

Babak Kaffashi

List of Publications by Year in descending order

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44
papers

1,091
citations

361413

20
h-index

395702

33
g-index

44
all docs

44
docs citations

44
times ranked

1547
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing the effect of graphene surface chemistry on compatibility, crystallinity, and viscoelastic response of polylactic acid/polyvinylidene fluoride blends. <i>Materials Today Communications</i> , 2022, 30, 103188.	1.9	2
2	Synergetic effects of PVP/HEC polymers on rheology and stability of polymeric solutions for enhanced oil recovery at harsh reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2022, 215, 110619.	4.2	4
3	Rheological properties and crystallization behavior of modified polylactic acid using lauroyl peroxide and glycidyl methacrylate. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49924.	2.6	0
4	Preparation and characterization of reinforced poly (ϵ -caprolactone) nanocomposites by cellulose nanowhiskers. <i>Polymer Composites</i> , 2020, 41, 624-632.	4.6	24
5	Effect of compatibilizer concentration on dynamic rheological behavior and morphology of thermoplastic starch/polypropylene blends. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48742.	2.6	21
6	The synergistic reinforcing effects of halloysite nanotube particles and polyolefin elastomer-grafted-maleic anhydride compatibilizer on melt and solid viscoelastic properties of polylactic acid/ polyolefin elastomer blends. <i>Polymer Testing</i> , 2020, 91, 106757.	4.8	12
7	Shape memory thin films of Polyurethane: Does graphene content affect the recovery behavior of Polyurethane nanocomposites?. <i>Polymer Composites</i> , 2020, 41, 3376-3388.	4.6	21
8	Shape memory thin films of polyurethane: Synthesis, characterization, and recovery behavior. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49547.	2.6	6
9	Investigation of cure advancement in dual-cure polyurethane-acrylate coatings over metal substrates. <i>Journal of Coatings Technology Research</i> , 2018, 15, 527-534.	2.5	2
10	Investigating the Effect of Treated Rice Straw in PLLA/Starch Composite: Mechanical, Thermal, Rheological, and Morphological Study. <i>Advances in Polymer Technology</i> , 2018, 37, 5-16.	1.7	33
11	Biodegradable polypropylene/thermoplastic starch nanocomposites incorporating halloysite nanotubes. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45740.	2.6	17
12	Reinforced Poly(ϵ -caprolactone) Bimodal Foams via Phospho-Calcified Cellulose Nanowhisiker for Osteogenic Differentiation of Human Mesenchymal Stem Cells. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2484-2493.	5.2	33
13	Investigation of structure and mechanical properties of toughened poly(ϵ -lactide)/thermoplastic poly(ester urethane) blends. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	40
14	Poly(ϵ -caprolactone)/triclosan loaded polylactic acid nanoparticles composite: A long-term antibacterial bionanocomposite with sustained release. <i>International Journal of Pharmaceutics</i> , 2016, 508, 10-21.	5.2	27
15	Investigation on the properties of poly(l-lactide)/thermoplastic poly(ester urethane)/halloysite nanotube composites prepared based on prediction of halloysite nanotube location by measuring free surface energies. <i>Polymer</i> , 2016, 104, 104-114.	3.8	24
16	Rheological evaluation of synthesized template- ϵ -hydrophobically modified acrylamide based copolymers in brine. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	3
17	Synthesis and characterization of a novel solvent-free dextran-HEMA-PNIPAM thermosensitive nanogel. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 68-74.	2.2	8
18	Investigating thermal, mechanical and rheological properties of novel antibacterial hybrid nanocomposites based on PLLA/triclosan/nano-hydroxyapatite. <i>Polymer</i> , 2016, 90, 232-241.	3.8	45

