

Evagelia Kontou

List of Publications by Year in descending order

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46
papers

865
citations

516710

16
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501196

28
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46
all docs

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docs citations

46
times ranked

1082
citing authors

#	ARTICLE	IF	CITATIONS
1	Model Simulation of Creep and Thermal Ratcheting of Engineering Polymers. <i>Macromolecular Theory and Simulations</i> , 2022, 31, 2100043.	1.4	1
2	Thermomechanical performance of biodegradable poly (lactic acid)/carbonaceous hybrid nanocomposites: Comparative study. <i>Polymer Composites</i> , 2022, 43, 1900-1915.	4.6	6
3	The synergistic effect on the thermomechanical and electrical properties of carbonaceous hybrid polymer nanocomposites. <i>Polymer Testing</i> , 2021, 95, 107102.	4.8	13
4	The effectiveness of interconversion methods based on the distributed nature of polymeric structure. <i>Polymer Engineering and Science</i> , 2021, 61, 1732-1741.	3.1	0
5	Creep resistance of linear low density polyethylene/carbonaceous hybrid nanocomposites: Experiments and modeling. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51196.	2.6	3
6	Rheological constitutive equations for glassy polymers, based on trap phenomenology. <i>Mechanics of Time-Dependent Materials</i> , 2020, 24, 73-83.	4.4	5
7	Prediction of the non-isothermal creep strain of a glassy polymer on the basis of dynamic analysis results. <i>Acta Mechanica</i> , 2020, 231, 353-361.	2.1	2
8	Prediction of the elastic modulus of LLDPE/CNT nanocomposites by analytical modeling and finite element analysis. <i>Materials Today Communications</i> , 2020, 24, 101070.	1.9	4
9	Preparation and thermomechanical characterization of metallocene linear low-density polyethylene/carbon nanotube nanocomposites. <i>Polymer Composites</i> , 2019, 40, E1263-E1273.	4.6	11
10	Comparing the rheological and reinforcing effects of graphene oxide on glassy and semicrystalline polymers. <i>Polymer Engineering and Science</i> , 2019, 59, 1933-1947.	3.1	5
11	Effects of CNTs on thermal transitions, thermal diffusivity and electrical conductivity in nanocomposites: comparison between an amorphous and a semicrystalline polymer matrix. <i>Soft Matter</i> , 2019, 15, 1813-1824.	2.7	46
12	Thermomechanical characterization of basalt fiber reinforced biodegradable polymers. <i>Polymer Composites</i> , 2019, 40, 4340-4350.	4.6	16
13	Fractional viscoelastic models for interconverting linear viscoelastic functions of various polymeric structures. <i>Rheologica Acta</i> , 2019, 58, 307-320.	2.4	11
14	Aging of packaging films in the marine environment. <i>Polymer Engineering and Science</i> , 2019, 59, E432.	3.1	23
15	Stress-softening effect of SBR/nanocomposites by a phenomenological Gent-Zener viscoelastic model. <i>Meccanica</i> , 2018, 53, 2353-2362.	2.0	2
16	Comparing interconversion methods between linear viscoelastic material functions. <i>Mechanics of Time-Dependent Materials</i> , 2018, 22, 401-419.	4.4	8
17	Thermomechanical-electrical properties and micromechanics modeling of linear low density polyethylene reinforced with multi-walled carbon nanotubes. <i>Polymer Composites</i> , 2018, 39, E1118.	4.6	7
18	Evaluation of fundamental viscoelastic functions by a nonlinear viscoelastic model. <i>Polymer Engineering and Science</i> , 2017, 57, 1389-1395.	3.1	6

