

Shervin Ahmadi

List of Publications by Year in descending order

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53
papers

933
citations

516215

16
h-index

500791

28
g-index

53
all docs

53
docs citations

53
times ranked

1033
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of nanosilica on mechanical, thermal and morphological properties of epoxy coating. <i>Progress in Organic Coatings</i> , 2012, 75, 543-548.	1.9	113
2	PdCl ₂ on modified poly(styrene-co-maleic anhydride): A highly active and recyclable catalyst for the Suzuki-Miyaura and Sonogashira reactions. <i>Journal of Molecular Catalysis A</i> , 2014, 394, 74-82.	4.8	86
3	In situ prepared copper nanoparticles on modified KIT-5 as an efficient recyclable catalyst and its applications in click reactions in water. <i>Journal of Molecular Catalysis A</i> , 2015, 402, 100-108.	4.8	83
4	Strategies for Producing Improved Oxygen Barrier Materials Appropriate for the Food Packaging Sector. <i>Food Engineering Reviews</i> , 2020, 12, 346-363.	3.1	56
5	The Effects of Hydrophilic Polymer and Soil Salinity on Corn Growth in Sandy and Loamy Soils. <i>Clean - Soil, Air, Water</i> , 2010, 38, 584-591.	0.7	54
6	Polyamide/Carbon Nanoparticles Nanocomposites: A Review. <i>Polymer Engineering and Science</i> , 2017, 57, 475-494.	1.5	45
7	In situ prepared CuI nanoparticles on modified poly(styrene-co-maleic anhydride): an efficient and recyclable catalyst for the azide-alkyne click reaction in water. <i>Transition Metal Chemistry</i> , 2014, 39, 593-601.	0.7	44
8	Copper(II) nanoparticles: an efficient and reusable catalyst in green oxidation of benzyl alcohols to benzaldehydes in water. <i>Applied Organometallic Chemistry</i> , 2016, 30, 823-830.	1.7	35
9	Strategies for controlling release of plastic compounds into foodstuffs based on application of nanoparticles and its potential health issues. <i>Trends in Food Science and Technology</i> , 2019, 90, 1-12.	7.8	27
10	Synthesis and properties of novel reusable nano-ordered KIT-5-N-sulfamic acid as a heterogeneous catalyst for solvent-free synthesis of 2,4,5-triaryl-1 H-imidazoles. <i>Chemical Papers</i> , 2016, 70, .	1.0	24
11	Preparation of novel nano-based films impregnated by potassium permanganate as ethylene scavengers: An optimization study. <i>Polymer Testing</i> , 2021, 93, 106934.	2.3	22
12	Enhanced thermo-oxidative stability through covalent attachment of hindered phenolic antioxidant on surface functionalized polypropylene. <i>Polymer</i> , 2018, 138, 41-48.	1.8	21
13	Investigating the effect of chitosan, nanopackaging, and modified atmosphere packaging on physical, chemical, and mechanical properties of button mushroom during storage. <i>Food Science and Nutrition</i> , 2020, 8, 224-236.	1.5	20
14	Manipulating the morphology of PA6/POE blends using graphene to achieve balanced electrical and mechanical properties. <i>Composites Science and Technology</i> , 2020, 200, 108412.	3.8	20
15	Reactively compatibilized and dynamically vulcanized thermoplastic elastomers based on high-density polyethylene and reclaimed rubber. <i>Polymer Science - Series B</i> , 2017, 59, 362-371.	0.3	19
16	Copper Nanoparticles in Polyvinyl Alcohol-Acrylic Acid Matrix: An Efficient Heterogeneous Catalyst for the Regioselective Synthesis of 1,4-Disubstituted 1,2,3-Triazoles via Click Reaction. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1457-1467.	1.9	18
17	In situ preparation and characterization of novel CuI-functionalized poly[(methyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 synthesis of 1,2,3-triazoles via click reaction: Experimental and computational chemistry. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4967.	1.7	17
18	Radiation attenuation capability and flow characteristics of HDPE composite loaded with W, MoS ₂ , and B ₄ C. <i>Polymer Composites</i> , 2019, 40, 149-158.	2.3	17

