

# Jean Raynaud

## List of Publications by Year in descending order

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26  
papers

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citations

516710

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501196

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times ranked

1128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Harnessing Catalysis Selectivity and Isophorone Diisocyanate Asymmetry for Tailored Polyurethane Prepolymers and Networks. <i>Macromolecules</i> , 2022, 55, 3344-3352.	4.8	5
2	Energetic Nitrogen-Rich Polymers with a Tetrazene-Based Backbone. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1578-1582.	13.8	15
3	Energetic Nitrogen-Rich Polymers with a Tetrazene-Based Backbone. <i>Angewandte Chemie</i> , 2021, 133, 1602-1606.	2.0	3
4	Spectroscopic Signature and Structure of the Active Sites in Ziegler-Natta Polymerization Catalysts Revealed by Electron Paramagnetic Resonance. <i>Journal of the American Chemical Society</i> , 2021, 143, 9791-9797.	13.7	19
5	Ni and Co bis(acetylacetonato) complexes for alkene/vinylsilane silylation and silicone crosslinking. <i>Catalysis Science and Technology</i> , 2021, 11, 4849-4856.	4.1	1
6	Titanium-based phenoxy-imine catalyst for selective ethylene trimerization: effect of temperature on the activity, selectivity and properties of polymeric side products. <i>Catalysis Science and Technology</i> , 2020, 10, 1602-1608.	4.1	6
7	Ethylene free radical polymerization in supercritical ethylene/CO <sub>2</sub> mixture. <i>Polymer Chemistry</i> , 2020, 11, 1001-1009.	3.9	3
8	Identifying competitive tin- or metal-free catalyst combinations to tailor polyurethane prepolymer and network properties. <i>Polymer Chemistry</i> , 2020, 11, 5725-5734.	3.9	11
9	Tunable Hydrogen Release from Amine-Boranes via their Insertion into Functional Polystyrenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15239-15243.	13.8	3
10	Tunable Hydrogen Release from Amine-Boranes via their Insertion into Functional Polystyrenes. <i>Angewandte Chemie</i> , 2019, 131, 15383-15387.	2.0	0
11	Activity Enhancement of MgCl <sub>2</sub> -supported Ziegler-Natta Catalysts by Lewis-acid Pre-treatment for Ethylene Polymerization. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019, 37, 1031-1038.	3.8	9
12	High Glass-Transition Temperature Polymer Networks Harnessing the Dynamic Ring Opening of Pinacol Boronates. <i>Angewandte Chemie</i> , 2019, 131, 12344-12350.	2.0	1
13	High Glass-Transition Temperature Polymer Networks Harnessing the Dynamic Ring Opening of Pinacol Boronates. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12216-12222.	13.8	24
14	Mechanistic Insight Into High-Spin Iron(II)-Catalyzed Butadiene Dimerization. <i>Organometallics</i> , 2016, 35, 2923-2929.	2.3	25
15	Active and Recyclable Polyethylene-Supported Iridium(N-Heterocyclic Carbene) Catalyst for Hydrogen/Deuterium Exchange Reactions. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2317-2323.	4.3	10
16	Development of silica-supported frustrated Lewis pairs: highly active transition metal-free catalysts for the Z-selective reduction of alkynes. <i>Catalysis Science and Technology</i> , 2016, 6, 882-889.	4.1	39
17	Polyboramines for Hydrogen Release: Polymers Containing Lewis Pairs in their Backbone. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15744-15749.	13.8	38
18	Iron-Catalyzed Polymerization of Isoprene and Other 1,3-Dienes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11805-11808.	13.8	100

#	ARTICLE	IF	CITATIONS
19	Synthesis and structure of solution-stable one-dimensional palladium wires. <i>Nature Chemistry</i> , 2011, 3, 949-953.	13.6	115
20	No matter the order of monomer addition for the synthesis of well-defined block copolymers by sequential group transfer polymerization using N-heterocyclic carbenes as catalysts. <i>Polymer Chemistry</i> , 2011, 2, 1706.	3.9	61
21	<i>N</i> -Heterocyclic Carbene-Organocatalyzed Ring-Opening Polymerization of Ethylene Oxide in the Presence of Alcohols or Trimethylsilyl Nucleophiles as Chain Moderators for the Synthesis of $\hat{\pm}$ -Heterodifunctionalized Poly(ethylene oxide)s. <i>Macromolecules</i> , 2010, 43, 2814-2823.	4.8	79
22	Expanding the Scope of Group Transfer Polymerization Using <i>N</i> -Heterocyclic Carbenes as Catalysts: Application to Miscellaneous (Meth)acrylic Monomers and Kinetic Investigations. <i>Macromolecules</i> , 2010, 43, 8853-8861.	4.8	64
23	Metal-free and solvent-free access to $\hat{\pm}$ -heterodifunctionalized poly(propylene oxide)s by N-heterocyclic carbene-induced ring opening polymerization. <i>Chemical Communications</i> , 2010, 46, 3203.	4.1	97
24	<i>N</i> -Heterocyclic Carbene-Induced Zwitterionic Ring-Opening Polymerization of Ethylene Oxide and Direct Synthesis of $\hat{\pm}$ -Difunctionalized Poly(ethylene oxide)s and Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf,50 542 Td (oxide)s. <i>Macromolecules</i> , 2010, 43, 3201-3209.	13.7	164
25	Group Transfer Polymerization of (Meth)acrylic Monomers Catalyzed by <i>N</i> -Heterocyclic Carbenes and Synthesis of All Acrylic Block Copolymers: Evidence for an Associative Mechanism. <i>Macromolecules</i> , 2009, 42, 5996-6005.	4.8	108
26	Harnessing the Potential of <i>N</i> -Heterocyclic Carbenes for the Rejuvenation of Groupâ€Transfer Polymerization of (Meth)Acrylics. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5390-5393.	13.8	128