

Weijun Zhen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

319
citations

9
h-index

15
g-index

51
ext. papers

403
ext. citations

3
avg, IF

4.34
L-index

#	Paper	IF	Citations
49	Effect of Vulcanization and CO Plasticization on Cell Morphology of Silicone Rubber in Temperature Rise Foaming Process. <i>Polymers</i> , 2021 , 13,	4.5	1
48	Performance and multi-scale investigation on the phase miscibility of poly(lactic acid)/amided silica nanocomposites. <i>International Journal of Biological Macromolecules</i> , 2021 , 177, 271-283	7.9	3
47	Poly(lactic acid)/vermiculite-g-polyisoprene nanocomposites based on thiol-ene click chemistry: performance, shear crystallization and Rheonaut technology analysis. <i>Polymer International</i> , 2021 , 70, 1570	3.3	0
46	Preparation of nano boron nitride-trimethylolpropane tris (3-mercaptopropionate) grafted poly (L-lactic acid) based on click chemistry and its effect on the crystallization of poly (lactic acid). <i>Reactive and Functional Polymers</i> , 2021 , 165, 104964	4.6	0
45	Effect of functionalized organic saponite on performance, crystallization and rheology of poly (lactic acid). <i>Applied Clay Science</i> , 2021 , 207, 106091	5.2	0
44	Performance, crystallization and rheological behavior of poly(lactic acid)/N-(2-hydroxyl) propyl-3-trimethyl ammonium chitosan chloride intercalated vermiculite grafted poly(acrylamide) nanocomposites. <i>Reactive and Functional Polymers</i> , 2021 , 158, 104791	4.6	4
43	Preparation, structure, and performance of poly(lactic acid)/vermiculite-poly(lactic acid)- β -cyclodextrin inclusion complex nanocomposites. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 2218-2228	3.2	0
42	The synthesis, characterization of opal-poly(methyl methacrylate) graft polymer based on ICAR-ATRP and its effect on performance of poly (lactic acid). <i>Polymer-Plastics Technology and Materials</i> , 2021 , 60, 1051-1065	1.5	2
41	Insight into glass transition temperature and mechanical properties of PVA/TRIS functionalized graphene oxide composites by molecular dynamics simulation. <i>Materials and Design</i> , 2021 , 206, 109770	8.1	5
40	Performance, interfacial compatibility testing and rheonaut technology analysis for simultaneous rheology and FTIR of poly(lactic acid)/modified saponite nanocomposites. <i>Polymer Testing</i> , 2021 , 100, 107232	4.5	5
39	Poly(lactic acid)/opal-methacryloylpropyltrimethoxysilane-polystyrene graft polymer composites: preparation, characterization, and performance. <i>Iranian Polymer Journal (English Edition)</i> , 2020 , 29, 91-102 ³	2.3	1
38	Performance, structure-property relationship and biodegradability of poly(lactic acid)/amide ammonium acetate organic vermiculite intercalation nanocomposites. <i>Polymer-Plastics Technology and Materials</i> , 2020 , 59, 702-721	1.5	1
37	Synthesis of Graphene Oxide-Polystyrene Graft Polymer Based on Reversible Addition Fragmentation Chain Transfer and Its Effect on Properties, Crystallization, and Rheological Behavior of Poly (Lactic Acid). <i>Advances in Polymer Technology</i> , 2020 , 2020, 1-16	1.9	
36	The synthesis of poly (lactic acid)-fulvic acid graft polymer and its effect on the crystallization and performance of poly (lactic acid). <i>Polymer-Plastics Technology and Materials</i> , 2019 , 58, 1875-1888	1.5	2
35	Preparation, characterization, and reaction kinetics of poly (lactic acid)/amidated graphene oxide nanocomposites based on reactive extrusion process. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	13
34	Performance, rheological behavior and enzymatic degradation of poly(lactic acid)/modified fulvic acid composites. <i>International Journal of Biological Macromolecules</i> , 2019 , 139, 181-190	7.9	6
33	Preparation and characterization of phosphorylated graphene oxide grafted with poly(L-lactide) and its effect on the crystallization, rheological behavior, and performance of poly (lactic acid). <i>Polymers for Advanced Technologies</i> , 2019 , 30, 2846-2859	3.2	5

