

Camille Boucher-Jacobs

List of Publications by Year in descending order

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43
papers

1,823
citations

331670

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302126

39
g-index

43
all docs

43
docs citations

43
times ranked

1643
citing authors

#	ARTICLE	IF	CITATIONS
1	Insertion Polymerization of Acrylate. <i>Journal of the American Chemical Society</i> , 2009, 131, 422-423.	13.7	261
2	Recent Trends in Catalytic Polymerizations. <i>ACS Catalysis</i> , 2019, 9, 11153-11188.	11.2	194
3	Tunable structural color of bottlebrush block copolymers through direct-write 3D printing from solution. <i>Science Advances</i> , 2020, 6, eaaz7202.	10.3	124
4	Synthesis of <i>p</i> -Xylene from Ethylene. <i>Journal of the American Chemical Society</i> , 2012, 134, 15708-15711.	13.7	117
5	Mechanistic Insights on Acrylate Insertion Polymerization. <i>Journal of the American Chemical Society</i> , 2010, 132, 4418-4426.	13.7	101
6	Kinetic Study of Living Ring-Opening Metathesis Polymerization with Third-Generation Grubbs Catalysts. <i>Journal of the American Chemical Society</i> , 2017, 139, 13644-13647.	13.7	84
7	General route to design polymer molecular weight distributions through flow chemistry. <i>Nature Communications</i> , 2020, 11, 3094.	12.8	83
8	Reactivity of Methacrylates in Insertion Polymerization. <i>Journal of the American Chemical Society</i> , 2010, 132, 16623-16630.	13.7	75
9	Macromolecules with programmable shape, size, and chemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1538-1542.	7.1	70
10	Dilute solution structure of bottlebrush polymers. <i>Soft Matter</i> , 2019, 15, 2928-2941.	2.7	68
11	Synthesis and Characterization of Carbazolide-Based Iridium PNP Pincer Complexes. Mechanistic and Computational Investigation of Alkene Hydrogenation: Evidence for an Ir(III)/Ir(V)/Ir(III) Catalytic Cycle. <i>Journal of the American Chemical Society</i> , 2014, 136, 6672-6683.	13.7	63
12	Control of molecular weight in Ni(ii)-catalyzed polymerization via the reaction medium. <i>Chemical Communications</i> , 2008, , 4965.	4.1	62
13	Encapsulation of catalyst in block copolymer micelles for the polymerization of ethylene in aqueous medium. <i>Nature Communications</i> , 2018, 9, 841.	12.8	52
14	Engineering of Molecular Geometry in Bottlebrush Polymers. <i>Macromolecules</i> , 2019, 52, 4847-4857.	4.8	50
15	Mechanistic and Kinetic Studies of the Ring Opening Metathesis Polymerization of Norbornenyl Monomers by a Grubbs Third Generation Catalyst. <i>Journal of the American Chemical Society</i> , 2019, 141, 17918-17925.	13.7	46
16	Silane as Chain Transfer Agent for the Polymerization of Ethylene Catalyzed by a Palladium(II) Diimine Catalyst. <i>ACS Catalysis</i> , 2017, 7, 5717-5720.	11.2	31
17	Catalytic Polymerization in Dense CO ₂ to Controlled Microstructure Polyethylenes. <i>Macromolecules</i> , 2009, 42, 8157-8164.	4.8	30
18	Ethylene polymerization in supercritical carbon dioxide with binuclear nickel(ii) catalysts. <i>Dalton Transactions</i> , 2009, , 8929.	3.3	29

