

Robson F Storey

List of Publications by Year in descending order

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1860
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#	ARTICLE	IF	CITATIONS
1	Kinetics and Mechanism of the Stannous Octoate-Catalyzed Bulk Polymerization of ϵ -Caprolactone. <i>Macromolecules</i> , 2002, 35, 1504-1512.	4.8	261
2	Real-Time Monitoring of Carbocationic Polymerization of Isobutylene Using in Situ FTIR-ATR Spectroscopy with Conduit and Diamond-Composite Sensor Technology. <i>Macromolecules</i> , 1998, 31, 1523-1526.	4.8	104
3	Tacky Elastomers to Enable Tear-Resistant and Autonomous Self-Healing Semiconductor Composites. <i>Advanced Functional Materials</i> , 2020, 30, 2000663.	14.9	85
4	Biodegradable aliphatic thermoplastic polyurethane based on poly(ϵ -caprolactone) and L-lysine diisocyanate. <i>Journal of Polymer Science Part A</i> , 2006, 44, 2990-3000.	2.3	84
5	Hydrolytic degradation of poly(D,L-lactide) as a function of end group: Carboxylic acid vs. hydroxyl. <i>Polymer</i> , 2006, 47, 1960-1969.	3.8	78
6	End-Quenching of Quasiliving Carbocationic Isobutylene Polymerization with Hindered Bases: Quantitative Formation of exo-Olefin-Terminated Polyisobutylene. <i>Macromolecules</i> , 2006, 39, 2481-2487.	4.8	73
7	Kinetic Investigation of the Living Cationic Polymerization of Isobutylene Using at-Bu-m-DCC/TiCl ₄ /2,4-DMP Initiating System. <i>Macromolecules</i> , 1997, 30, 4799-4806.	4.8	70
8	Morphology and physical properties of poly(styrene- <i>b</i> -isobutylene- <i>b</i> -styrene) block copolymers. <i>Polymer</i> , 1996, 37, 2925-2938.	3.8	65
9	Supramolecular Multiblock Polystyrene-Polyisobutylene Copolymers via Ionic Interactions. <i>Macromolecules</i> , 2014, 47, 4387-4396.	4.8	61
10	Real-Time Monitoring of Carbocationic Polymerization of Isobutylene via ATR-FTIR Spectroscopy: Thet-Bu-m-DCC/DMP/BCl ₃ System. <i>Macromolecules</i> , 2000, 33, 681-688.	4.8	57
11	Polyisobutylene RAFT CTA by a Click Chemistry Site Transformation Approach: Synthesis of Poly(isobutylene- <i>b</i> -N-isopropylacrylamide). <i>Macromolecules</i> , 2009, 42, 8044-8051.	4.8	57
12	End-Quenching of TiCl ₄ -Catalyzed Quasiliving Polyisobutylene with Alkoxybenzenes for Direct Chain End Functionalization. <i>Macromolecules</i> , 2010, 43, 8724-8740.	4.8	53
13	Mechanistic Role of Lewis Bases and Other Additives in Quasiliving Carbocationic Polymerization of Isobutylene. <i>Macromolecules</i> , 2001, 34, 5416-5432.	4.8	52
14	Poly(lactic Acid) and Chain-Extended Poly(lactic acid)-Polyurethane Functionalized with Pendent Carboxylic Acid Groups. <i>Macromolecules</i> , 2008, 41, 655-662.	4.8	52
15	Quasi-Living Cationic Polymerization of Styrene and Isobutylene: Measurement of Run Number and Calculation of Apparent Rate Constant of Ionization by TiCl ₄ . <i>Macromolecules</i> , 2003, 36, 5065-5071.	4.8	48
16	Site Transformation of Polyisobutylene Chain Ends into Functional RAFT Agents for Block Copolymer Synthesis. <i>Macromolecules</i> , 2009, 42, 2353-2359.	4.8	46
17	Quantitative Synthesis of exo-Olefin-Terminated Polyisobutylene: Ether Quenching and Evaluation of Various Quenching Methods. <i>Macromolecules</i> , 2013, 46, 2049-2059.	4.8	46
18	Synthesis of exo-Olefin Terminated Polyisobutylene by Sulfide/Base Quenching of Living Polyisobutylene. <i>Macromolecules</i> , 2011, 44, 7901-7910.	4.8	44

