

Guralp Ozkoc

List of Publications by Year in descending order

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papers

1,546
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279798
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docs citations

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#	ARTICLE	IF	CITATIONS
1	A review on polyhedral oligomeric silsesquioxanes as a new multipurpose nanohybrid additive for poly(lactic acid) and poly(lactic acid) hybrid composites. <i>Polymer Composites</i> , 2022, 43, 1252-1281.	4.6	17
2	A novel practical approach for monitoring the crosslink density of an ethylene propylene diene monomer compound: Complementary scanning acoustic microscopy and FIB-SEM-EDS analyses. <i>Polymers and Polymer Composites</i> , 2022, 30, 096739112210741.	1.9	1
3	Scattering studies of POSS nanocomposites. , 2021, , 281-303.		3
4	Effect of Reactive Extrusion Process Parameters on Thermal, Mechanical, and Physical Properties of Recycled Polyamide-6: Comparison of Two Novel Chain Extenders. <i>Journal of Macromolecular Science - Physics</i> , 2021, 60, 350-367.	1.0	2
5	Effects of hetero-armed star-shaped PCL-PLA polymers with POSS core on thermal, mechanical, and morphological properties of PLA. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50712.	2.6	15
6	Reactive compatibilization of biodegradable PLA/TPU blends via hybrid nanoparticle. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2021, 37, 301-326.	1.8	13
7	Sustainable approach to produce 3D-printed continuous carbon fiber composites: A comparison of virgin and recycled PETG. <i>Polymer Composites</i> , 2021, 42, 4253-4264.	4.6	23
8	Crosslinked Low-Density Polyethylene/Polyhedral Oligomeric Silsesquioxanes Composites: Effects of Crosslinker Concentration on the Mechanical, Thermal, Rheological, and Shape Memory Properties. <i>Journal of Macromolecular Science - Physics</i> , 2021, 60, 999-1024.	1.0	4
9	The outstanding interfacial adhesion between acrylo-POSS/natural rubber composites and polyamide-based cords: An environmentally friendly alternative to resorcinol-formaldehyde latex coating™. <i>Polymer</i> , 2021, 228, 123880.	3.8	12
10	Preparation of hetero-armed POSS-cored star-shaped PCL-PLA/PLA composites and effect of different diisocyanates as compatibilizer. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 122, 104656.	3.1	7
11	Overmolded polylactide/jute eco-composites: A new method to enhance the properties of natural fiber biodegradable composites. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48692.	2.6	20
12	The Potential Use of Epoxy-POSS as a Reactive Hybrid Compatibilizers for PLA/PBAT Blends: Effect of PBAT Molecular Weight and POSS Type. <i>Polymer Engineering and Science</i> , 2020, 60, 398-413.	3.1	17
13	Polypropylene/Spray Dried and Silane-Treated Nanofibrillated Cellulose Composites. <i>Polymer Engineering and Science</i> , 2020, 60, 352-361.	3.1	9
14	POSS nanoparticles as a potential compatibilizer for natural rubber/butadiene rubber blends. <i>Polymers for Advanced Technologies</i> , 2020, 31, 2290-2300.	3.2	5
15	Improved interfacial adhesion with the help of functional polyhedral oligomeric silsesquioxanes in silicone rubber/rayon fiber composites: Physical, mechanical, thermal, and morphological properties. <i>Polymer Engineering and Science</i> , 2020, 60, 1958-1972.	3.1	15
16	Polyimide nanocomposites in ternary structure: A novel simultaneous neutron and gamma-ray shielding material. <i>Polymers for Advanced Technologies</i> , 2020, 31, 2466-2479.	3.2	32
17	Effect of Octavinyl-Polyhedral Oligomeric Silsesquioxane on the Cross-linking, Cure Kinetics, and Adhesion Properties of Natural Rubber/Textile Cord Composites. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 1888-1901.	3.7	18
18	Additive manufacturing and biomechanical validation of a patient-specific diabetic insole. <i>Polymers for Advanced Technologies</i> , 2020, 31, 988-996.	3.2	13

