Nicolas Illy

List of Publications by Year
in descending order

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29 papers	772 citations	567281 15 h-index	501196 28 g-index
31 all docs	31 docs citations	31 times ranked	824 citing authors

#	Article	IF	Citations
1	Activation in anionic polymerization: Why phosphazene bases are very exciting promoters. Progress in Polymer Science, 2011, 36, 1132-1151.	24.7	159
2	Phosphorylation of bio-based compounds: the state of the art. Polymer Chemistry, 2015, 6, 6257-6291.	3.9	125
3	Metal-Chelating Polymers by Anionic Ring-Opening Polymerization and Their Use in Quantitative Mass Cytometry. Biomacromolecules, 2012, 13, 2359-2369.	5.4	51
4	Regioselectively Functionalized Cellulose Derivatives: A Mini Review. Macromolecular Symposia, 2006, 244, 59-73.	0.7	49
5	Control of End Groups in Anionic Polymerizations Using Phosphazene Bases and Protic Precursors As Initiating System (XH-Bu^{<i>t</i>}P₄ Approach): Application to the Ring-Opening Polymerization of Cyclopropane-1,1-Dicarboxylates. Macromolecules, 2010, 43, 8782-8789.	4.8	34
6	Phosphazene-Promoted Metal-Free Ring-Opening Polymerization of 1,2-Epoxybutane Initiated by Secondary Amides. Macromolecules, 2015, 48, 7755-7764.	4.8	34
7	Metalâ€Free Activation in the Anionic Ringâ€Opening Polymerization of Cyclopropane Derivatives. Macromolecular Rapid Communications, 2009, 30, 1731-1735.	3.9	31
8	Synthesis of waterâ€soluble allylâ€functionalized oligochitosan and its modification by thiolâ€“ene addition in water. Journal of Polymer Science Part A, 2014, 52, 39-48.	2.3	29
9	The influence of formulation and processing parameters on the thermal properties of a chitosan-epoxy prepolymer system. Polymer International, 2014, 63, 420-426.	3.1	29
10	New prospects for the synthesis of N-alkyl phosphonate/phosphonic acid-bearing oligo-chitosan. RSC Advances, 2014, 4, 24042-24052.	3.6	27
11	A Chitosan Derivative Containing Both Carboxylic Acid and Quaternary Ammonium Moieties for the Synthesis of Cyclic Carbonates. ChemSusChem, 2016, 9, 2167-2173.	6.8	27
12	Thiol-ene â€œclickableâ€•carbon-chain polymers based on diallyl cyclopropane-1,1-dicarboxylate. Polymer, 2012, 53, 903-912.	3.8	25
13	Functional Poly(ester-<i>alt</i>-sulfide)s Synthesized by Organo-Catalyzed Anionic Ring-Opening Alternating Copolymerization of Oxiranes and Î³-Thiobutyrolactones. Macromolecules, 2020, 53, 5188-5198.	4.8	22
14	Phosphazene/triisobutylaluminum-promoted anionic ring-opening polymerization of 1,2-epoxybutane initiated by secondary carbamates. Polymer Chemistry, 2017, 8, 4005-4013.	3.9	18
15	Bio-based poly(ester-<i>alt</i>-thioether)s synthesized by organo-catalyzed ring-opening copolymerizations of eugenol-based epoxides and <i>N</i>-acetyl homocysteine thiolactone. Green Chemistry, 2021, 23, 7743-7750.	9.0	17
16	Polymerization of epoxide monomers promoted by <i>t</i>BuP₄ phosphazene base: a comparative study of kinetic behavior. Polymer Chemistry, 2020, 11, 3585-3592.	3.9	13
17	Synthesis and anionic ring-opening polymerization of crown-ether-like macrocyclic dilactones: An alternative route to PEG-containing polyesters and related networks. European Polymer Journal, 2013, 49, 4087-4097.	5.4	11
18	Anionic ringâ€opening polymerization of <i>N</i>â€glycidylphthalimide: Combination of phosphazene base and activated monomer mechanism. Journal of Polymer Science Part A, 2018, 56, 1091-1099.	2.3	11

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19	An alternative approach to create <i>N</i>-substituted cyclic dipeptides. Polymer Chemistry, 2019, 10, 776-785.	3.9	10
20	Alternating copolymerization of bio-based N-acetylhomocysteine thiolactone and epoxides. European Polymer Journal, 2021, 153, 110490.	5.4	9
21	Modification of prolineâ€based 2,5â€diketopiperazines by anionic ringâ€opening polymerization. Journal of Polymer Science Part A, 2019, 57, 1008-1016.	2.3	8
22	pHâ€Sensitive Poly(ethylene glycol)/Poly(ethoxyethyl glycidyl ether) Block Copolymers: Synthesis, Characterization, Encapsulation, and Delivery of a Hydrophobic Drug. Macromolecular Chemistry and Physics, 2019, 220, 1900210.	2.2	6
23	Episulfide Anionic Ring-Opening Polymerization Initiated by Alcohols and Primary Amines in the Presence of Î³-Thiolactones. Macromolecules, 2022, 55, 5430-5440.	4.8	6
24	Unexpected Interactions of an Alternating Poly(etherâ€ester) with Artificial and Biological Bilipidic Membranes. Macromolecular Symposia, 2010, 287, 60-68.	0.7	4
25	A polymeric membrane permeabilizer displaying densely packed arrays of crown ether lateral substituents. RSC Advances, 2012, 2, 8606-8609.	3.6	4
26	Preliminary investigations on a simple polyelectrolyte derived from (CH 2 CH 2 C(COOH) 2) n : Unexpected solubility-insolubility pattern controlled selectively by the nature of the alkali counterion. Polymer, 2017, 116, 515-522.	3.8	4
27	Î²â€Cyclodextrinâ€Based Star Amphiphilic Copolymers: Synthesis, Characterization, and Evaluation as Artificial Channels. Macromolecular Chemistry and Physics, 2019, 220, 1800308.	2.2	4
28	Synthesis and Solid-State Properties of PolyC₃ (Co)polymers Containing (CH₂â€“CH₂â€“C(COOR)₂) Repeat Units with Densely Packed Fluorocarbon Lateral Chains. Macromolecules, 2019, 52, 9199-9207.	4.8	3
29	Synthesis, characterization, and ion-complexing properties of polymers displaying densely packed arrays of crown-ethers as lateral substituents. Journal of Polymer Science Part A, 2014, 52, 2337-2345.	2.3	2