

Judit E Puskas

List of Publications by Year in descending order

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51
papers

775
citations

623734

14
h-index

552781

26
g-index

53
all docs

53
docs citations

53
times ranked

854
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyisobutylene-based biomaterials. <i>Journal of Polymer Science Part A</i> , 2004, 42, 3091-3109.	2.3	107
2	Green Polymer Chemistry: Enzyme Catalysis for Polymer Functionalization. <i>Molecules</i> , 2015, 20, 9358-9379.	3.8	58
3	Green Polymer Chemistry: Living Dithiol Polymerization via Cyclic Intermediates. <i>Biomacromolecules</i> , 2012, 13, 154-164.	5.4	54
4	Folic acid conjugated polymeric drug delivery vehicle for targeted cancer detection in hepatocellular carcinoma. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2522-2535.	4.0	49
5	Bio-inspired cationic polymerization of isoprene and analogues: state-of-the-art. <i>Polymer International</i> , 2012, 61, 149-156.	3.1	38
6	Breast implants: the good, the bad and the ugly. Can nanotechnology improve implants?. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2012, 4, 153-168.	6.1	38
7	Enzymatic Degradation of Poly(butylene succinate) Copolyesters Synthesized with the Use of <i>Candida antarctica</i> Lipase B. <i>Polymers</i> , 2018, 10, 688.	4.5	30
8	Biocopolyesters of Poly(butylene succinate) Containing Long-Chain Biobased Glycol Synthesized with Heterogeneous Titanium Dioxide Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10623-10632.	6.7	23
9	Architected helically coiled scaffolds from elastomeric poly(butylene succinate) (PBS) copolyester via wet electrospinning. <i>Materials Science and Engineering C</i> , 2020, 108, 110505.	7.3	23
10	Comparison of the molecular weight and size measurement of polyisobutylenes by size exclusion chromatography/multi-angle laser light scattering and viscometry. <i>Journal of Polymer Science Part A</i> , 2006, 44, 1777-1783.	2.3	21
11	Controlled/living carbocationic copolymerization of isobutylene with alloocimene. <i>Journal of Polymer Science Part A</i> , 2013, 51, 29-33.	2.3	20
12	Synthesis and characterization of thermoplastic elastomers with polyisobutylene and polyalloocimene blocks. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1567-1574.	2.3	19
13	Molecular Weight Dependence of the Viscosity of Highly Entangled Polyisobutylene. <i>Macromolecules</i> , 2019, 52, 5177-5182.	4.8	18
14	Synthesis of functionalized polyisobutylenes using the propylene epoxide/TiCl ₄ initiating system. <i>Polymer Chemistry</i> , 2014, 5, 4710.	3.9	17
15	Green polymer chemistry: Living oxidative polymerization of dithiols. <i>Pure and Applied Chemistry</i> , 2012, 84, 2121-2133.	1.9	14
16	Green Polymer Chemistry: Investigating the Mechanism of Radical Ring-Opening Redox Polymerization (R3P) of 3,6-Dioxa-1,8-octanedithiol (DODT). <i>Molecules</i> , 2015, 20, 6504-6519.	3.8	14
17	Kinetic studies of biocatalyzed copolyesters of poly(butylene succinate) (PBS) containing fully bio-based dilinoleic diol. <i>European Polymer Journal</i> , 2019, 116, 515-525.	5.4	14
18	Plasma treatment as an effective tool for crosslinking of electrospun fibers. <i>Journal of Molecular Liquids</i> , 2020, 303, 112628.	4.9	14

