Giovanni Rojas

List of Publications by Citations

30 papers	673 citations	14 h-index	25 g-index
35 ext. papers	760 ext. citations	5 avg, IF	3.9 L-index

#	Paper	IF	Citations
30	Precision polyethylene: changes in morphology as a function of alkyl branch size. *Journal of the American Chemical Society*, **2009**, 131, 17376-86	16.4	116
29	Precision polyolefin structure: Modeling polyethylene containing alkyl branches. *Polymer*, **2008**, 49, 2985-2995	3.9	78
28	Acyclic diene metathesis polymerization: History, methods and applications. *Progress in Polymer Science*, **2017**, 69, 79-107	29.6	57
27	Effect of the Sequence Length Distribution on the Lamellar Crystal Thickness and Thickness Distribution of Polyethylene: Perfectly Equisequential ADMET Polyethylene vs Ethylene/α-Olefin Copolymer.. *Macromolecules*, **2011**, 44, 313-319	5.5	57
26	Precisely and Irregularly Sequenced Ethylene/1-Hexene Copolymers: A Synthesis and Thermal Study. *Macromolecules*, **2009**, 42, 1934-1947	5.5	54
25	Perfectly Controlled Lamella Thickness and Thickness Distribution: A Morphological Study on ADMET Polyolefins. *Macromolecular Symposia*, **2009**, 282, 50-64	0.8	41
24	Hierarchical Acrylic Acid Aggregate Morphologies Produce Strain-Hardening in Precise Polyethylene-Based Copolymers. *Macromolecules*, **2015**, 48, 3713-3724	5.5	38
23	A review of how to do an acyclic diene metathesis reaction. *Polymer International*, **2017**, 66, 7-12	3.3	30
22	Influence of Branch Incorporation into the Lamella Crystal on the Crystallization Behavior of Polyethylene with Precisely Spaced Branches. *Macromolecules*, **2013**, 46, 4438-4446	5.5	30
21	Avoiding olefin isomerization during decyanation of alkylcyano alpha,omega-dienes: a deuterium labeling and structural study of mechanism. *Journal of Organic Chemistry*, **2008**, 73, 4962-70	4.2	28
20	Precision Long-Chain Branched Polyethylene via Acyclic Diene Metathesis Polymerization. *ACS Macro Letters*, **2015**, 4, 1225-1228	6.6	24
19	Unusual Crystallization Behavior of Polyethylene Having Precisely Spaced Branches. *Macromolecules*, **2011**, 44, 4030-4034	5.5	23
18	Cross Nucleation in Polyethylene with Precisely Spaced Ethyl Branches. *ACS Macro Letters*, **2012**, 1, 772-776	6.6	22
17	Quantitative α-Alkylation of Primary Nitriles. *Synthetic Communications*, **2007**, 37, 3923-3931	1.7	20
16	Spatially resolved catalysis for controlling the morphology of polymer particles. *Angewandte Chemie - International Edition*, **2009**, 48, 6472-5	16.4	8
15	Microwave-assisted ADMET polymerization. *Tetrahedron Letters*, **2015**, 56, 3923-3927	2	7
14	ADMET polymers: synthesis, structure elucidation, and function. *Materials Chemistry Frontiers*, **2021**, 5, 14-43	7.8	7

List of Publications

13	Bulk Acyclic Diene Metathesis Polycondensation. *Macromolecular Chemistry and Physics*, **2019**, 220, 1900233	2.3	6
12	Hard versus Soft Materials as Supports for Metallocene and Post-Metallocene Catalysts. *Macromolecular Reaction Engineering*, **2009**, 3, 456-466	1.5	5
11	Long-chain branched random polyethylene via acyclic diene metathesis (ADMET) copolymerization. *Journal of Polymer Science Part A*, **2018**, 56, 1705-1710	2.5	4
10	Tunable polyesterification of xylitol: from linear to crosslinked structures. *Polymer International*, **2017**, 66, 532-539	3.3	3
9	Spatially Resolved Catalysis for Controlling the Morphology of Polymer Particles. *Angewandte Chemie*, **2009**, 121, 6594-6597	3.6	3
8	Precision Polyolefin Structure: Modeling Polyethylene Containing Methyl and Ethyl Branches. *NATO Science Series Series II, Mathematics, Physics and Chemistry*, **2007**, 305-324		3
7	Rapid microwave controlled polyesterification of aconitic acid and ethylene glycol. *Polymer International*, **2020**, 69, 577-583	3.3	2
6	A study of ADMET polyethylene with 21-carbon branches on every 15th compared to every 19th carbon: What a difference four extra backbone methylenes make. *Journal of Polymer Science Part A*, **2017**, 55, 3090-3096	2.5	2
5	Controlled Branching by Step-Growth Polymerization of Xylitol and Succinic Acid via Microwave Irradiation. *ACS Omega*, **2021**, 6, 13987-13994	3.9	2
4	Sugarcane Straw Recovery for Bioenergy Generation: A Case of an Organic Farm in Colombia. *ACS Omega*, **2020**, 5, 7950-7955	3.9	1
3	Voltammetric analysis of acyclovir at glassy carbon/oppy/templated electrode. *Journal of Physics: Conference Series*, **2018**, 1119, 012008	0.3	1
2	Sustainable sugarcane vinasse biorefinement for trans-aconitic acid-based biopolymer synthesis and bioenergy generation. *Bioresource Technology Reports*, **2021**, 15, 100786	4.1	0
1	Modeling Low Density Polyethylene with Precisely Placed Butyl Branches. *NATO Science Series Series II, Mathematics, Physics and Chemistry*, **2007**, 325-332		