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19	A fractional transient model for the viscoplastic response of polymers based on a micro-mechanism of free volume distribution. <i>Mechanics of Time-Dependent Materials</i> , 2017, 21, 643-656.	4.4	1
20	The effect of surface treatment on the performance of flax/biodegradable composites. <i>Composites Part B: Engineering</i> , 2016, 106, 88-98.	12.0	58
21	Lower and higher strain regime modeling of cyclic viscoplastic response of an amorphous glassy polymer. <i>International Journal of Solids and Structures</i> , 2016, 97-98, 489-495.	2.7	8
22	Structureâ€‘properties investigations in hydrophilic nanocomposites based on polyurethane/poly(2â€‘hydroxyethyl methacrylate) semiâ€‘interpenetrating polymer networks and nanofiller densil for biomedical application. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	6
23	The effect of woodâ€‘fiber type on the thermomechanical performance of a biodegradable polymer matrix. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	27
24	Nonlinear viscoelastic modeling of soft polymers. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	12
25	Short-term creep behavior of a biodegradable polymer reinforced with wood-fibers. <i>Composites Part B: Engineering</i> , 2015, 80, 134-144.	12.0	92
26	Modeling of viscoplastic cyclic loading behavior of polymers. <i>Mechanics of Time-Dependent Materials</i> , 2015, 19, 439-453.	4.4	5
27	The effect of silica nanoparticles on the thermomechanical properties and degradation behavior of polylactic acid. <i>Journal of Biomaterials Applications</i> , 2014, 29, 662-674.	2.4	21
28	Viscoplastic response and creep failure time prediction of polymers based on the transient network model. <i>Mechanics of Time-Dependent Materials</i> , 2014, 18, 373-386.	4.4	16
29	Thermomechanical properties and rheological behavior of biodegradable composites. <i>Polymer Composites</i> , 2014, 35, 1140-1149.	4.6	49
30	Modeling of the elastic stiffness of biobased polymer nanocomposites. <i>Journal of Reinforced Plastics and Composites</i> , 2014, 33, 942-952.	3.1	6
31	The role of nanofillers on the degradation behavior of polylactic acid. <i>Polymer Composites</i> , 2012, 33, 282-294.	4.6	27
32	Effects of aging on the thermomechanical properties of poly(lactic acid). <i>Journal of Applied Polymer Science</i> , 2011, 119, 472-481.	2.6	23
33	Modeling the compressive stressâ€‘strain response of polymeric foams. <i>Journal of Applied Polymer Science</i> , 2011, 121, 3262-3268.	2.6	1
34	Comparative study of PLA nanocomposites reinforced with clay and silica nanofillers and their mixtures. <i>Journal of Applied Polymer Science</i> , 2011, 122, 1519-1529.	2.6	85
35	Synthesis and characterization of polycyanurate/montmorillonite nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 1036-1049.	2.1	10
36	Micromechanical behaviour of particulate polymer nanocomposites. <i>Polymer</i> , 2008, 49, 1934-1942.	3.8	27

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37	The effect of silica nanoparticles on the thermomechanical properties of polystyrene. Journal of Applied Polymer Science, 2007, 105, 1723-1731.	2.6	72
38	Application of finite strain viscoplasticity to polymeric fiber composites. International Journal of Plasticity, 2006, 22, 1287-1303.	8.8	12
39	Viscoplastic deformation of an epoxy resin at elevated temperatures. Journal of Applied Polymer Science, 2006, 101, 2027-2033.	2.6	26
40	Effect of thermal treatments on the yielding of polycarbonate. Journal of Applied Polymer Science, 2005, 98, 796-805.	2.6	5
41	Effect of LDPE on the thermomechanical properties of LLDPE-based films. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 1712-1727.	2.1	28
42	Tensile creep behavior of unidirectional glass-fiber polymer composites. Polymer Composites, 2005, 26, 287-292.	4.6	18
43	Tensile strain-rate response of polymeric fiber composites. Polymer Composites, 2005, 26, 572-579.	4.6	7
44	Non-linear viscoplastic behavior of fiber reinforced polymer composites. Composites Science and Technology, 2004, 64, 2333-2340.	7.8	11
45	Nonlinear viscoelastic model for the prediction of double yielding in a linear low-density polyethylene film. Journal of Applied Polymer Science, 2004, 91, 3519-3527.	2.6	21
46	Thermomechanical behavior of metallocene ethylene-1-octene copolymers. European Polymer Journal, 2002, 38, 2477-2487.	5.4	22