

Giovanni Rojas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Controlled Branching by Step-Growth Polymerization of Xylitol and Succinic Acid via Microwave Irradiation. <i>ACS Omega</i> , 2021 , 6, 13987-13994	3.9	2
29	ADMET polymers: synthesis, structure elucidation, and function. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 14-43	7.8	7
28	Sustainable sugarcane vinasse biorefinement for trans-aconitic acid-based biopolymer synthesis and bioenergy generation. <i>Bioresource Technology Reports</i> , 2021 , 15, 100786	4.1	0
27	Rapid microwave controlled polyesterification of aconitic acid and ethylene glycol. <i>Polymer International</i> , 2020 , 69, 577-583	3.3	2
26	Sugarcane Straw Recovery for Bioenergy Generation: A Case of an Organic Farm in Colombia. <i>ACS Omega</i> , 2020 , 5, 7950-7955	3.9	1
25	Bulk Acyclic Diene Metathesis Polycondensation. <i>Macromolecular Chemistry and Physics</i> , 2019 , 220, 1900233	2.3	6
24	Voltammetric analysis of acyclovir at glassy carbon/ppy/templated electrode. <i>Journal of Physics: Conference Series</i> , 2018 , 1119, 012008	0.3	1
23	Long-chain branched random polyethylene via acyclic diene metathesis (ADMET) copolymerization. <i>Journal of Polymer Science Part A</i> , 2018 , 56, 1705-1710	2.5	4
22	A review of how to do an acyclic diene metathesis reaction. <i>Polymer International</i> , 2017 , 66, 7-12	3.3	30
21	Acyclic diene metathesis polymerization: History, methods and applications. <i>Progress in Polymer Science</i> , 2017 , 69, 79-107	29.6	57
20	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. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 3090-3096	2.5	2
19	Tunable polyesterification of xylitol: from linear to crosslinked structures. <i>Polymer International</i> , 2017 , 66, 532-539	3.3	3
18	Precision Long-Chain Branched Polyethylene via Acyclic Diene Metathesis Polymerization. <i>ACS Macro Letters</i> , 2015 , 4, 1225-1228	6.6	24
17	Microwave-assisted ADMET polymerization. <i>Tetrahedron Letters</i> , 2015 , 56, 3923-3927	2	7
16	Hierarchical Acrylic Acid Aggregate Morphologies Produce Strain-Hardening in Precise Polyethylene-Based Copolymers. <i>Macromolecules</i> , 2015 , 48, 3713-3724	5.5	38
15	Influence of Branch Incorporation into the Lamella Crystal on the Crystallization Behavior of Polyethylene with Precisely Spaced Branches. <i>Macromolecules</i> , 2013 , 46, 4438-4446	5.5	30
14	Cross Nucleation in Polyethylene with Precisely Spaced Ethyl Branches. <i>ACS Macro Letters</i> , 2012 , 1, 772-776	7.6	22

13	Unusual Crystallization Behavior of Polyethylene Having Precisely Spaced Branches. <i>Macromolecules</i> , 2011 , 44, 4030-4034	5.5	23
12	Effect of the Sequence Length Distribution on the Lamellar Crystal Thickness and Thickness Distribution of Polyethylene: Perfectly Equisequential ADMET Polyethylene vs Ethylene/E/Olefin Copolymer.. <i>Macromolecules</i> , 2011 , 44, 313-319	5.5	57
11	Spatially Resolved Catalysis for Controlling the Morphology of Polymer Particles. <i>Angewandte Chemie</i> , 2009 , 121, 6594-6597	3.6	3
10	Spatially resolved catalysis for controlling the morphology of polymer particles. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 6472-5	16.4	8
9	Hard versus Soft Materials as Supports for Metallocene and Post-Metallocene Catalysts. <i>Macromolecular Reaction Engineering</i> , 2009 , 3, 456-466	1.5	5
8	Precisely and Irregularly Sequenced Ethylene/1-Hexene Copolymers: A Synthesis and Thermal Study. <i>Macromolecules</i> , 2009 , 42, 1934-1947	5.5	54
7	Precision polyethylene: changes in morphology as a function of alkyl branch size. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17376-86	16.4	116
6	Perfectly Controlled Lamella Thickness and Thickness Distribution: A Morphological Study on ADMET Polyolefins. <i>Macromolecular Symposia</i> , 2009 , 282, 50-64	0.8	41
5	Avoiding olefin isomerization during decyanation of alkylcyano alpha,omega-dienes: a deuterium labeling and structural study of mechanism. <i>Journal of Organic Chemistry</i> , 2008 , 73, 4962-70	4.2	28
4	Precision polyolefin structure: Modeling polyethylene containing alkyl branches. <i>Polymer</i> , 2008 , 49, 2985-2995	5.2	78
3	Quantitative α -Alkylation of Primary Nitriles. <i>Synthetic Communications</i> , 2007 , 37, 3923-3931	1.7	20
2	Modeling Low Density Polyethylene with Precisely Placed Butyl Branches. <i>NATO Science Series Series II, Mathematics, Physics and Chemistry</i> , 2007 , 325-332		
1	Precision Polyolefin Structure: Modeling Polyethylene Containing Methyl and Ethyl Branches. <i>NATO Science Series Series II, Mathematics, Physics and Chemistry</i> , 2007 , 305-324		3