

Fanny Bonnet

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48
papers

1,721
citations

24
h-index

41
g-index

49
ext. papers

1,821
ext. citations

5.6
avg, IF

4.51
L-index

#	Paper	IF	Citations
48	Lanthanide borohydride complexes supported by diaminobis(phenoxide) ligands for the polymerization of epsilon-caprolactone and L- and rac-lactide. <i>Inorganic Chemistry</i> , 2005 , 44, 9046-55	5.1	206
47	Ring-Opening Polymerization of rac-Lactide by Bis(phenolate)amine-Supported Samarium Borohydride Complexes: An Experimental and DFT Study. <i>Organometallics</i> , 2010 , 29, 3602-3621	3.8	143
46	Highly trans-Stereospecific Isoprene Polymerization by Neodymium Borohydrido Catalysts□ <i>Macromolecules</i> , 2005 , 38, 3162-3169	5.5	122
45	Functionalization of syndiotactic polystyrene. <i>Progress in Polymer Science</i> , 2009 , 34, 369-392	29.6	84
44	Borohydride complexes of rare earths, and their applications in various organic transformations. <i>Coordination Chemistry Reviews</i> , 2011 , 255, 374-420	23.2	82
43	Unprecedented dual behaviour of a half-sandwich scandium-based initiator for both highly selective isoprene and styrene polymerisation. <i>Chemical Communications</i> , 2009 , 3380-2	5.8	73
42	Genuine heteroleptic complexes of early rare-earth metals: synthesis, X-ray structure, and their use for stereospecific isoprene polymerization catalysis. <i>Chemistry - A European Journal</i> , 2004 , 10, 2428-34	4.8	66
41	Isoprene-styrene chain shuttling copolymerization mediated by a lanthanide half-sandwich complex and a lanthanidocene: straightforward access to a new type of thermoplastic elastomers. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4638-41	16.4	61
40	Stereospecific Polymerization of Isoprene with Nd(BH ₄) ₃ (THF) ₃ /MgBu ₂ as Catalyst. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 873-877	4.8	60
39	Organometallic early lanthanide clusters: syntheses and X-ray structures of new monocyclopentadienyl complexes. <i>Inorganic Chemistry</i> , 2004 , 43, 3682-90	5.1	57
38	The first rare earth organometallic complex of 1,4,7-trithiacyclononane: a precursor to unique cationic ethylene and alpha-olefin polymerisation catalysts supported by an all-sulfur donor ligand. <i>Chemical Communications</i> , 2005 , 3301-3	5.8	56
37	Lanthanide mono(borohydride) complexes of diamide-diamine donor ligands: novel single site catalysts for the polymerisation of methyl methacrylate. <i>Dalton Transactions</i> , 2005 , 421-3	4.3	54
36	Modification of starch by graft copolymerization. <i>Starch/Staerke</i> , 2018 , 70, 1600351	2.3	47
35	Trans-stereospecific polymerization of butadiene and random copolymerization with styrene using borohydrido neodymium/magnesium dialkyl catalysts. <i>European Polymer Journal</i> , 2013 , 49, 4130-4140	5.2	34
34	Reversible coordinative chain transfer polymerization of styrene by rare earth borohydrides, chlorides/dialkylmagnesium systems. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 802-814	2.5	33
33	Non-hindered ansamarocenes, versatile catalysts for diene/olefin/polar monomer copolymerisations. What is really the active species?. <i>Journal of Organometallic Chemistry</i> , 2002 , 647, 167-179	2.3	33
32	A joint experimental/theoretical investigation of the statistical olefin/conjugated diene copolymerization catalyzed by a hemi-lanthanidocene [(Cp*)(BH ₄)LnR]. <i>Chemistry - A European Journal</i> , 2010 , 16, 11376-85	4.8	32

