

# Fanny Bonnet

## List of Publications by Year in descending order

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48  
papers

1,946  
citations

270111

25  
h-index

274796

44  
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49  
all docs

49  
docs citations

49  
times ranked

1303  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoplastic matrix-based composites produced by resin transfer molding: A review. <i>Polymer Composites</i> , 2022, 43, 2485-2506.	2.3	24
2	Comparative studies of thermal and mechanical properties of macrocyclic versus linear polylactide. <i>Polymer Bulletin</i> , 2021, 78, 3763-3783.	1.7	4
3	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.	5.1	3
4	Alkenes and Allyl Complexes of the Group 3 Metals and Lanthanides. , 2021, , .		0
5	Lactide Lactone Chain Shuttling Copolymerization Mediated by an Aminobisphenolate Supported Aluminum Complex and $Al(OiPr)_3$ : Access to New Polylactide Based Block Copolymers. <i>Journal of the American Chemical Society</i> , 2021, 143, 21206-21210.	6.6	14
6	Novel hybrid poly(l-lactic acid) from titanium oxo-cluster via reactive extrusion polymerization. <i>European Polymer Journal</i> , 2020, 122, 109238.	2.6	7
7	Rationalizing the Reactivity of Mixed Allyl Rare-Earth Borohydride Complexes with DFT Studies. <i>Catalysts</i> , 2020, 10, 820.	1.6	7
8	Preparation of Glass Fabric/Poly(l-lactide) Composites by Thermoplastic Resin Transfer Molding. <i>Polymers</i> , 2019, 11, 339.	2.0	11
9	Modification of starch by graft copolymerization. <i>Starch/Staerke</i> , 2018, 70, 1600351.	1.1	77
10	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.	1.7	25
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	14
12	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, .	1.7	1
13	Recent Advances in Rare Earth Complexes Bearing Allyl Ligands and Their Reactivity towards Conjugated Dienes and Styrene Polymerization. <i>Catalysts</i> , 2017, 7, 378.	1.6	25
14	$\eta^2$ -Diketiminato-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.	1.7	9
15	Isoprene polymerization mediated by vanadium-[ONNO] complexes. <i>Dalton Transactions</i> , 2016, 45, 12069-12077.	1.6	13
16	Mixed Allyl Borohydride Lanthanide Complexes: Synthesis of $Ln(BH_4)_2(C_3H_5)_3(THF)_3$ (Ln = Nd, Sm), Characterization, and Reactivity toward Polymerization. <i>Organometallics</i> , 2016, 35, 456-461.	1.1	27
17	Continuous cyclo-polymerisation of $\epsilon$ -lactide by reactive extrusion using atoxic metal-based catalysts: easy access to well-defined polylactide macrocycles. <i>RSC Advances</i> , 2015, 5, 31303-31310.	1.7	26
18	Bis(phenolate)amine-supported lanthanide borohydride complexes for styrene and trans-1,4-isoprene (co-)polymerisations. <i>Dalton Transactions</i> , 2015, 44, 12312-12325.	1.6	28

