

Jennifer A Garden

List of Publications by Year in descending order

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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	Heterometallic cooperativity in divalent metal ProPhenol catalysts: combining zinc with magnesium or calcium for cyclic ester ring-opening polymerisation. <i>Catalysis Science and Technology</i> , 2022, 12, 1070-1079.	4.1	11
2	Low Formaldehyde Binders for Mineral Wool Insulation: A Review. <i>Global Challenges</i> , 2022, 6, 2100110.	3.6	1
3	Salt additives as activity boosters: a simple strategy to access heterometallic cooperativity in lactide polymerisation. <i>Chemical Communications</i> , 2022, 58, 1609-1612.	4.1	10
4	Incorporating Sodium to Boost the Activity of Aluminium TrenSal Complexes towards <i>rac</i> -Lactide Polymerisation. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	2.0	5
5	Dinuclear Ce(IV) Aryloxides: Highly Active Catalysts for Anhydride/Epoxyde Ring-Opening Copolymerization. <i>Organometallics</i> , 2021, 40, 948-958.	2.3	9
6	Advances in heterometallic ring-opening (co)polymerisation catalysis. <i>Nature Communications</i> , 2021, 12, 3252.	12.8	62
7	Enhancing the solvent resistance and thermomechanical properties of thermoplastic acrylic polymers and composites via reactive hybridisation. <i>Materials and Design</i> , 2021, 206, 109804.	7.0	6
8	Cooperative Heterometallic Catalysts for Lactide Ring-Opening Polymerization: Combining Aluminum with Divalent Metals. <i>Inorganic Chemistry</i> , 2021, 60, 2294-2303.	4.0	30
9	Lithium Half-Salen Complexes: Synthesis, Structural Characterization and Studies as Catalysts for <i>rac</i> -Lactide Ring-Opening Polymerization. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 5557-5568.	2.4	7
10	Zinc Reagents in Organic Synthesis. , 2021, , .		0
11	Electron rich (salen)AlCl catalysts for lactide polymerisation: Investigation of the influence of regioisomers on the rate and initiation efficiency. <i>European Polymer Journal</i> , 2020, 138, 109917.	5.4	10
12	Combining alkali metals and zinc to harness heterometallic cooperativity in cyclic ester ring-opening polymerisation. <i>Chemical Science</i> , 2020, 11, 11785-11790.	7.4	22
13	<i>In Situ</i> Versus Isolated Zinc Catalysts in the Selective Synthesis of Homo and Multi-block Polyesters. <i>Macromolecules</i> , 2020, 53, 4294-4302.	4.8	23
14	Electron rich salen-AlCl catalysts as efficient initiators for the ring-opening polymerisation of <i>rac</i> -lactide. <i>European Polymer Journal</i> , 2019, 119, 507-513.	5.4	18
15	Heterodinuclear zinc and magnesium catalysts for epoxide/CO ₂ ring opening copolymerizations. <i>Chemical Science</i> , 2019, 10, 4618-4627.	7.4	117
16	Hydrolysis of organometallic and metal-oxo amide precursors: synthesis routes to oxo-bridged heterometallic complexes, metal-oxo clusters and metal oxide nanoparticles. <i>Dalton Transactions</i> , 2018, 47, 3638-3662.	3.3	21
17	Iron(III) Half Salen Catalysts for Atom Transfer Radical and Ring-Opening Polymerizations. <i>ACS Omega</i> , 2018, 3, 16945-16953.	3.5	18
18	Groups 1, 2 and Zn(II) Heterodinuclear Catalysts for Epoxide/CO ₂ Ring-Opening Copolymerization. <i>Inorganic Chemistry</i> , 2018, 57, 15575-15583.	4.0	56

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19	Stable Fe(III) phenoxyimines as selective and robust CO ₂ /epoxide coupling catalysts. Dalton Transactions, 2018, 47, 13106-13112.	3.3	30
20	Heterodinuclear titanium/zinc catalysis: synthesis, characterization and activity for CO ₂ /epoxide copolymerization and cyclic ester polymerization. Dalton Transactions, 2017, 46, 2532-2541.	3.3	50
21	Di-Zinc Aryl Complexes: CO ₂ Insertions and Applications in Polymerisation Catalysis. Chemistry - A European Journal, 2017, 23, 7367-7376.	3.3	41
22	Exploiting multimetallic catalysts to access polymer materials from CO ₂ . Green Materials, 2017, , 1-6.	2.1	1
23	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
24	Greater than the Sum of Its Parts: A Heterodinuclear Polymerization Catalyst. Journal of the American Chemical Society, 2015, 137, 15078-15081.	13.7	188
25	Donor-activated alkali metal dipyriddyamides: co-complexation reactions with zinc alkyls and reactivity studies with benzophenone. Dalton Transactions, 2014, 43, 14409-14423.	3.3	9
26	Modifying Alkylzinc Reactivity with 2,2'-Bipyridylamide: Activation of σ -Bu ₂ Zn Bonds for α -Alkylation of Benzophenone. Angewandte Chemie - International Edition, 2013, 52, 7190-7193.	13.8	24
27	Donor-Activated Lithiation and Sodiation of Trifluoromethylbenzene: Structural, Spectroscopic, and Theoretical Insights. Organometallics, 2013, 32, 5481-5490.	2.3	21
28	Evaluating <i>cis</i> -2,6-Dimethylpiperidine (<i>cis</i> -DMP) as a Base Component in Lithium-Mediated Zincation Chemistry. Chemistry - A European Journal, 2013, 19, 13492-13503.	3.3	24
29	Ambient temperature zincation of N-Boc pyrrolidine and its solvent dependency. Chemical Communications, 2012, 48, 5265.	4.1	17
30	Dizincation of a 2-Substituted Thiophene: Constructing a Cage with a [16]Crown-4 Zincocyclic Core. Angewandte Chemie - International Edition, 2012, 51, 6934-6937.	13.8	18
31	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