31	Copolymerization of Isoprene with Nonconjugated Dienes Using a Single Component Samarocene Catalyst. <i>Macromolecules</i> , 2002 , 35, 1143-1145	5.5	32
30	Synthesis of samarium(II) borohydrides and their behaviour as initiators in styrene and epsilon-caprolactone polymerisation. <i>Dalton Transactions</i> , 2010 , 39, 6761-6	4.3	30
29	Synthesis and structure of divalent thulium borohydrides, and their application in epsilon-caprolactone polymerisation. <i>Chemical Communications</i> , 2011 , 47, 12203-5	5.8	29
28	Tuning the catalytic properties of rare earth borohydrides for the polymerisation of isoprene. <i>Dalton Transactions</i> , 2013 , 42, 790-801	4.3	28
27	New Viscoelastic Materials Obtained by Insertion of an Olefin in a trans-Polyisoprene Chain with a Single-Component Organolanthanide Catalyst. <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 2485-2488	2.6	26
26	New divalent samarocenes for butadiene polymerisation: influence of the steric effect and the electron density on the catalytic activity. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 264-269	2.3	25
25	Mixed Allyl Borohydride Lanthanide Complexes: Synthesis of Ln(BH ₄) ₂ (C ₃ H ₅)(THF) ₃ (Ln = Nd, Sm), Characterization, and Reactivity toward Polymerization. <i>Organometallics</i> , 2016 , 35, 456-461	3.8	24
24	Bis(phenolate)amine-supported lanthanide borohydride complexes for styrene and trans-1,4-isoprene (co-)polymerisations. <i>Dalton Transactions</i> , 2015 , 44, 12312-25	4.3	24
23	Highly efficient cis-1,4 polymerisation of isoprene using simple homoleptic amido rare earth-based catalysts. <i>Polymer</i> , 2014 , 55, 5013-5016	3.9	22
22	Uranium(IV) amido-borohydrides as highly active diene polymerisation catalysts. <i>Dalton Transactions</i> , 2013 , 42, 9033-9	4.3	22
21	Continuous cyclo-polymerisation of L-lactide by reactive extrusion using atoxic metal-based catalysts: easy access to well-defined polylactide macrocycles. <i>RSC Advances</i> , 2015 , 5, 31303-31310	3.7	21
20	Mixed Allyl Rare-Earth Borohydride Complexes: Synthesis, Structure, and Application in (Co-)Polymerization Catalysis of Cyclic Esters. <i>Chemistry - A European Journal</i> , 2017 , 23, 15644-15654	4.8	20
19	Recent Advances in Rare Earth Complexes Bearing Allyl Ligands and Their Reactivity towards Conjugated Dienes and Styrene Polymerization. <i>Catalysts</i> , 2017 , 7, 378	4	20
18	Diene/olefin/polar monomer copolymerisation: unprecedented functional polymers from a rare earth catalyst. <i>Polymer International</i> , 2002 , 51, 986-993	3.3	19
17	Diene/polar monomer copolymers, compatibilisers for polar/non-polar polymer blends. A controlled block copolymerisation with a single-site component samarocene initiator. <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 1194	2.6	16
16	A DFT study of conjugated dienes polymerisation catalyzed by [Cp*ScR] ⁺ : insights into the propensity for cis-1,4 insertion. <i>Chemical Communications</i> , 2010 , 46, 2965-7	5.8	15
15	Mechanistic Insights of the Initiation Process of the Ring-Opening Polymerization of epsilon-Caprolactone by Divalent Sm(BH ₄) ₂ (THF) ₂ with DFT: Concerted or Oxidative Reaction?. <i>Organometallics</i> , 2011 , 30, 4482-4485	3.8	15
14	Structural diversity in the borohydrido lanthanides series: First isolation and X-ray crystal structure of ionic. <i>Inorganic Chemistry Communication</i> , 2007 , 10, 690-694	3.1	14

13	IsopreneStyrene Chain Shuttling Copolymerization Mediated by a Lanthanide Half-Sandwich Complex and a Lanthanidocene: Straightforward Access to a New Type of Thermoplastic Elastomers. <i>Angewandte Chemie</i> , 2014 , 126, 4726-4729	3.6	13
12	Organolanthanides, catalysts for specific olefin-diene copolymerization: access to new materials. <i>Journal of Alloys and Compounds</i> , 2001 , 323-324, 592-596	5.7	13
11	Cyclic versus linear polylactide: Straightforward access using a single catalyst. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 3175-3179	2.5	12
10	Isoprene polymerization mediated by vanadium-[ONNO] complexes. <i>Dalton Transactions</i> , 2016 , 45, 12062-12067	4.3	9
9	Preparation of Glass Fabric/Poly(l-lactide) Composites by Thermoplastic Resin Transfer Molding. <i>Polymers</i> , 2019 , 11,	4.5	8
8	μ-Diketimate-supported magnesium alkyl: synthesis, structure and application as co-catalyst for polymerizations mediated by a lanthanum half-sandwich complex. <i>Applied Organometallic Chemistry</i> , 2016 , 30, 26-31	3.1	6
7	Rationalizing the Reactivity of Mixed Allyl Rare-Earth Borohydride Complexes with DFT Studies. <i>Catalysts</i> , 2020 , 10, 820	4	4
6	Novel hybrid poly(l-lactic acid) from titanium oxo-cluster via reactive extrusion polymerization. <i>European Polymer Journal</i> , 2020 , 122, 109238	5.2	4
5	Comparative studies of thermal and mechanical properties of macrocyclic versus linear polylactide. <i>Polymer Bulletin</i> , 2021 , 78, 3763-3783	2.4	3
4	Frontispiece: Mixed Allyl Rare-Earth Borohydride Complexes: Synthesis, Structure, and Application in (Co-)Polymerization Catalysis of Cyclic Esters. <i>Chemistry - A European Journal</i> , 2017 , 23,	4.8	1
3	Lactide Lactone Chain Shuttling Copolymerization Mediated by an Aminobisphenolate Supported Aluminum Complex and Al(OPr): Access to New Polylactide Based Block Copolymers. <i>Journal of the American Chemical Society</i> , 2021 ,	16.4	1
2	A one pot one step combined radical and ring-opening route for the dual functionalization of starch in aqueous medium. <i>Carbohydrate Polymers</i> , 2021 , 254, 117399	10.3	0
1	Alkenes and Allyl Complexes of the Group 3 Metals and Lanthanides 2021 ,		