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19	Highly efficient cis-1,4 polymerisation of isoprene using simple homoleptic amido rare earth-based catalysts. <i>Polymer</i> , 2014, 55, 5013-5016.	1.8	26
20	Isoprene- $\sigma$ -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, 4638-4641.	7.2	67
21	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.	2.6	39
22	Tuning the catalytic properties of rare earth borohydrides for the polymerisation of isoprene. <i>Dalton Transactions</i> , 2013, 42, 790-801.	1.6	35
23	Uranium(IV) amido-borohydrides as highly active diene polymerisation catalysts. <i>Dalton Transactions</i> , 2013, 42, 9033.	1.6	25
24	Synthesis and structure of divalent thulium borohydrides, and their application in $\mu$ -caprolactone polymerisation. <i>Chemical Communications</i> , 2011, 47, 12203.	2.2	33
25	Mechanistic Insights of the Initiation Process of the Ring-Opening Polymerization of $\mu$ -Caprolactone by Divalent Sm(BH <sub>4</sub> ) <sub>2</sub> (THF) <sub>2</sub> with DFT: Concerted or Oxidative Reaction?. <i>Organometallics</i> , 2011, 30, 4482-4485.	1.1	15
26	Borohydride complexes of rare earths, and their applications in various organic transformations. <i>Coordination Chemistry Reviews</i> , 2011, 255, 374-420.	9.5	93
27	A Joint Experimental/Theoretical Investigation of the Statistical Olefin/Conjugated Diene Copolymerization Catalyzed by a Hemi-Lanthanidocene [(Cp*)(BH <sub>4</sub> )LnR]. <i>Chemistry - A European Journal</i> , 2010, 16, 11376-11385.	1.7	34
28	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	38
29	Ring-Opening Polymerization of <i>rac</i> -Lactide by Bis(phenolate)amine-Supported Samarium Borohydride Complexes: An Experimental and DFT Study. <i>Organometallics</i> , 2010, 29, 3602-3621.	1.1	151
30	A DFT study of conjugated dienes polymerisation catalyzed by [Cp*ScR] <sup>+</sup> : insights into the propensity for cis-1,4 insertion. <i>Chemical Communications</i> , 2010, 46, 2965.	2.2	17
31	Synthesis of samarium(II) borohydrides and their behaviour as initiators in styrene and $\mu$ -caprolactone polymerisation. <i>Dalton Transactions</i> , 2010, 39, 6761.	1.6	36
32	Functionalization of syndiotactic polystyrene. <i>Progress in Polymer Science</i> , 2009, 34, 369-392.	11.8	88
33	Unprecedented dual behaviour of a half-sandwich scandium-based initiator for both highly selective isoprene and styrene polymerisation. <i>Chemical Communications</i> , 2009, , 3380.	2.2	78
34	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.	1.8	15
35	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.	1.6	55
36	The first rare earth organometallic complex of 1,4,7-trithiacyclononane: a precursor to unique cationic ethylene and 1-olefin polymerisation catalysts supported by an all-sulfur donor ligand. <i>Chemical Communications</i> , 2005, , 3301.	2.2	58

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37	Lanthanide Borohydride Complexes Supported by Diaminobis(phenoxide) Ligands for the Polymerization of $\mu$ -Caprolactone and l- and rac-Lactide. <i>Inorganic Chemistry</i> , 2005, 44, 9046-9055.	1.9	215
38	Highlytrans-Stereospecific Isoprene Polymerization by Neodymium Borohydrido Catalysts. <i>Macromolecules</i> , 2005, 38, 3162-3169.	2.2	129
39	Stereospecific Polymerization of Isoprene with Nd(BH <sub>4</sub> ) <sub>3</sub> (THF) <sub>3</sub> /MgBu <sub>2</sub> as Catalyst. <i>Macromolecular Rapid Communications</i> , 2004, 25, 873-877.	2.0	63
40	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, 2428-2434.	1.7	69
41	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.	0.8	26
42	Organometallic Early Lanthanide Clusters: Syntheses and X-ray Structures of New Monocyclopentadienyl Complexes. <i>Inorganic Chemistry</i> , 2004, 43, 3682-3690.	1.9	64
43	Copolymerization of Isoprene with Nonconjugated $\hat{\pm}$ -Dienes Using a Single Component Samarocene Catalyst. <i>Macromolecules</i> , 2002, 35, 1143-1145.	2.2	33
44	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.	1.1	18
45	Diene/olefin/polar monomer copolymerisation: unprecedented functional polymers from a rare earth catalyst. <i>Polymer International</i> , 2002, 51, 986-993.	1.6	21
46	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.	0.8	35
47	Organolanthanides, catalysts for specific olefin-diene copolymerization: access to new materials. <i>Journal of Alloys and Compounds</i> , 2001, 323-324, 592-596.	2.8	14
48	New Viscoelastic Materials Obtained by Insertion of an $\hat{\pm}$ -Olefin in atrans-Polyisoprene Chain with a Single-Component Organolanthanide Catalyst. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 2485-2488.	1.1	28