Babak Kaffashi

List of Publications by Year
in descending order

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44	1,091	361413	395702
papers	citations	20 h-index	33 g-index

44	44	44	1547
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PCL/chitosan/Zn-doped nHA electrospun nanocomposite scaffold promotes adipose derived stem cells adhesion and proliferation. Carbohydrate Polymers, 2015, 118, 133-142.	10.2	158
2	Polylactic Acid in Medicine. Polymer-Plastics Technology and Engineering, 2015, 54, 944-967.	1.9	101
3	Preparation and Characterization of Poly L-Lactide/Triclosan Nanoparticles for Specific Antibacterial and Medical Applications. International Journal of Polymeric Materials and Polymeric Biomaterials, 2015, 64, 497-508.	3.4	71
4	Investigating composite systems based on poly l -lactide and poly l -lactide/triclosan nanoparticles for tissue engineering and medical applications. Materials Science and Engineering C, 2016, 58, 294-309.	7.3	49
5	Investigating thermal, mechanical and rheological properties of novel antibacterial hybrid nanocomposites based on PLLA/triclosan/nano-hydroxyapatite. Polymer, 2016, 90, 232-241.	3.8	45
6	In-vitro investigation and hydrolytic degradation of antibacterial nanocomposites based on PLLA/triclosan/nano-hydroxyapatite. Polymer, 2016, 83, 101-110.	3.8	44
7	Elastic-Like and Viscous-Like Components of the Shear Viscosity for Nearly Hard Sphere, Brownian Suspensions. Journal of Colloid and Interface Science, 1997, 187, 22-28.	9.4	42
8	Investigation of structure and mechanical properties of toughened poly(<scp>l</scp>â€lactide)/thermoplastic poly(ester urethane) blends. Journal of Applied Polymer Science, 2016, 133, .	2.6	40
9	Synthesis of latex based antibacterial acrylate polymer/nanosilver via in situ miniemulsion polymerization. Macromolecular Research, 2011, 19, 243-249.	2.4	39
10	Synthesis and characterization of a novel terpolymer based on <scp>L</scp>â€lactide, glycolide, and trimethylene carbonate for specific medical applications. Polymers for Advanced Technologies, 2012, 23, 565-573.	3.2	39
11	Effect of lignin removal on mechanical, thermal, and morphological properties of polylactide/starch/rice husk blend used in food packaging. Journal of Applied Polymer Science, 2014, 131, .	2.6	37
12	Effect of hydroxyapatite nano-particles on morphology, rheology and thermal behavior of poly(caprolactone)/chitosan blends. Materials Science and Engineering C, 2016, 59, 980-989.	7.3	36
13	Investigating the Effect of Treated Rice Straw in PLLA/Starch Composite: Mechanical, Thermal, Rheological, and Morphological Study. Advances in Polymer Technology, 2018, 37, 5-16.	1.7	33
14	Reinforced Poly(Îµ-caprolactone) Bimodal Foams via Phospho-Calcified Cellulose Nanowhisker for Osteogenic Differentiation of Human Mesenchymal Stem Cells. ACS Biomaterials Science and Engineering, 2018, 4, 2484-2493.	5.2	33
15	Stress Jumps of Charged Colloidal Suspensions, Measurement of the Elastic-like and Viscous-like Stress Components. Journal of Colloid and Interface Science, 1995, 174, 117-123.	9.4	31
16	Poly(Îµ-caprolactone)/triclosan loaded polylactic acid nanoparticles composite: A long-term antibacterial bionanocomposite with sustained release. International Journal of Pharmaceutics, 2016, 508, 10-21.	5.2	27
17	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. Polymer, 2016, 104, 104-114.	3.8	24
18	Preparation and characterization of reinforced poly (Îµâ€caprolactone) nanocomposites by cellulose nanowhiskers. Polymer Composites, 2020, 41, 624-632.	4.6	24

