

# Alexey Iordanskii

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Gas Transport Phenomena and Polymer Dynamics in PHB/PLA Blend Films as Potential Packaging Materials. <i>Polymers</i> , 2020, 12, 647.	4.5	35
2	Comparative Structure-Property Characterization of Poly(3-Hydroxybutyrate-Co-3-Hydroxyvalerate)s Films under Hydrolytic and Enzymatic Degradation: Finding a Transition Point in 3-Hydroxyvalerate Content. <i>Polymers</i> , 2020, 12, 728.	4.5	28
3	Gas transport and characterization of poly(3 hydroxybutyrate) films. <i>European Polymer Journal</i> , 2017, 91, 149-161.	5.4	25
4	Structure-morphology impact upon segmental dynamics and diffusion in the biodegradable ultrafine fibers of polyhydroxybutyrate-poly lactide blends. <i>European Polymer Journal</i> , 2019, 117, 208-216.	5.4	22
5	Biodegradable Polylactide-Poly(3-Hydroxybutyrate) Compositions Obtained via Blending under Shear Deformations and Electrospinning: Characterization and Environmental Application. <i>Polymers</i> , 2020, 12, 1088.	4.5	18
6	Performance of Poly(lactic acid) Surface Modified Films for Food Packaging Application. <i>Materials</i> , 2017, 10, 850.	2.9	15
7	Structural Features and Properties Characterization of Polylactic Acid/Natural Rubber Blends with Epoxidized Soybean Oil. <i>Polymers</i> , 2021, 13, 1101.	4.5	13
8	Modification via preparation for poly(3-hydroxybutyrate) films: Water-transport phenomena and sorption. <i>Journal of Applied Polymer Science</i> , 2000, 76, 475-480.	2.6	11
9	Comparative Characterization of Melt Electrospun Fibers and Films Based on PLA-PHB Blends: Diffusion, Drug Release, and Structural Features. <i>Macromolecular Symposia</i> , 2018, 381, 1800130.	0.7	9
10	Bio-Based and Biodegradable Plastics: From Passive Barrier to Active Packaging Behavior. <i>Polymers</i> , 2020, 12, 1537.	4.5	9
11	The Investigation of the Structure and Properties of Ozone-Sterilized Nonwoven Biopolymer Materials for Medical Applications. <i>Polymers</i> , 2021, 13, 1268.	4.5	9
12	Degradation of Poly(3-hydroxybutyrate) and its Derivatives: Characterization and Kinetic Behavior. <i>Chemistry and Chemical Technology</i> , 2012, 6, 385-392.	1.1	8
13	Morphology of poly(3-hydroxybutyrate)-polyvinyl alcohol extrusion films. <i>Journal of Polymer Engineering</i> , 2015, 35, 765-771.	1.4	7
14	Composite tendon implant based on nanofibrillar polyhydroxybutyrate and polyamide filaments. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 2708-2713.	4.0	7
15	Aggressive Impacts Affecting the Biodegradable Ultrathin Fibers Based on Poly(3-Hydroxybutyrate), Polylactide and Their Blends: Water Sorption, Hydrolysis and Ozonolysis. <i>Polymers</i> , 2021, 13, 941.	4.5	7
16	Polyhydroxyalkanoates Composites and Blends: Improved Properties and New Applications. <i>Journal of Composites Science</i> , 2022, 6, 206.	3.0	7
17	Characterization and Evaluation of Controlled Antimicrobial Release from Petrochemical (PU) and Biodegradable (PHB) Packaging. <i>Polymers</i> , 2018, 10, 817.	4.5	6
18	Thermal characterization and sorption of FeIII ion by ternary polylactide-poly-3-hydroxybutyrate-chitosan compositions. <i>Mendeleev Communications</i> , 2021, 31, 104-106.	1.6	5

#	ARTICLE	IF	CITATIONS
19	Effect of Glycerol-(9,10-trioxolane)-triacetate on the Physicochemical Properties of Non-Woven Polylactic Acid Fiber Materials. <i>Polymers</i> , 2021, 13, 2517.	4.5	4
20	Thermo-Oxidative Destruction and Biodegradation of Nanomaterials from Composites of Poly(3-hydroxybutyrate) and Chitosan. <i>Polymers</i> , 2021, 13, 3528.	4.5	4
21	Evaluation and Characterization of Ultrathin Poly(3-hydroxybutyrate) Fibers Loaded with Tetraphenylporphyrin and Its Complexes with Fe(III) and Sn(IV). <i>Polymers</i> , 2022, 14, 610.	4.5	4
22	Comparative Dynamic Characteristics of Electrospun Ultrathin Fibers and Films Based on Poly(3-hydroxybutyrate). <i>Chemistry and Chemical Technology</i> , 2016, 10, 151-158.	1.1	3
23	Cryo-Structuring of Polymeric Systems. Poly(Vinyl Alcohol)-Based Cryogels Loaded with the Poly(3-hydroxybutyrate) Microbeads and the Evaluation of Such Composites as the Delivery Vehicles for Simvastatin. <i>Polymers</i> , 2022, 14, 2196.	4.5	3
24	Water transport, FTIR, and morphology characterizations of novel biodegradable blends based on poly(3-hydroxybutyrate). <i>Journal of Polymer Engineering</i> , 2011, 31, .	1.4	2