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19	In-vitro investigation and hydrolytic degradation of antibacterial nanocomposites based on PLLA/triclosan/nano-hydroxyapatite. <i>Polymer</i> , 2016, 83, 101-110.	3.8	44
20	Effect of hydroxyapatite nano-particles on morphology, rheology and thermal behavior of poly(caprolactone)/chitosan blends. <i>Materials Science and Engineering C</i> , 2016, 59, 980-989.	7.3	36
21	Investigating composite systems based on poly L-lactide and poly L-lactide/triclosan nanoparticles for tissue engineering and medical applications. <i>Materials Science and Engineering C</i> , 2016, 58, 294-309.	7.3	49
22	Polylactic Acid in Medicine. <i>Polymer-Plastics Technology and Engineering</i> , 2015, 54, 944-967.	1.9	101
23	Preparation and Characterization of Poly L-Lactide/Triclosan Nanoparticles for Specific Antibacterial and Medical Applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015, 64, 497-508.	3.4	71
24	PCL/chitosan/Zn-doped nHA electrospun nanocomposite scaffold promotes adipose derived stem cells adhesion and proliferation. <i>Carbohydrate Polymers</i> , 2015, 118, 133-142.	10.2	158
25	Synthesis, Characterization, and Viscoelastic Behavior of Thermothickening Poly (N-Isopropylacrylamide-Methacrylicacide-Vinylpyrrolidone) Nanogels as an Injectable Biocompatible Drug Carrier. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015, 64, 55-63.	3.4	15
26	Determination of molecular orientation using molecular dynamics for polymer melt flows in circular ducts. <i>Polymer Engineering and Science</i> , 2015, 55, 1196-1202.	3.1	1
27	Bionanocomposites with enhanced antimicrobial activity and photodegradability based on low density polyethylene and nano TiO ₂ /organoclay. <i>E-Polymers</i> , 2014, 14, 43-55.	3.0	3
28	Effect of lignin removal on mechanical, thermal, and morphological properties of polylactide/starch/rice husk blend used in food packaging. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	37
29	Study of the simultaneous effects of MMT nanoclay and hydrophobically modified ethoxylated urethane (HEUR) on viscoelastic and steady shear properties of water-based acrylic resins. <i>Journal of Coatings Technology Research</i> , 2013, 10, 727-731.	2.5	1
30	Evaluation of melt rheology of lactose-filled polyethylene glycol composites by means of capillary rheometry. <i>Pharmaceutical Development and Technology</i> , 2013, 18, 98-105.	2.4	6
31	Rheological evaluation of wet masses for the preparation of pharmaceutical pellets by capillary and rotational rheometers. <i>Pharmaceutical Development and Technology</i> , 2013, 18, 112-120.	2.4	6
32	Synthesis and Physicochemical Characterization of pH- and Thermosensitive Nanopolymers Based on N-isopropylacrylamide Containing Doxorubicin Anti-Cancer Agent. <i>International Journal of Green Nanotechnology</i> , 2012, 4, 389-393.	0.3	2
33	Synthesis and characterization of a novel terpolymer based on L-lactide, glycolide, and trimethylene carbonate for specific medical applications. <i>Polymers for Advanced Technologies</i> , 2012, 23, 565-573.	3.2	39
34	Improving rheological properties of covalently MWCNT/epoxy nanocomposites via surface re-modification. <i>Polymer Bulletin</i> , 2012, 68, 2187-2197.	3.3	22
35	The effect of nanoclay and MWNT on fire-retardancy and mechanical properties of unsaturated polyester resins. <i>Journal of Applied Polymer Science</i> , 2012, 124, 1154-1159.	2.6	9
36	Synthesis of latex based antibacterial acrylate polymer/nanosilver via in situ miniemulsion polymerization. <i>Macromolecular Research</i> , 2011, 19, 243-249.	2.4	39

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37	Preparation and Rheological Properties of Functionalized Multiwalled Carbon Nanotube/Waterborne Polyurethane Nanocomposites. <i>Journal of Macromolecular Science - Physics</i> , 2011, 50, 1834-1846.	1.0	7
38	Investigating the Uni-HEUR thickener performance considering hydrophilic segment length. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 364, 105-108.	4.7	17
39	Fracture Behavior of Covalently Reâ€Modified MWNT/Epoxy Nanocomposites. <i>Macromolecular Symposia</i> , 2010, 297, 219-224.	0.7	0
40	Drug Release Study of Systems Containing the Tragacanth and Collagen Composite: Release Characterization and Viscoelastic Measurements. <i>Macromolecular Symposia</i> , 2006, 239, 120-129.	0.7	12
41	Investigating the effect of hydrophobic structural parameters on the thickening properties of HEUR associative copolymers. <i>European Polymer Journal</i> , 2005, 41, 619-626.	5.4	20
42	Elastic-Like and Viscous-Like Components of the Shear Viscosity for Nearly Hard Sphere, Brownian Suspensions. <i>Journal of Colloid and Interface Science</i> , 1997, 187, 22-28.	9.4	42
43	Stress Jumps of Charged Colloidal Suspensions, Measurement of the Elastic-like and Viscous-like Stress Components. <i>Journal of Colloid and Interface Science</i> , 1995, 174, 117-123.	9.4	31
44	Assessment of Surface, Structural, and Viscoelastic Properties of Immiscible Polylactic Acid/Polyvinylidene Fluoride Blends. <i>Macromolecular Research</i> , 0, , .	2.4	1