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19	N-Methylpyrrole-Terminated Polyisobutylene through End-Quenching of Quasiliving Carbocationic Polymerization. <i>Macromolecules</i> , 2005, 38, 4618-4624.	4.8	41
20	Initiation Effects in the Living Cationic Polymerization of Isobutylene. <i>Macromolecules</i> , 1999, 32, 7003-7011.	4.8	38
21	Synthesis and characterization of linear and three-arm star radial poly(styrene- <i>b</i> -isobutylene- <i>b</i> -styrene) block copolymers using blocked dicumyl chloride or tricumyl chloride/TiCl ₄ /pyridine initiating system. <i>Polymer</i> , 1993, 34, 4330-4335.	3.8	36
22	End-Quenching of Quasi-Living Isobutylene Polymerizations with Alkoxybenzene Compounds. <i>Macromolecules</i> , 2009, 42, 6844-6847.	4.8	36
23	Carbocation Rearrangement in Controlled/Living Isobutylene Polymerization. <i>Macromolecules</i> , 1998, 31, 1058-1063.	4.8	35
24	Synthesis and characterization of A ² B triblock copolymers derived from chloro-telechelic poly(l-lactide): combining ring-opening polymerization (ROP) and atom transfer radical polymerization (ATRP). <i>Polymer</i> , 2005, 46, 3628-3638.	3.8	35
25	Poly(styrene- <i>b</i> -isobutylene- <i>b</i> -styrene) block copolymer ionomers (BCPI), and BCPI/silicate nanocomposites. 1. Organic counterion: BCPI sol-gel reaction template. <i>Polymer</i> , 2002, 43, 4315-4323.	3.8	33
26	New polyisobutylene-based model ionomers. <i>Polymer Bulletin</i> , 1983, 9-9, 174-180.	3.3	32
27	SYNTHESIS OF NOVEL HYDROPHILIC POLY(ESTER-CARBONATES) CONTAINING PENDENT CARBOXYLIC ACID GROUPS. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2001, 38, 897-917.	2.2	32
28	TiCl ₄ Reaction Order in Living Isobutylene Polymerization at Low [TiCl ₄]:[Chain End] Ratios. <i>Macromolecules</i> , 2000, 33, 53-59.	4.8	31
29	Synthesis and characterization of polyisobutylene- <i>b</i> -polyamide multi-block copolymer thermoplastic elastomers. <i>Polymer</i> , 2013, 54, 3796-3805.	3.8	31
30	Sulfonium Ion Adducts from Quasiliving Polyisobutylene and Mono- or Disulfides. <i>Macromolecules</i> , 2009, 42, 2344-2352.	4.8	29
31	Primary Hydroxy-Terminated Polyisobutylene via End-Quenching with a Protected N-(1-Hydroxyalkyl)pyrrole. <i>Macromolecules</i> , 2010, 43, 1329-1340.	4.8	29
32	Kinetics and Mechanism of End-Quenching of Quasiliving Polyisobutylene with Sterically Hindered Bases. <i>Macromolecules</i> , 2011, 44, 2438-2443.	4.8	29
33	Real-time monitoring of the ring-opening polymerization of <i>rac</i> -lactide within situ attenuated total reflectance/Fourier transform infrared spectroscopy with conduit and diamond-composite sensor technology. <i>Journal of Polymer Science Part A</i> , 2004, 42, 6238-6247.	2.3	28
34	Poly(styrene- <i>b</i> -isobutylene- <i>b</i> -styrene) block copolymers produced by living cationic polymerization. Part III. Dynamic mechanical and tensile properties of block copolymers and ionomers therefrom. <i>Polymer</i> , 2001, 42, 2321-2330.	3.8	27
35	Primary Halide-Terminated Polyisobutylene: End-Quenching of Quasiliving Carbocationic Polymerization with N-(1-Haloalkyl)pyrrole. <i>Macromolecules</i> , 2009, 42, 4963-4971.	4.8	27
36	Living Carbocationic Polymerization of Isobutylene Using Blocked Dicumyl Chloride or Tricumyl Chloride/TiCl ₄ /Pyridine Initiating System. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1992, 29, 1017-1030.	2.2	26

