

Guralp Ozkoc

List of Publications by Year in descending order

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54
papers

1,546
citations

279487

23
h-index

329751

37
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all docs

54
docs citations

54
times ranked

1695
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphology, biodegradability, mechanical, and thermal properties of nanocomposite films based on PLA and plasticized PLA. <i>Journal of Applied Polymer Science</i> , 2009, 114, 2481-2487.	1.3	146
2	Effects of Alkali Treatment on the Properties of Short Flax Fiber/Poly(Lactic Acid) Eco-Composites. <i>Journal of Polymers and the Environment</i> , 2011, 19, 11-17.	2.4	81
3	Effects of polyamide 6 incorporation to the short glass fiber reinforced ABS composites: an interfacial approach. <i>Polymer</i> , 2004, 45, 8957-8966.	1.8	79
4	Effects of POSS particles on the mechanical, thermal, and morphological properties of PLA and Plasticised PLA. <i>Journal of Applied Polymer Science</i> , 2011, 121, 1067-1075.	1.3	68
5	Compatibilization of PLA/PBAT blends by using Epoxy/POSS. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47217.	1.3	65
6	Plasticized and unplasticized PLA/organoclay nanocomposites: Short- and long-term thermal properties, morphology, and nonisothermal crystallization behavior. <i>Journal of Applied Polymer Science</i> , 2012, 123, 2837-2848.	1.3	61
7	Reactive compatibilization of PLA/TPU blends with a diisocyanate. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	60
8	The effects of POSS particles on the flame retardancy of intumescent polypropylene composites and the structure-property relationship. <i>Polymer Degradation and Stability</i> , 2018, 149, 96-111.	2.7	56
9	Effects of reactive and nonreactive POSS types on the mechanical, thermal, and morphological properties of plasticized poly(lactic acid). <i>Polymer Engineering and Science</i> , 2014, 54, 264-275.	1.5	55
10	Fracture toughness analysis of O-POSS/PLA composites assessed by essential work of fracture method. <i>Composites Part B: Engineering</i> , 2014, 56, 527-535.	5.9	52
11	Effects of Diisocyanate and Polymeric Epoxidized Chain Extenders on the Properties of Recycled Poly(Lactic Acid). <i>Journal of Polymers and the Environment</i> , 2017, 25, 983-993.	2.4	49
12	Effects of octamaleamic acid-POSS used as the adhesion enhancer on the properties of silicone rubber/silica nanocomposites. <i>Composites Part B: Engineering</i> , 2016, 98, 370-381.	5.9	42
13	The mechanical, thermal and morphological properties of γ -irradiated PLA/TAIC and PLA/OvPOSS. <i>Radiation Physics and Chemistry</i> , 2018, 153, 214-225.	1.4	39
14	Non-isothermal crystallization kinetics of Poly(Butylene succinate) (PBS) nanocomposites with different modified carbon nanotubes. <i>Polymer</i> , 2018, 146, 361-377.	1.8	37
15	Thermal, mechanical and physical properties of chain extended recycled polyamide 6 via reactive extrusion: Effect of chain extender types. <i>Polymer Degradation and Stability</i> , 2019, 162, 76-84.	2.7	34
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.	1.6	32
17	POSS reinforced PET based composite fibers: Effect of POSS type and loading level. <i>Composites Part B: Engineering</i> , 2013, 53, 395-403.	5.9	31
18	The influence of POSS type on the properties of PLA. <i>Polymer Composites</i> , 2016, 37, 1497-1506.	2.3	29

