Jennifer A Garden

List of Publications by Year
in descending order

31 papers	992 citations	471509 17 h-index	434195 31 g-index
34 all docs	34 docs citations	34 times ranked	834 citing authors

#	Article	IF	Citations
1	Greater than the Sum of Its Parts: A Heterodinuclear Polymerization Catalyst. Journal of the American Chemical Society, 2015, 137, 15078-15081.	13.7	188
2	Heterodinuclear zinc and magnesium catalysts for epoxide/CO₂ ring opening copolymerizations. Chemical Science, 2019, 10, 4618-4627.	7.4	117
3	Dinuclear Zinc Salen Catalysts for the Ring Opening Copolymerization of Epoxides and Carbon Dioxide or Anhydrides. Inorganic Chemistry, 2015, 54, 11906-11915.	4.0	103
4	Advances in heterometallic ring-opening (co)polymerisation catalysis. Nature Communications, 2021, 12, 3252.	12.8	62
5	Groups 1, 2 and Zn(II) Heterodinuclear Catalysts for Epoxide/CO₂ Ring-Opening Copolymerization. Inorganic Chemistry, 2018, 57, 15575-15583.	4.0	56
6	Heterodinuclear titanium/zinc catalysis: synthesis, characterization and activity for CO₂/epoxide copolymerization and cyclic ester polymerization. Dalton Transactions, 2017, 46, 2532-2541.	3.3	50
7	Diâ€Zincâ€“Aryl Complexes: CO₂ Insertions and Applications in Polymerisation Catalysis. Chemistry - A European Journal, 2017, 23, 7367-7376.	3.3	41
8	Stable Fe(iii) phenoxyimines as selective and robust CO2/epoxide coupling catalysts. Dalton Transactions, 2018, 47, 13106-13112.	3.3	30
9	Cooperative Heterometallic Catalysts for Lactide Ring-Opening Polymerization: Combining Aluminum with Divalent Metals. Inorganic Chemistry, 2021, 60, 2294-2303.	4.0	30
10	Modifying Alkylzinc Reactivity with 2,2â€²â€Dipyridylamide: Activation of tBuï£¿Zn Bonds for paraâ€Alkylation of Benzophenone. Angewandte Chemie - International Edition, 2013, 52, 7190-7193.	13.8	24
11	Evaluating cisâ€2,6â€Dimethylpiperidide (cisâ€DMP) as a Base Component in Lithiumâ€Mediated Zincation Chemistry. Chemistry - A European Journal, 2013, 19, 13492-13503.	3.3	24
12	Neutral zinc, lower-order zincate and higher-order zincate derivatives of pyrrole: synthesis and structural characterisation of zinc complexes with one, two, three or four pyrrolyl ligands. Dalton Transactions, 2011, 40, 11945.	3.3	23
13	In Situ Versus Isolated Zinc Catalysts in the Selective Synthesis of Homo and Multi-block Polyesters. Macromolecules, 2020, 53, 4294-4302.	4.8	23
14	Combining alkali metals and zinc to harness heterometallic cooperativity in cyclic ester ring-opening polymerisation. Chemical Science, 2020, 11, 11785-11790.	7.4	22
15	Donor-Activated Lithiation and Sodiation of Trifluoromethylbenzene: Structural, Spectroscopic, and Theoretical Insights. Organometallics, 2013, 32, 5481-5490.	2.3	21
16	Hydrolysis of organometallic and metalâ€“amide precursors: synthesis routes to oxo-bridged heterometallic complexes, metal-oxo clusters and metal oxide nanoparticles. Dalton Transactions, 2018, 47, 3638-3662.	3.3	21
17	Dizincation of a 2â€Substituted Thiophene: Constructing a Cage with a [16]Crownâ€4 Zincocyclic Core. Angewandte Chemie - International Edition, 2012, 51, 6934-6937.	13.8	18
18	IronIIIHalf Salen Catalysts for Atom Transfer Radical and Ring-Opening Polymerizations. ACS Omega, 2018, 3, 16945-16953.	3.5	18

#	Article	IF	Citations
19	Electron rich salen-AlCl catalysts as efficient initiators for the ring-opening polymerisation of rac-lactide. European Polymer Journal, 2019, 119, 507-513.	5.4	18
20	Ambient temperature zincation of N-Boc pyrrolidine and its solvent dependency. Chemical Communications, 2012, 48, 5265.	4.1	17
21	Heterometallic cooperativity in divalent metal ProPhenol catalysts: combining zinc with magnesium or calcium for cyclic ester ring-opening polymerisation. Catalysis Science and Technology, 2022, 12, 1070-1079.	4.1	11
22	Electron rich (salen)AlCl catalysts for lactide polymerisation: Investigation of the influence of regioisomers on the rate and initiation efficiency. European Polymer Journal, 2020, 138, 109917.	5.4	10
23	Salt additives as activity boosters: a simple strategy to access heterometallic cooperativity in lactide polymerisation. Chemical Communications, 2022, 58, 1609-1612.	4.1	10
24	Donor-activated alkali metal dipyridylamides: co-complexation reactions with zinc alkyls and reactivity studies with benzophenone. Dalton Transactions, 2014, 43, 14409-14423.	3.3	9
25	Dinuclear Ce(IV) Aryloxides: Highly Active Catalysts for Anhydride/Epoxide Ring-Opening Copolymerization. Organometallics, 2021, 40, 948-958.	2.3	9
26	Lithium Halfâ€Salen Complexes: Synthesis, Structural Characterization and Studies as Catalysts for racâ€Lactide Ringâ€Opening Polymerization. European Journal of Organic Chemistry, 2021, 2021, 5557-5568.	2.4	7
27	Enhancing the solvent resistance and thermomechanical properties of thermoplastic acrylic polymers and composites via reactive hybridisation. Materials and Design, 2021, 206, 109804.	7.0	6
28	Incorporating Sodium to Boost the Activity of Aluminium TrenSal Complexes towards racâ€Lactide Polymerisation. European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	5
29	Exploiting multimetallic catalysts to access polymer materials from CO2. Green Materials, 2017, , 1-6.	2.1	1
30	Low Formaldehyde Binders for Mineral Wool Insulation: A Review. Global Challenges, 2022, 6, 2100110.	3.6	1
31	Zinc Reagents in Organic Synthesis. , 2021, , .		0