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37	Poly(<i>tert</i> -butyl acrylate- <i>b</i> -isobutylene- <i>b</i> -styrene) terpolymer from a carbocationic initiator containing a latent radical initiating site. <i>Polymer</i> , 2006, 47, 1852-1860.	3.8	26
38	Polyisobutylene-based miktoarm star polymers via a combination of carbocationic and atom transfer radical polymerizations. <i>Polymer</i> , 2008, 49, 1154-1163.	3.8	26
39	Structural Confirmation of <i>Exo</i> -olefin-Coupled Polyisobutylene via Model Compound Synthesis and Characterization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 137-143.	2.2	25
40	Synthesis of Polyisobutylene-Based Miktoarm Star Polymers from a Dicationic Monoradical Dual Initiator. <i>Macromolecules</i> , 2012, 45, 5347-5357.	4.8	25
41	Sulfonation of <i>tert</i> -alkyl chlorides: Application to the <i>tert</i> -chloride-terminated polyisobutylene system. <i>Journal of Polymer Science Part A</i> , 1991, 29, 317-325.	2.3	23
42	Thiol-terminated polyisobutylene: Synthesis, characterization, and derivatization. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5505-5513.	2.3	23
43	Poly(arylene ether sulfone) Statistical Copolymers Bearing Perfluoroalkylsulfonic Acid Moieties. <i>Macromolecules</i> , 2011, 44, 694-702.	4.8	23
44	New Dual Initiators To Combine Quasiliving Carbocationic Polymerization and Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2010, 43, 7048-7055.	4.8	22
45	Development of a triazole-cure resin system for composites: Evaluation of alkyne curatives. <i>Polymer</i> , 2012, 53, 2548-2558.	3.8	22
46	Seawater degradable thermoplastic polyurethanes. <i>Journal of Applied Polymer Science</i> , 2010, 115, 1873-1880.	2.6	21
47	In Situ Quenching Methods Toward <i>exo</i> -olefin-terminated Polyisobutylene. <i>Macromolecular Symposia</i> , 2013, 323, 6-17.	0.7	20
48	Direct Chain End Functionalization of Living Polyisobutylene Using Phenoxyalkyl (Meth)acrylates. <i>ACS Macro Letters</i> , 2014, 3, 1230-1234.	4.8	20
49	Synthesis of Polyisobutylene Bottlebrush Polymers via Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , 2017, 50, 7458-7467.	4.8	18
50	Polymerization kinetics of <i>rac</i> -lactide initiated with alcohol/stannous octoate using in situ attenuated total reflectance-fourier transform infrared spectroscopy: An initiator study. <i>Journal of Polymer Science Part A</i> , 2009, 47, 797-803.	2.3	17
51	Synthesis, Characterization, and Photopolymerization of Polyisobutylene Phenol (Meth)acrylate Macromers. <i>Macromolecules</i> , 2016, 49, 6173-6185.	4.8	17
52	Forcing single-chain nanoparticle collapse through hydrophobic solvent interactions in comb copolymers. <i>Polymer Chemistry</i> , 2020, 11, 292-297.	3.9	16
53	Investigation of the structure and properties of polyisobutylene-based telechelic ionomers of narrow molecular weight distribution. II. mechanical. <i>Journal of Applied Polymer Science</i> , 1997, 63, 507-519.	2.6	13
54	Synthesis of comb-like dispersants and a study on the effect of dispersant architecture and carbon black dispersion. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1682-1696.	2.3	12