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19	Improving rheological properties of covalently MWCNT/epoxy nanocomposites via surface re-modification. Polymer Bulletin, 2012, 68, 2187-2197.	3.3	22
20	Effect of compatibilizer concentration on dynamic rheological behavior and morphology of thermoplastic starch/polypropylene blends. Journal of Applied Polymer Science, 2020, 137, 48742.	2.6	21
21	Shape memory thin films of Polyurethane: Does graphene content affect the recovery behavior of Polyurethane nanocomposites?. Polymer Composites, 2020, 41, 3376-3388.	4.6	21
22	Investigating the effect of hydrophobic structural parameters on the thickening properties of HEUR associative copolymers. European Polymer Journal, 2005, 41, 619-626.	5.4	20
23	Investigating the Uni-HEUR thickener performance considering hydrophilic segment length. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 364, 105-108.	4.7	17
24	Biodegradable polypropylene/thermoplastic starch nanocomposites incorporating halloysite nanotubes. Journal of Applied Polymer Science, 2018, 135, 45740.	2.6	17
25	Synthesis, Characterization, and Viscoelastic Behavior of Thermothickening Poly (N-Isopropylacrylamide-Methacrylicacide-Vinylpyrrolidone) Nanogels as an Injectable Biocompatible Drug Carrier. International Journal of Polymeric Materials and Polymeric Biomaterials, 2015, 64, 55-63.	3.4	15
26	Drug Release Study of Systems Containing the Tragacanth and Collagen Composite: Release Characterization and Viscoelastic Measurements. Macromolecular Symposia, 2006, 239, 120-129.	0.7	12
27	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. Polymer Testing, 2020, 91, 106757.	4.8	12
28	The effect of nanoclay and MWNT on fireâ€retardency and mechanical properties of unsaturated polyester resins. Journal of Applied Polymer Science, 2012, 124, 1154-1159.	2.6	9
29	Synthesis and characterization of a novel solvent-free dextran-HEMA-PNIPAM thermosensitive nanogel. Journal of Macromolecular Science - Pure and Applied Chemistry, 2016, 53, 68-74.	2.2	8
30	Preparation and Rheological Properties of Functionalized Multiwalled Carbon Nanotube/Waterborne Polyurethane Nanocomposites. Journal of Macromolecular Science - Physics, 2011, 50, 1834-1846.	1.0	7
31	Evaluation of melt rheology of lactose-filled polyethylene glycol composites by means of capillary rheometery. Pharmaceutical Development and Technology, 2013, 18, 98-105.	2.4	6
32	Rheological evaluation of wet masses for the preparation of pharmaceutical pellets by capillary and rotational rheometers. Pharmaceutical Development and Technology, 2013, 18, 112-120.	2.4	6
33	Shape memory thin films of polyurethane: Synthesis, characterization, and recovery behavior. Journal of Applied Polymer Science, 2020, 137, 49547.	2.6	6
34	Synergetic effects of PVP/HEC polymers on rheology and stability of polymeric solutions for enhanced oil recovery at harsh reservoirs. Journal of Petroleum Science and Engineering, 2022, 215, 110619.	4.2	4
35	Bionanocomposites with enhanced antimicrobial activity and photodegradability based on low density polyethylene and nano TiO2/organoclay. E-Polymers, 2014, 14, 43-55.	3.0	3
36	Rheological evaluation of synthesized templateâ€hydrophobically modified acrylamide based copolymers in brine. Journal of Applied Polymer Science, 2016, 133, .	2.6	3

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37	Synthesis and Physicochemical Characterization of pH- and Thermosensitive Nanopolymers Based on N-isopropylacrylamide Containing Doxorubicin Anti-Cancer Agent. International Journal of Green Nanotechnology, 2012, 4, 389-393.	0.3	2
38	Investigation of cure advancement in dual-cure polyurethane-acrylate coatings over metal substrates. Journal of Coatings Technology Research, 2018, 15, 527-534.	2.5	2
39	Probing the effect of graphene surface chemistry on compatibility, crystallinity, and viscoelastic response of polylactic acid/polyvinylidene fluoride blends. Materials Today Communications, 2022, 30, 103188.	1.9	2
40	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. Journal of Coatings Technology Research, 2013, 10, 727-731.	2.5	1
41	Determination of molecular orientation using molecular dynamics for polymer melt flows in circular ducts. Polymer Engineering and Science, 2015, 55, 1196-1202.	3.1	1
42	Assessment of Surface, Structural, and Viscoelastic Properties of Immiscible Polylactic Acid/Polyvinylidene Fluoride Blends. Macromolecular Research, 0, , .	2.4	1
43	Fracture Behavior of Covalently Reâ€Modified MWNT/Epoxy Nanocomposites. Macromolecular Symposia, 2010, 297, 219-224.	0.7	0
44	Rheological properties and crystallization behavior of modified polylactic acid using lauroyl peroxide and glycidyl methacrylate. Journal of Applied Polymer Science, 2021, 138, 49924.	2.6	0