Guralp Ozkoc

List of Publications by Year
in descending order

54 papers	1,546 citations	279798 23 h-index	330143 37 g-index
54 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. Journal of Applied Polymer Science, 2009, 114, 2481-2487.	2.6	146
2	Effects of Alkali Treatment on the Properties of Short Flax Fiberâ€“Poly(Lactic Acid) Eco-Composites. Journal of Polymers and the Environment, 2011, 19, 11-17.	5.0	81
3	Effects of polyamide 6 incorporation to the short glass fiber reinforced ABS composites: an interfacial approach. Polymer, 2004, 45, 8957-8966.	3.8	79
4	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
5	Compatibilization of PLA/PBAT blends by using Epoxyâ€POSS. Journal of Applied Polymer Science, 2019, 136, 47217.	2.6	65
6	Plasticized and unplasticized PLA/organoclay nanocomposites: Shortâ€•and longâ€•term thermal properties, morphology, and nonisothermal crystallization behavior. Journal of Applied Polymer Science, 2012, 123, 2837-2848.	2.6	61
7	Reactive compatibilization of PLA/TPU blends with a diisocyanate. Journal of Applied Polymer Science, 2014, 131, .	2.6	60
8	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
9	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
10	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
11	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
12	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
13	The mechanical, thermal and morphological properties of Î³-irradiated PLA/TAIC and PLA/OvPOSS. Radiation Physics and Chemistry, 2018, 153, 214-225.	2.8	39
14	Non-isothermal crystallization kinetics of Poly(Butylene succinate) (PBS) nanocomposites with different modified carbon nanotubes. Polymer, 2018, 146, 361-377.	3.8	37
15	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
16	Polyimide nanocomposites in ternary structure: â€œA novel simultaneous neutron and gammaâ€•ray shielding materialâ€• Polymers for Advanced Technologies, 2020, 31, 2466-2479.	3.2	32
17	POSS reinforced PET based composite fibers: â€œEffect of POSS type and loading levelâ€• Composites Part B: Engineering, 2013, 53, 395-403.	12.0	31
18	The influence of POSS type on the properties of <scp>PLA</scp>. Polymer Composites, 2016, 37, 1497-1506.	4.6	29

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19	Comparison of natural halloysite with synthetic carbon nanotubes in poly(lactic acid) based composites. Polymer Composites, 2017, 38, 2337-2346.	4.6	28
20	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
21	The Effects of Thermomechanical Cycles on the Properties of PLA/TPS Blends. Advances in Polymer Technology, 2014, 33, .	1.7	26
22	Effects of halloysite nanotubes on the performance of plasticized poly(lactic acid)â€based composites. Polymer Composites, 2016, 37, 3134-3148.	4.6	25
23	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
24	Mechanical and thermal properties of volcanic particle filled PLA/PBAT composites. Polymer Composites, 2018, 39, E1500.	4.6	23
25	Sustainable approach to produce <scp>3D</scp>â€printed continuous carbon fiber composites: â€œA comparison of virgin and recycled <scp>PETGâ€</scp>. Polymer Composites, 2021, 42, 4253-4264.	4.6	23
26	Thermally conductive boron nitride/SEBS/EVA ternary composites: â€œProcessing and characterizationâ€• Polymer Composites, 2010, 31, 1398-1408.	4.6	22
27	Nonâ€isothermal crystallization kinetics of PEG plasticized PLA/Gâ€POSS nanocomposites. Polymer Composites, 2017, 38, 1378-1389.	4.6	22
28	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
29	Overmolded polylactide/juteâ€mat ecoâ€composites: A new method to enhance the properties of natural fiber biodegradable composites. Journal of Applied Polymer Science, 2020, 137, 48692.	2.6	20
30	Preparation, characterization, and in vitro evaluation of chicken feather fiberâ€“thermoplastic polyurethane composites. Journal of Applied Polymer Science, 2017, 134, 45338.	2.6	19
31	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
32	Effect of Octavinyl-Polyhedral Oligomeric Silsesquioxane on the Cross-linking, Cure Kinetics, and Adhesion Properties of Natural Rubber/Textile Cord Composites. Industrial & Engineering Chemistry Research, 2020, 59, 1888-1901.	3.7	18
33	The Potential Use of Epoxyâ€POSS as a Reactive Hybrid Compatibilizers for PLA/PBAT Blends: â€œEffect of PBAT Molecular Weight and POSS Typeâ€• Polymer Engineering and Science, 2020, 60, 398-413.	3.1	17
34	A review on polyhedral oligomeric silsesquioxanes as a new multipurpose nanohybrid additive for poly(lactic acid) and poly(lactic acid) hybrid composites. Polymer Composites, 2022, 43, 1252-1281.	4.6	17
35	Thoughening of poly(lactic acid) with silicone rubber. Polymer Engineering and Science, 2014, 54, 2029-2036.	3.1	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. Polymer Engineering and Science, 2020, 60, 1958-1972.	3.1	15