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55	End-quenching of <i>tert</i> -chloride-terminated polyisobutylene with alkoxybenzenes: comparison of AlCl ₃ and TiCl ₄ catalysts. <i>Polymer Chemistry</i> , 2015, 6, 3764-3774.	3.9	11
56	Synthesis and characterization of multiblock copolymers composed of poly(5-methyl-5-benzyloxycarbonyl-1,3-dioxan-2-one) outer blocks and poly(L-lactide) inner blocks. <i>Journal of Polymer Science Part A</i> , 2006, 44, 6817-6835.	2.3	10
57	Reaction kinetics of dicyclohexylmethane-4,4'-diisocyanate with 1- and 2-butanol: A model study for polyurethane formation. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3101-3107.	2.6	10
58	Poly(acrylate- <i>b</i> -styrene- <i>b</i> -isobutylene- <i>b</i> -styrene- <i>b</i> -acrylate) Block Copolymers via Carbocationic and Atom Transfer Radical Polymerizations. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 1493-1512.	2.2	9
59	Effect of Structure on Cationic Initiation Efficiency of a Carbocationic/ATRP Dual Initiator. <i>Macromolecules</i> , 2012, 45, 1217-1221.	4.8	9
60	Functional polyisobutylenes via electrophilic cleavage/alkylation. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1991-1997.	2.3	9
61	Chain-End Functionalization of Living Polyisobutylene via an End-Quenching Comonomer That Terminates by Indanyl Ring Formation. <i>Macromolecules</i> , 2018, 51, 6552-6560.	4.8	9
62	Broadband dielectric spectroscopic characterization of the hydrolytic degradation of carboxylic acid-terminated poly(D,L-lactide) materials. <i>Polymer</i> , 2007, 48, 2022-2029.	3.8	8
63	Synthesis and characterization of polyisobutylene telechelic prepolymers with epoxide functionality. <i>Reactive and Functional Polymers</i> , 2020, 150, 104563.	4.1	8
64	Tetrafunctional initiators for cationic polymerization of olefins. <i>Journal of Polymer Science Part A</i> , 2004, 42, 5942-5953.	2.3	7
65	Synthesis and characterization of carboxylic acid-terminated polyisobutylenes. <i>Journal of Polymer Science Part A</i> , 2008, 46, 3229-3240.	2.3	7
66	Functional polyisobutylenes via a click chemistry approach. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2533-2545.	2.3	7
67	Functionalization of polyisobutylene and polyisobutylene oligomers via the ritter reaction. <i>Journal of Polymer Science Part A</i> , 2018, 56, 840-852.	2.3	7
68	Decoupling and Functionalization of Coupled Polyisobutylene via Alkoxybenzene Quenching. <i>Macromolecules</i> , 2016, 49, 7642-7652.	4.8	5
69	Synthesis and thiol-ene photopolymerization of (meth)allyl-terminated polysulfides. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45523.	2.6	5
70	Carbocationic Copolymerization of Isobutylene and 2,4-Dimethyl-1,3-Pentadiene. <i>Macromolecules</i> , 2018, 51, 6430-6439.	4.8	5
71	Polyurethane polymers cured via azide-alkyne cycloaddition. <i>Progress in Organic Coatings</i> , 2021, 151, 106047.	3.9	5
72	Poly(arylene ether sulfone) multi-block copolymers bearing perfluoroalkylsulfonic acid groups. <i>Polymer</i> , 2011, 52, 3550-3559.	3.8	4

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73	Synthesis, characterization, and evaluation of polyisobutylene-based imidoamine-type dispersants containing exclusively non-nucleophilic nitrogen. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1657-1675.	2.3	4
74	Polyisobutylene containing covalently bound antioxidant moieties. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1836-1846.	2.3	4
75	Polyurethane coatings cured via azide-alkyne cycloaddition using reduced-viscosity poly(alkynyl) Tj ETQq1 1 0.784314 rgBT /Overlock	3.9	4
76	Investigation of the structure and properties of polyisobutylene-based telechelic ionomers of narrow molecular weight distribution. I.. <i>Journal of Applied Polymer Science</i> , 1997, 63, 497-506.	2.6	3
77	Micellization and Adsorption to Carbon Black of Polyisobutylene-Based Ionic Liquids. <i>Journal of Polymer Science</i> , 2020, 58, 280-299.	3.8	3
78	Long-Chain Branched Polypentenamer Rubber: Topological Impact on Tensile Properties, Chain Dynamics, and Strain-Induced Crystallization. <i>ACS Applied Polymer Materials</i> , 2021, 3, 2498-2506.	4.4	3
79	NMR and mass spectral analysis of step-growth polymers from azide alkyne cycloaddition and regioselectivity afforded by copper(I) and ruthenium(II) catalysts. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 413-423.	2.2	2
80	Synthesis, characterization, and photopolymerization of (meth)acrylate-functional polyisobutylene macromers produced by cleavage/alkylation of butyl rubber. <i>Journal of Polymer Science</i> , 2020, 58, 2807-2822.	3.8	2
81	Aromatic-Aliphatic Block Copolyesters Based on AA/BB Polymers and Poly(lactic acid). <i>ACS Symposium Series</i> , 2006, , 234-247.	0.5	1
82	Synthesis and Morphology of High Molecular Weight Polyisobutylene-Polystyrene Block Copolymers Containing Dynamic Covalent Bonds. <i>Macromolecular Rapid Communications</i> , 0, , 2200487.	3.9	1
83	Characterization of Poly(ethyleneoxyethylene terephthalate-co-adipate) using NMR Spectroscopy. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 367-372.	2.2	0
84	New polyisobutylene-based polymers by Friedel-Crafts alkylation. , 2021, , 69-84.		0