#	ARTICLE	IF	CITATIONS
19	Materials Design of Highly Branched Bottlebrush Polymers at the Intersection of Modeling, Synthesis, Processing, and Characterization. <i>Chemistry of Materials</i> , 2022, 34, 1990-2024.	6.7	26
20	Catalytic synthesis of functionalized (polar and non-polar) polyolefin block copolymers. <i>Chemical Science</i> , 2018, 9, 4703-4707.	7.4	25
21	Water-Soluble Complexes [(η^2 -P,O-Phosphinesulfonato)PdMe(L)] and Their Catalytic Properties. <i>Organometallics</i> , 2009, 28, 4072-4078.	2.3	24
22	Tandem Catalysts for Polyethylene Upcycling: A Simple Kinetic Model. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3935-3942.	2.5	23
23	Challenges of Size-Exclusion Chromatography for the Analysis of Bottlebrush Polymers. <i>Macromolecules</i> , 2020, 53, 8610-8620.	4.8	23
24	Preparation and Characterization of Conjugated Polymers Made by Postpolymerization Reactions of Alternating Polyketones. <i>Journal of the American Chemical Society</i> , 2011, 133, 9658-9661.	13.7	20
25	Color, structure, and rheology of a diblock bottlebrush copolymer solution. <i>Soft Matter</i> , 2020, 16, 4919-4931.	2.7	19
26	Synthesis of telechelic polyolefins. <i>Polymer Chemistry</i> , 2021, 12, 5126-5138.	3.9	19
27	One-Pot Synthesis of Block Copolymers Containing a Polyolefin Block. <i>Macromolecules</i> , 2018, 51, 10167-10173.	4.8	16
28	Amphiphilic Triblock Copolymers Containing Polypropylene as the Middle Block. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22983-22988.	13.8	14
29	Polyethylene Containing Triblock Copolymers Synthesized by Post-polymerization Functionalization. <i>Macromolecules</i> , 2020, 53, 4338-4344.	4.8	12
30	Introduction of Highly Tunable End-Groups in Polyethylene via Chain-Transfer Polymerization using a Cobalt(III) Catalyst. <i>Organometallics</i> , 2019, 38, 788-796.	2.3	10
31	Ring-Opening Polymerization of Cyclic Esters in an Aqueous Dispersion. <i>Macromolecules</i> , 2020, 53, 7767-7773.	4.8	8
32	Implicit Side-Chain Model and Experimental Characterization of Bottlebrush Block Copolymer Solution Assembly. <i>Macromolecules</i> , 2021, 54, 3620-3633.	4.8	8
33	Concentration-Driven Self-Assembly of PS- <i>b</i> -PLA Bottlebrush Diblock Copolymers in Solution. <i>ACS Polymers Au</i> , 2022, 2, 232-244.	4.1	8
34	Combination of olefin insertion polymerization and olefin metathesis to extend the topology and composition of polyolefins. <i>Science China Chemistry</i> , 2020, 63, 755-757.	8.2	6
35	Photophysical properties of soluble light-harvesting polyhydrofurans from post-polymerization functionalization of polyketones. <i>European Polymer Journal</i> , 2021, 147, 110302.	5.4	5
36	Mechanistic investigations on a homogeneous ruthenium Guerbet catalyst in a flow reactor. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 711-718.	3.7	5

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37	Rapid, interface-driven domain orientation in bottlebrush diblock copolymer films during thermal annealing. <i>Soft Matter</i> , 2022, 18, 1666-1677.	2.7	5
38	<scp>PolyChemPrint</scp>: A hardware and software framework for benchtop additive manufacturing of functional polymeric materials. <i>Journal of Polymer Science</i> , 2021, 59, 2468-2478.	3.8	3
39	Solubility and activity of a phosphinosulfonate palladium catalyst in water with different surfactants. <i>Polymer Chemistry</i> , 2019, 10, 1988-1992.	3.9	2
40	Design rules for performing water-sensitive ring-opening polymerizations in an aqueous dispersion. <i>Polymer Chemistry</i> , 0, , .	3.9	2
41	Amphiphilic Triblock Copolymers Containing Polypropylene as the Middle Block. <i>Angewandte Chemie</i> , 2020, 132, 23183-23188.	2.0	0
42	Biphasic Seeded Emulsion Polymerization in a Tubular Flow Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 10389-10396.	3.7	0
43	Immobilization and Study of Homogeneous Catalysts in a Continuous Flow Reactor Using Inorganic Particles Coated with Polymer. <i>Catalysis Letters</i> , 0, , .	2.6	0