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19	Long- and short-term stability of plasticized poly(lactic acid): effects of plasticizers type on thermal, mechanical and morphological properties. Polymer Bulletin, 2019, 76, 423-445.	3.3	25
20	Thermal, mechanical and physical properties of chain extended recycled polyamide 6 via reactive extrusion: Effect of chain extender types. Polymer Degradation and Stability, 2019, 162, 76-84.	5.8	34
21	Thermal Properties (DSC, TMA, TGA, DTA) of Rubber Nanocomposites Containing Carbon Nanofillers. , 2019, , 325-366.		6
22	Compatibilization of PLA/PBAT blends by using Epoxy-POSS. Journal of Applied Polymer Science, 2019, 136, 47217.	2.6	65
23	The effects of POSS particles on the flame retardancy of intumescent polypropylene composites and the structure-property relationship. Polymer Degradation and Stability, 2018, 149, 96-111.	5.8	56
24	Investigation of relationship between crystallization kinetics and interfacial interactions in plasticized poly(lactic acid)/POSS nanocomposites: "Effects of different POSS types". Polymer Composites, 2018, 39, 2674-2684.	4.6	13
25	Mechanical and thermal properties of volcanic particle filled PLA/PBAT composites. Polymer Composites, 2018, 39, E1500.	4.6	23
26	Synthesis of phosphorus- and phenyl-based ROMP polymers and investigation of their effects on the thermomechanical and flammability properties of a polypropylene-IFR system. Journal of Applied Polymer Science, 2018, 135, 45998.	2.6	12
27	The mechanical, thermal and morphological properties of γ -irradiated PLA/TAIC and PLA/OvPOSS. Radiation Physics and Chemistry, 2018, 153, 214-225.	2.8	39
28	Non-isothermal crystallization kinetics of Poly(Butylene succinate) (PBS) nanocomposites with different modified carbon nanotubes. Polymer, 2018, 146, 361-377.	3.8	37
29	Non-isothermal crystallization kinetics of PEG plasticized PLA/G-POSS nanocomposites. Polymer Composites, 2017, 38, 1378-1389.	4.6	22
30	Comparison of natural halloysite with synthetic carbon nanotubes in poly(lactic acid) based composites. Polymer Composites, 2017, 38, 2337-2346.	4.6	28
31	Preparation, characterization, and <i>in vitro</i> evaluation of chicken feather fiber-thermoplastic polyurethane composites. Journal of Applied Polymer Science, 2017, 134, 45338.	2.6	19
32	High-Performance Green Composites of Poly(lactic acid) and Waste Cellulose Fibers Prepared by High-Shear Thermokinetic Mixing. Industrial & Engineering Chemistry Research, 2017, 56, 8568-8579.	3.7	19
33	Effects of Diisocyanate and Polymeric Epoxidized Chain Extenders on the Properties of Recycled Poly(Lactic Acid). Journal of Polymers and the Environment, 2017, 25, 983-993.	5.0	49
34	Effects of halloysite nanotubes on the performance of plasticized poly(lactic acid)-based composites. Polymer Composites, 2016, 37, 3134-3148.	4.6	25
35	Effects of octamaleamic acid-POSS used as the adhesion enhancer on the properties of silicone rubber/silica nanocomposites. Composites Part B: Engineering, 2016, 98, 370-381.	12.0	42
36	The influence of POSS type on the properties of PLA. Polymer Composites, 2016, 37, 1497-1506.	4.6	29

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37	Dual effect of chemical modification and polymer precoating of flax fibers on the properties of short flax fiber/poly(lactic acid) composites. Journal of Applied Polymer Science, 2015, 132, .	2.6	20
38	Effects of reactive and nonreactive POSS types on the mechanical, thermal, and morphological properties of plasticized poly(lactic acid). Polymer Engineering and Science, 2014, 54, 264-275.	3.1	55
39	Toughening of poly(lactic acid) with silicone rubber. Polymer Engineering and Science, 2014, 54, 2029-2036.	3.1	16
40	Fracture toughness analysis of O-POSS/PLA composites assessed by essential work of fracture method. Composites Part B: Engineering, 2014, 56, 527-535.	12.0	52
41	The Effects of Thermomechanical Cycles on the Properties of PLA/TPS Blends. Advances in Polymer Technology, 2014, 33, .	1.7	26
42	Reactive compatibilization of PLA/TPU blends with a diisocyanate. Journal of Applied Polymer Science, 2014, 131, .	2.6	60
43	Effects of a diisocyanate compatibilizer on the properties of citric acid modified thermoplastic starch/poly(lactic acid) blends. Polymer Engineering and Science, 2013, 53, 2183-2193.	3.1	26
44	Properties of modified ethylene terpolymer/poly(lactic acid) blends based films. Fibers and Polymers, 2013, 14, 1422-1431.	2.1	12
45	POSS reinforced PET based composite fibers: “Effect of POSS type and loading level” Composites Part B: Engineering, 2013, 53, 395-403.	12.0	31
46	A modified method for processing and characterization of organoclay based poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	4.6	5
47	Plasticized and unplasticized PLA/organoclay nanocomposites: Short and long term thermal properties, morphology, and nonisothermal crystallization behavior. Journal of Applied Polymer Science, 2012, 123, 2837-2848.	2.6	61
48	Effects of Alkali Treatment on the Properties of Short Flax Fiber Poly(Lactic Acid) Eco-Composites. Journal of Polymers and the Environment, 2011, 19, 11-17.	5.0	81
49	Effects of POSS particles on the mechanical, thermal, and morphological properties of PLA and Plasticised PLA. Journal of Applied Polymer Science, 2011, 121, 1067-1075.	2.6	68
50	Interfacial strength in short glass fiber reinforced acrylonitrile butadiene styrene/polyamide 6 blends. Polymer Composites, 2010, 31, 392-398.	4.6	5
51	Production of poly(lactic acid)/organoclay nanocomposite scaffolds by microcompounding and polymer/particle leaching. Polymer Composites, 2010, 31, 674-683.	4.6	12
52	Thermally conductive boron nitride/SEBS/EVA ternary composites: “Processing and characterization” Polymer Composites, 2010, 31, 1398-1408.	4.6	22
53	Morphology, biodegradability, mechanical, and thermal properties of nanocomposite films based on PLA and plasticized PLA. Journal of Applied Polymer Science, 2009, 114, 2481-2487.	2.6	146
54	Effects of polyamide 6 incorporation to the short glass fiber reinforced ABS composites: an interfacial approach. Polymer, 2004, 45, 8957-8966.	3.8	79