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19	Comparison of natural halloysite with synthetic carbon nanotubes in poly(lactic acid) based composites. <i>Polymer Composites</i> , 2017, 38, 2337-2346.	2.3	28
20	Effects of a diisocyanate compatibilizer on the properties of citric acid modified thermoplastic starch/poly(lactic acid) blends. <i>Polymer Engineering and Science</i> , 2013, 53, 2183-2193.	1.5	26
21	The Effects of Thermomechanical Cycles on the Properties of PLA/TPS Blends. <i>Advances in Polymer Technology</i> , 2014, 33, .	0.8	26
22	Effects of halloysite nanotubes on the performance of plasticized poly(lactic acid) based composites. <i>Polymer Composites</i> , 2016, 37, 3134-3148.	2.3	25
23	Long- and short-term stability of plasticized poly(lactic acid): effects of plasticizers type on thermal, mechanical and morphological properties. <i>Polymer Bulletin</i> , 2019, 76, 423-445.	1.7	25
24	Mechanical and thermal properties of volcanic particle filled PLA/PBAT composites. <i>Polymer Composites</i> , 2018, 39, E1500.	2.3	23
25	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.	2.3	23
26	Thermally conductive boron nitride/SEBS/EVA ternary composites: Processing and characterization. <i>Polymer Composites</i> , 2010, 31, 1398-1408.	2.3	22
27	Non-isothermal crystallization kinetics of PEG plasticized PLA/G-POSS nanocomposites. <i>Polymer Composites</i> , 2017, 38, 1378-1389.	2.3	22
28	Dual effect of chemical modification and polymer precoating of flax fibers on the properties of short flax fiber/poly(lactic acid) composites. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	20
29	Overmolded polylactide/jute mat eco-composites: A new method to enhance the properties of natural fiber biodegradable composites. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48692.	1.3	20
30	Preparation, characterization, and in vitro evaluation of chicken feather fiber thermoplastic polyurethane composites. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45338.	1.3	19
31	High-Performance Green Composites of Poly(lactic acid) and Waste Cellulose Fibers Prepared by High-Shear Thermokinetic Mixing. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 8568-8579.	1.8	19
32	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.	1.8	18
33	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.	1.5	17
34	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.	2.3	17
35	Thoughening of poly(lactic acid) with silicone rubber. <i>Polymer Engineering and Science</i> , 2014, 54, 2029-2036.	1.5	16
36	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.	1.5	15

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37	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.	1.3	15
38	Investigation of relationship between crystallization kinetics and interfacial interactions in plasticized poly(lactic acid)/POSS nanocomposites: Effects of different POSS types. <i>Polymer Composites</i> , 2018, 39, 2674-2684.	2.3	13
39	Additive manufacturing and biomechanical validation of a patient-specific diabetic insole. <i>Polymers for Advanced Technologies</i> , 2020, 31, 988-996.	1.6	13
40	Reactive compatibilization of biodegradable PLA/TPU blends via hybrid nanoparticle. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2021, 37, 301-326.	0.8	13
41	Production of poly(lactic acid)/organoclay nanocomposite scaffolds by microcompounding and polymer/particle leaching. <i>Polymer Composites</i> , 2010, 31, 674-683.	2.3	12
42	Properties of modified ethylene terpolymer/poly(lactic acid) blends based films. <i>Fibers and Polymers</i> , 2013, 14, 1422-1431.	1.1	12
43	Synthesis of phosphorus- and phenyl-based ROMP polymers and investigation of their effects on the thermomechanical and flammability properties of a polypropylene-IFR system. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45998.	1.3	12
44	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.	1.8	12
45	Polypropylene/Spray Dried and Silane-Treated Nanofibrillated Cellulose Composites. <i>Polymer Engineering and Science</i> , 2020, 60, 352-361.	1.5	9
46	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.	1.5	7
47	Thermal Properties (DSC, TMA, TGA, DTA) of Rubber Nanocomposites Containing Carbon Nanofillers. , 2019, , 325-366.		6
48	Interfacial strength in short glass fiber reinforced acrylonitrile-butadiene-styrene/polyamide 6 blends. <i>Polymer Composites</i> , 2010, 31, 392-398.	2.3	5
49	A modified method for processing and characterization of organoclay-based poly(ethylene Tj ETQq1 1 0.784314,rgBT /Overlock 10	2.3	5
50	<scp>POSS</scp> nanoparticles as a potential compatibilizer for natural rubber/butadiene rubber blends. <i>Polymers for Advanced Technologies</i> , 2020, 31, 2290-2300.	1.6	5
51	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.	0.4	4
52	Scattering studies of POSS nanocomposites. , 2021, , 281-303.		3
53	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.	0.4	2
54	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.	1.0	1