Oguzhan Oguz

List of Publications by Year
in descending order

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		759055	794469
25	390	12	19
papers	citations	h-index	g-index

25	25	25	446
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyurethaneureaâ€“silica nanocomposites: Preparation and investigation of the structureâ€“property behavior. Polymer, 2013, 54, 5310-5320.	1.8	53
2	Production of PEG grafted PAN copolymers and their electrospun nanowebs as novel thermal energy storage materials. Thermochimica Acta, 2016, 643, 83-93.	1.2	38
3	A Sustainable Approach to Produce Stiff, Super-Tough, and Heat-Resistant Poly(lactic acid)-Based Green Materials. ACS Sustainable Chemistry and Engineering, 2019, 7, 7869-7877.	3.2	33
4	Dynamic glass transition of the rigid amorphous fraction in polyurethane-urea/SiO₂ nanocomposites. Soft Matter, 2017, 13, 4580-4590.	1.2	28
5	Mechanical reinforcement and memory effect of strain-induced soft segment crystals in thermoplastic polyurethane-urea elastomers. Polymer, 2021, 223, 123708.	1.8	26
6	Strain-induced network chains damage in carbon black filled EPDM. Polymer, 2019, 175, 329-338.	1.8	23
7	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.	1.8	19
8	Strain induced crystallization in vulcanized natural rubber containing ground tire rubber particles with reinforcement and nucleation abilities. Polymer Testing, 2021, 101, 107313.	2.3	19
9	Strain and filler ratio transitions from chains network to filler network damage in EPDM during single and cyclic loadings. Polymer, 2020, 197, 122435.	1.8	16
10	Effect of soft segment molecular weight on the glass transition, crystallinity, molecular mobility and segmental dynamics of poly(ethylene oxide) based poly(urethaneâ€“urea) copolymers. RSC Advances, 2017, 7, 40745-40754.	1.7	15
11	Effect of filler content on the structureâ€property behavior of poly(ethylene oxide) based polyurethaneureaâ€silica nanocomposites. Polymer Engineering and Science, 2018, 58, 1097-1107.	1.5	15
12	Tuning Interaction Parameters of Thermoplastic Polyurethanes in a Binary Solvent To Achieve Precise Control over Microphase Separation. Journal of Chemical Information and Modeling, 2019, 59, 1946-1956.	2.5	15
13	Poly(lactide)/cellulose nanocrystal nanocomposites by highâ€shear mixing. Polymer Engineering and Science, 2021, 61, 1028-1040.	1.5	13
14	Soft segment length controls morphology of poly(ethylene oxide) based segmented poly(urethane-urea) copolymers in a binary solvent. Computational Materials Science, 2017, 138, 58-69.	1.4	12
15	Poly (Lactic Acid)/Ground Tire Rubber Blends Using Peroxide Vulcanization. Polymers, 2021, 13, 1496.	2.0	10
16	Polymer Nanocomposites With Decorated Metal Oxides. , 2019, , 287-323.		9
17	Effect of the Strain Rate on Damage in Filled EPDM during Single and Cyclic Loadings. Polymers, 2020, 12, 3021.	2.0	9
18	Heat source and voiding signatures of Mullins damage in filled EPDM. Polymer Testing, 2020, 91, 106838.	2.3	8

#	Article	IF	Citations
19	Effect of surface modification of colloidal silica nanoparticles on the rigid amorphous fraction and mechanical properties of amorphous polyurethaneâ€“ureaâ€“silica nanocomposites. Journal of Polymer Science Part A, 2019, 57, 2543-2556.	2.5	7
20	Poly(propylene)/waste vulcanized ethylene- propylene-diene monomer (PP/WEPDM) blends prepared by high-shear thermo-kinetic mixer. Journal of Elastomers and Plastics, 2018, 50, 537-553.	0.7	6
21	Geometric Confinement Controls Stiffness, Strength, Extensibility, and Toughness in Poly(urethaneâ€“urea) Copolymers. Macromolecules, 2021, 54, 4704-4725.	2.2	5
22	Stiff, Strong, Tough, and Highly Stretchable Hydrogels Based on Dual Stimuli-Responsive Semicrystalline Poly(urethaneâ€“urea) Copolymers. ACS Applied Polymer Materials, 2021, 3, 5683-5695.	2.0	4
23	Low Density Polypropylene/Waste Cellulose Fiber Composites by High-Shear Thermo-Kinetic Mixer. International Polymer Processing, 2017, 32, 562-567.	0.3	3
24	Specific Interactions and Self-Organization in Polymer/Functionalized Nanoparticle Systems. , 2019, , 85-117.		2
25	Polymer Composites Containing Functionalized Nanoparticles and the Environment. , 2019, , 437-466.		2