

Balazs Imre

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ring-opening polymerization of ϵ -caprolactone from cellulose acetate by reactive processing. <i>Cellulose</i> , 2021, 28, 9103-9116.	2.4	5
2	Physical ageing of Poly(Lactic acid): Factors and consequences for practice. <i>Polymer</i> , 2020, 186, 122014.	1.8	32
3	Organocatalytic esterification of corn starches towards enhanced thermal stability and moisture resistance. <i>Green Chemistry</i> , 2020, 22, 5017-5031.	4.6	29
4	Reactive compatibilization of plant polysaccharides and biobased polymers: Review on current strategies, expectations and reality. <i>Carbohydrate Polymers</i> , 2019, 209, 20-37.	5.1	89
5	Kinetic aspects of formation and processing of polycaprolactone polyurethanes <i>in situ</i> from a blocked isocyanate. <i>Polymer Chemistry</i> , 2018, 9, 1983-1995.	1.9	10
6	Properties and Phase Structure of Polycaprolactone-Based Segmented Polyurethanes with Varying Hard and Soft Segments: Effects of Processing Conditions. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700214.	1.1	16
7	Coupling of poly(lactic acid) with a polyurethane elastomer by reactive processing. <i>European Polymer Journal</i> , 2017, 97, 409-417.	2.6	15
8	Mechanical mapping and morphology across the length scales unveil structure-property relationships in polycaprolactone based polyurethanes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2298-2310.	2.4	23
9	Physical ageing and molecular mobility in PLA blends and composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 122, 1423-1433.	2.0	35
10	Interactions, structure and properties in poly(lactic acid)/thermoplastic polymer blends. <i>EXPRESS Polymer Letters</i> , 2014, 8, 2-14.	1.1	87
11	PLA/lignocellulosic fiber composites: Particle characteristics, interfacial adhesion, and failure mechanism. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	52
12	Structure, properties and interfacial interactions in poly(lactic acid)/polyurethane blends prepared by reactive processing. <i>European Polymer Journal</i> , 2013, 49, 3104-3113.	2.6	58
13	Compatibilization in bio-based and biodegradable polymer blends. <i>European Polymer Journal</i> , 2013, 49, 1215-1233.	2.6	467
14	Adhesion and micromechanical deformation processes in PLA/CaSO ₄ composites. <i>Carbohydrate Polymers</i> , 2012, 89, 759-767.	5.1	28