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19	Covalent immobilization of phenolic antioxidant on Ethylene copolymers: An efficient approach toward enhanced long-term stabilization of polypropylene. <i>Polymer</i> , 2016, 104, 31-39.	1.8	13
20	Investigation of polyethylene-grafted-maleic anhydride presence as a compatibilizer on various properties of nanocomposite films based on polyethylene/ethylene vinyl alcohol/ nanoclay. <i>Polymers for Advanced Technologies</i> , 2017, 28, 449-462.	1.6	12
21	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.	2.3	12
22	Effects of hexamethylenediisocyanate coupling agent on physical, mechanical, and thermal properties of wood plastic composites. <i>Journal of Reinforced Plastics and Composites</i> , 2014, 33, 1294-1304.	1.6	10
23	(Corn Starch and Montmorillonite Nanocomposite)-Reinforced Polypropylene: Preparation, Properties, and Biodegradability. <i>Journal of Vinyl and Additive Technology</i> , 2014, 20, 16-23.	1.8	10
24	Effect of Fillers on the Fire Retardant Properties of Intumescent Polypropylene Compounds. <i>Polymers and Polymer Composites</i> , 2008, 16, 315-322.	1.0	9
25	The effect of temperature and type of peroxide on graphene synthesized by improved Hummers's™ method. <i>International Nano Letters</i> , 2016, 6, 211-214.	2.3	9
26	The effect of high-density polyethylene active packages containing rosemary extract powder on oxidative stability of sunflower oil. <i>Journal of Food Measurement and Characterization</i> , 2019, 13, 2910-2920.	1.6	9
27	Mixing of hindered amine-grafted polyolefin elastomers with LDPE to enhance its long-term weathering and photo-stability. <i>Polymer Degradation and Stability</i> , 2022, 198, 109882.	2.7	9
28	Effects of molecular weight on the dynamic mechanical and rheological properties of anionically polymerized polyamide 6 containing nanofiber. <i>Journal of Vinyl and Additive Technology</i> , 2010, 16, n/a-n/a.	1.8	8
29	Evaluating the potential of nanoparticles for controlling zinc stearate release from low-density polyethylene into food simulants. <i>Packaging Technology and Science</i> , 2019, 32, 175-183.	1.3	8
30	Effect of Graphene Nanosheets on the Morphology, Crystallinity, and Thermal and Electrical Properties of Super Tough Polyamide 6 Using SEBS Compounds. <i>Journal of Chemistry</i> , 2015, 2015, 1-6.	0.9	7
31	A new amino silane coupling agent for old corrugated container fibers/high density polyethylene composites. <i>Polymer Composites</i> , 2018, 39, 2054-2064.	2.3	7
32	The effect of MWCNT on dynamic mechanical properties and crystallinity of in situ polymerized polyamide 12 nanocomposite. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2134-2146.	1.6	7
33	A model study on the migration of Irganox 1010 from low density polyethylene into a fatty food simulant as a function of incorporated spherical and plate-like nanoparticles. <i>Food Packaging and Shelf Life</i> , 2019, 22, 100333.	3.3	7
34	Effect of Alumina Trihydrate and Borax on Fire Retardancy and Mechanical Properties of High Density Polyethylene (Hdpe) Compounds. <i>Polymers and Polymer Composites</i> , 2010, 18, 113-122.	1.0	6
35	Effect of different blend compositions on properties of low-density polyethylene/ethylene vinyl alcohol/clay toward high oxygen barrier nanocomposite films. <i>Polymer Science - Series A</i> , 2017, 59, 533-542.	0.4	6
36	Rheological/thermal properties of poly(ethylene terephthalate) modified by chain extenders of pyromellitic dianhydride and pentaerythritol. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49917.	1.3	6

