Fe(III) Complexes and Metal- and Halide-Free Organic Catalysts. Macromolecules, 2021, 54, 8443-8452.	2.2	12
29	Synthesis of Zn^{II} and Al^{III} Complexes of Diaminocyclohexaneâ€Derived Ligands and Their Exploitation for the Ring Opening Polymerisation of <i>rac</i>â€Lactide. European Journal of Inorganic Chemistry, 2017, 2017, 5417-5426.	1.0	10
30	Novel hybrid aluminium(iii)â€“catalen complexes as highly active catalysts for lactide polymerisation: towards industrial relevance. Chemical Communications, 2020, 56, 7163-7166.	2.2	10
31	Salalen <i>vs.</i> thiolen: in the ring(-opening of epoxide and cyclic carbonate formation). New Journal of Chemistry, 2020, 44, 6063-6067.	1.4	8
32	Low-temperature and purification-free stereocontrolled ring-opening polymerisation of lactide in supercritical carbon dioxide. Green Chemistry, 2020, 22, 2197-2202.	4.6	7
33	The removal of food fat based soils during the washing of fabrics. Chemical Engineering Research and Design, 2013, 91, 1602-1613.	2.7	3
34	Salalens and Salans Derived from 3-Aminopyrrolidine: Aluminium Complexation and Lactide Polymerisation. European Journal of Inorganic Chemistry, 2019, 2019, 2768-2773.	1.0	3