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37	Effects of heteroâ€armed starâ€shaped PCLâ€PLA polymers with POSS core on thermal, mechanical, and morphological properties of PLA. Journal of Applied Polymer Science, 2021, 138, 50712.	2.6	15
38	Investigation of relationship between crystallization kinetics and interfacial interactions in plasticized poly(lactic acid)/POSS nanocomposites: â€œEffects of different POSS typesâ€• Polymer Composites, 2018, 39, 2674-2684.	4.6	13
39	Additive manufacturing and biomechanical validation of a patientâ€specific diabetic insole. Polymers for Advanced Technologies, 2020, 31, 988-996.	3.2	13
40	Reactive compatibilization of biodegradable PLA/TPU blends via hybrid nanoparticle. Progress in Rubber, Plastics and Recycling Technology, 2021, 37, 301-326.	1.8	13
41	Production of poly(lactic acid)/organoclay nanocomposite scaffolds by microcompounding and polymer/particle leaching. Polymer Composites, 2010, 31, 674-683.	4.6	12
42	Properties of modified ethylene terpolymer/poly(lactic acid) blends based films. Fibers and Polymers, 2013, 14, 1422-1431.	2.1	12
43	Synthesis of phosphorusâ€and phenylâ€based ROMP polymers and investigation of their effects on the thermomechanical and flammability properties of a polypropyleneâ€“IFR system. Journal of Applied Polymer Science, 2018, 135, 45998.	2.6	12
44	The outstanding interfacial adhesion between acrylo-POSS/natural rubber composites and polyamide-based cords: â€˜An environmentally friendly alternative to resorcinol-formaldehyde latex coatingâ€™. Polymer, 2021, 228, 123880.	3.8	12
45	Polypropylene/Spray Dried and Silaneâ€Treated Nanofibrillated Cellulose Composites. Polymer Engineering and Science, 2020, 60, 352-361.	3.1	9
46	Preparation of hetero-armed POSS-cored star-shaped PCL-PLA/PLA composites and effect of different diisocyanates as compatibilizer. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 122, 104656.	3.1	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 acrylonitrileâ€butadieneâ€styrene/polyamide 6 blends. Polymer Composites, 2010, 31, 392-398.	4.6	5
49	A modified method for processing and characterization of organoclayâ€based poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.6	5
50	<scp>POSS</scp> nanoparticles as a potential compatibilizer for natural rubber/butadiene rubber blends. Polymers for Advanced Technologies, 2020, 31, 2290-2300.	3.2	5
51	Crosslinked Low-Density Polyethylene/Polyhedral Oligomeric Silsesquioxanes Composites: Effects of Crosslinker Concentration on the Mechanical, Thermal, Rheological, and Shape Memory Properties. Journal of Macromolecular Science - Physics, 2021, 60, 999-1024.	1.0	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. Journal of Macromolecular Science - Physics, 2021, 60, 350-367.	1.0	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. Polymers and Polymer Composites, 2022, 30, 096739112210741.	1.9	1