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19	Analysis of branched polymers by high resolution multidetector size exclusion chromatography: Separation of the effects of branching and molecular weight distribution. <i>Journal of Polymer Science Part A</i> , 2012, 50, 70-79.	2.3	13
20	Synthesis of Biodegradable Polyisobutylene Disulfides by Living Reversible Recombination Radical Polymerization (R3P): Macrocycles?. <i>Macromolecules</i> , 2017, 50, 2615-2624.	4.8	12
21	Green Polymer Chemistry VIII: Synthesis of Haloester-Functionalized Poly(ethylene glycol)s via Enzymatic Catalysis. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1375-1380.	3.9	11
22	Cationation of dimethylallyl alcohols by B(C ₆ F ₅) ₃ as models of the (Re)initiation reaction in the bio-inspired cationic polymerization of isoprene. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4948-4954.	2.3	10
23	The role of electron pair donors in the carbocationic copolymerization of isobutylene with alloocimene. <i>Journal of Polymer Science Part A</i> , 2013, 51, 4717-4721.	2.3	10
24	Biocompatibility evaluation of a thermoplastic rubber for wireless telemetric intracranial pressure sensor coating. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 45, 83-89.	3.1	10
25	Liquid chromatography at critical conditions (LCCC): Capabilities and limitations for polymer analysis. <i>Journal of Molecular Liquids</i> , 2021, 322, 114956.	4.9	10
26	Predicting Average Molecular Weights and Branching Level for Self-Condensing Vinyl Copolymerization in a CSTR. <i>Macromolecular Reaction Engineering</i> , 2018, 12, 1700074.	1.5	9
27	Method for the Synthesis of ¹³ C-PEGylated Folic Acid and Its Fluorescein-Labeled Derivative. <i>Macromolecules</i> , 2018, 51, 9069-9077.	4.8	9
28	Parallel models for arborescent polyisobutylene synthesized in batch reactor. <i>AIChE Journal</i> , 2015, 61, 253-265.	3.6	8
29	Synthesis of Mono- and Dithiols of Tetraethylene Glycol and Poly(ethylene glycol)s via Enzyme Catalysis. <i>Catalysts</i> , 2019, 9, 228.	3.5	8
30	RUBBER CITY GIRL: THE PATH TO THE GOODYEAR MEDAL. <i>Rubber Chemistry and Technology</i> , 2018, 91, 1-26.	1.2	7
31	Screening of Polymer-Based Drug Delivery Vehicles Targeting Folate Receptors in Triple-Negative Breast Cancer. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 1866-1873.e2.	0.5	7
32	Enzyme-catalyzed quantitative chain-end functionalization of poly(ethylene glycol)s under solventless conditions. <i>RSC Advances</i> , 2014, 4, 1683-1688.	3.6	6
33	Investigation of the Cytotoxicity of Electrospun Polysuccinimide-Based Fiber Mats. <i>Polymers</i> , 2020, 12, 2324.	4.5	6
34	Lean on Your Land Grant: One University's Approach to Address the Food Supply Chain Workforce during the COVID-19 Pandemic. <i>Journal of Agromedicine</i> , 2020, 25, 417-422.	1.5	6
35	Stimuli-responsive antifouling polyisobutylene-based biomaterials via modular surface functionalization. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1742-1749.	2.3	5
36	Reaction engineering with enzymes: A relatively uncharted territory. <i>AIChE Journal</i> , 2017, 63, 266-272.	3.6	5

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37	The Effect of Reaction Conditions on the Synthesis of Thermoplastic Elastomers Containing Polyalloocimene, Polyisobutylene and Tapered Blocks. Chinese Journal of Polymer Science (English) Tj ETQq1 1 0.784814 rgB5 /Overlo	3.8	5
38	Polyisobutyleneâ€”New Opportunities for Medical Applications. Molecules, 2021, 26, 5207.	3.8	5
39	PolyDODT: a macrocyclic elastomer with unusual properties. Polymer Chemistry, 2022, 13, 668-676.	3.9	5
40	UNRAVELING THE MYSTERY OF NATURAL RUBBER BIOSYNTHESIS. PART II: COMPOSITION AND GROWTH OF IN VITRO NATURAL RUBBER USING HIGH-RESOLUTION SIZE EXCLUSION CHROMATOGRAPHY. Rubber Chemistry and Technology, 2014, 87, 451-458.	1.2	4
41	NATURAL RUBBER BIOSYNTHESIS: STILL A MYSTERY. Rubber Chemistry and Technology, 2018, 91, 683-700.	1.2	4
42	Electrospun fiber mats from poly(alloocimene- <i>b</i> -isobutylene- <i>b</i> -alloocimene) thermoplastic elastomer. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 263-267.	3.4	4
43	Toward the effective synthesis of bivalent Folate-targeted PEGylated cancer diagnostic and therapeutic agents using chemo-enzymatic processes. Journal of Molecular Liquids, 2020, 310, 113218.	4.9	4
44	Folate-Targeted Monodisperse PEG-Based Conjugates Made by Chemo-Enzymatic Methods for Cancer Diagnosis and Treatment. International Journal of Molecular Sciences, 2021, 22, 10347.	4.1	4
45	MECHANICAL PERFORMANCE OF NOVEL POLYISOBUTYLENE-BASED ELASTOMERIC POLYURETHANES BEFORE AND AFTER HYDROLYSIS. Rubber Chemistry and Technology, 2019, 92, 481-495.	1.2	3
46	Visualization of arborescent architecture of polystyrenes prepared by raftâ€”based initiatorâ€”monomer polymerization using atomic force microscopy. Journal of Polymer Science Part A, 2012, 50, 1238-1247.	2.3	2
47	Green Polymer Chemistry: Enzyme-Catalyzed Polymer Functionalization. ACS Symposium Series, 2015, , 17-25.	0.5	2
48	Multifunctional PEG Carrier by Chemoenzymatic Synthesis for Drug Delivery Systems: In Memory of Professor Andrzej Dworak. Polymers, 2022, 14, 2900.	4.5	2
49	Polyisobutylene for the rescue: advanced elastomers for healthcare. , 2021, , 237-253.		1
50	PEGylation of Fluorescein by Enzymeâ€”Catalyzed â€œClickâ€”Michael Addition. Macromolecular Rapid Communications, 2020, 41, 2000163.	3.9	0
51	Synthesis and Characterization of Plasma Crosslinked Electrospun Fiber Mats from Allyl-Functionalized Polysuccinimide. ACS Symposium Series, 2020, , 119-131.	0.5	0