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37	In depth investigation of the accelerated ring opening polymerization of L-lactide. <i>Polymer Science - Series B</i> , 2014, 56, 728-735.	0.3	5
38	Polyolefin elastomer grafted unsaturated hindered phenol esters: synthesis and antioxidant behavior. <i>Designed Monomers and Polymers</i> , 2016, 19, 569-576.	0.7	5
39	Bulk copolymerization of 1,3,5-trioxane and 1,3-dioxolane in presence of phosphotungstic acid catalyst and tetrahydrofuran as retarder: crystallinity and thermal properties. <i>Designed Monomers and Polymers</i> , 2016, 19, 361-368.	0.7	5
40	Anionic copolymerization of nylon 6/12: A comprehensive review. <i>Polymer Engineering and Science</i> , 2019, 59, 1529-1543.	1.5	5
41	Combination of polymer and halloysite chemistry for development of a novel catalytic hybrid system. <i>Research on Chemical Intermediates</i> , 2019, 45, 4349-4366.	1.3	5
42	Structure architecture and morphology changes study in nylon 6/12 copolymers through anionic copolymerization via Response Surface Methodology modeling. <i>Polymer</i> , 2020, 188, 122093.	1.8	5
43	Migration of Irganox 1010, Irganox 1076, and Titanium dioxide into Doogh and corresponding food simulants from laminated packaging. <i>Journal of Environmental Health Science & Engineering</i> , 2022, 20, 363-373.	1.4	5
44	Supertough (Polyamide 6)/(acrylonitrile butadiene rubber) nano alloy through in situ polymerization of caprolactam in the presence of acrylonitrile butadiene rubber nanophase. <i>Journal of Vinyl and Additive Technology</i> , 2015, 21, 116-121.	1.8	4
45	In situ polymerization of ϵ -caprolactam in the presence of polyester polyol and nanosilica toward amorphous polyamide6/SiO ₂ nanocomposite. <i>Iranian Polymer Journal (English Edition)</i> , 2015, 24, 945-952.	1.3	4
46	Evaluation of PE/POE/PA6 blends containing silica and clay toward nano composite packaging film. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 2297-2308.	1.6	3
47	Long chain branching of polyethylene terephthalate: Rheological/thermal properties of polyethylene terephthalate/carbon nanotube nanocomposite. <i>Polymer Engineering and Science</i> , 2022, 62, 2322-2334.	1.5	3
48	Comparing effects of two tri-block copolymers on morphology, thermal, mechanical and rheological properties of polystyrene/low density polyethylene blends. <i>Materials Research Express</i> , 2018, 5, 085305.	0.8	2
49	Thermal stabilization of polyoxymethylene by copolymerization and modified phenolic stabilizer: examining the effects of catalyst, retardant, and stabilizer. <i>Polymer-Plastics Technology and Materials</i> , 2021, 60, 1203-1219.	0.6	2
50	Investigation on Mechanical Properties of Occ Fiber-Hdpe Composite Containing Different Types of Coupling Agents. <i>Polymers and Polymer Composites</i> , 2015, 23, 29-36.	1.0	1
51	Rheological and electrical percolation thresholds of multi-walled carbon nanotube/in situ polymerised Nylon12 nanocomposites. <i>Micro and Nano Letters</i> , 2018, 13, 1594-1599.	0.6	1
52	Reducing the Flammability of Nylon-6 by Introducing a Fireproofing Agent during the Anionic Polymerisation of ϵ -Caprolactam. <i>International Polymer Science and Technology</i> , 2013, 40, 19-21.	0.1	1
53	Synthesis of star-shaped polyamide-6/SiO ₂ nanocomposites by in situ anionic polymerization through reactive extrusion. <i>Iranian Polymer Journal (English Edition)</i> , 2022, 31, 317.	1.3	1