32	The synthesis of fulvic acid thiourea amide derivatives grafted polystyrene and its effect on the crystallization and performance of poly(lactic acid). <i>Polymer Engineering and Science</i> , 2019 , 59, 1787-1798 ^{2,3}		2
31	Poly(lactic acid)/p-phenylenediamine functionalized graphene oxidized nanocomposites: Preparation, rheological behavior and biodegradability. <i>European Polymer Journal</i> , 2019 , 121, 109341	5.2	8
30	Preparation, structure-property relationships of zinc oxide pillared organic layered double hydroxides and its effect on the performance of poly (lactic acid). <i>Polymer-Plastics Technology and Materials</i> , 2019 , 58, 641-655	1.5	1
29	Preparation, characterization, structure-property relationships, and thermal degradation kinetics of poly (lactic acid)/amidated potassium hydrogen phthalate intercalated layered double hydroxides nanocomposites. <i>Polymers for Advanced Technologies</i> , 2019 , 30, 504-518	3.2	3
28	Preparation, Performance, and Kinetics of Poly(Lactic-Acid)/Amidated Benzoic Acid Intercalated Layered Double Hydroxides Nanocomposites by Reactive Extrusion Process. <i>Polymer Composites</i> , 2019 , 40, 2668-2680	3	6
27	Structure, Performance and Crystallization Behavior of Poly (Lactic Acid)/Humic Acid Amide Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2018 , 57, 1858-1872		7
26	Synthesis, characterization of layered double hydroxide-poly(methylmethacrylate) graft copolymers via activators regenerated by electron transfer for atom transfer radical polymerization and its effect on the performance of poly(lactic acid). <i>Polymers for Advanced Technologies</i> , 2018 , 29, 1765-1778	3.2	7
25	Structure and performance of poly (lactic acid)/amide ethylenediamine tetraacetic acid disodium salt intercalation layered double hydroxides nanocomposites. <i>Journal of Polymer Research</i> , 2018 , 25, 1	2.7	9
24	Preparation and performance of poly (lactic acid)/fulvic acid benzhydrazide composites. <i>Advances in Polymer Technology</i> , 2018 , 37, 2788-2798	1.9	4
23	Preparation and characterization of amidated graphene oxide and its effect on the performance of poly(lactic acid). <i>Iranian Polymer Journal (English Edition)</i> , 2018 , 27, 239-252	2.3	16
22	Preparation, Structure and Performance of Poly(lactic acid)/Poly(lactic acid)- β -Cyclodextrin Inclusion Complex-Poly(glycidyl methacrylate) Composites. <i>Macromolecular Research</i> , 2018 , 26, 215-225 ^{1,9}		6
21	Structure-property relationship, rheological behavior, and thermal degradability of poly(lactic acid)/fulvic acid amide composites. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 2192-2203	3.2	14
20	Performance and crystallization kinetics of poly (L-lactic acid) toughened by poly (D-lactic acid). <i>Advances in Polymer Technology</i> , 2018 , 37, 1592-1607	1.9	2
19	Surface Functionalization of Graphene Oxide via Activators Regenerated by Electron Transfer for Atom Transfer Radical Polymerization and Its Effect on the Performance of Poly(lactic acid). <i>Porrime</i> , 2018 , 42, 581-593	1	6
18	Preparation, performance and non-isothermal crystallization kinetics of poly(lactic acid)/amidated humic acid composites. <i>Polymer Bulletin</i> , 2018 , 75, 3753-3780	2.4	4
17	Preparation and Performance of Poly(Lactic Acid)- β -Cyclodextrin Inclusion Complex-Poly(Lactic Acid) Multibranched Polymers by the Reactive Extrusion Process. <i>Polymer-Plastics Technology and Engineering</i> , 2018 , 57, 836-849		4
16	Synthesis, Characterization of Fulvic Acid Poly(Methylmethacrylate) Graft Copolymers Based on Surface-Initiated Atom Transfer Radical Polymerization and its Effect on Performance of Poly(Lactic Acid). <i>Polymer-Plastics Technology and Engineering</i> , 2017 , 56, 1801-1812		7
15	Preparation and characterization of benzoyl-hydrazide-derivatized poly(lactic acid) and β -cyclodextrin inclusion complex and its effect on the performance of poly(lactic acid). <i>Polymers for Advanced Technologies</i> , 2017 , 28, 1617-1628	3.2	9

14	Structure and properties of poly(lactic acid)/poly(lactic acid)- β -cyclodextrin inclusion compound composites. <i>Journal of Polymer Engineering</i> , 2017 , 37, 897-909	1.4	1
13	Structure, properties and rheological behavior of thermoplastic poly(lactic acid)/quaternary fulvic acid-intercalated saponite nanocomposites. <i>Polymer Bulletin</i> , 2016 , 73, 1015-1035	2.4	11
12	Synthesis, characterization, and thermal stability of poly (lactic acid)/zinc oxide pillared organic saponite nanocomposites via ring-opening polymerization of d, l-lactide. <i>Polymers for Advanced Technologies</i> , 2016 , 27, 606-614	3.2	10
11	Performance and Structure Characterization of Poly(lactic acid)/Zinc Oxide Pillared Organic Saponite Nanocomposites by Solution Intercalation. <i>Porrime</i> , 2016 , 40, 167	1	3
10	Structure and properties of quaternary fulvic acid β -intercalated saponite/poly(lactic acid) nanocomposites. <i>Applied Clay Science</i> , 2015 , 109-110, 136-142	5.2	25
9	Preparation and properties of polylactic acid/N-(2-hydroxyl) propyl-3-trimethyl ammonium chitosan chloride-intercalated saponite nanocomposites. <i>Iranian Polymer Journal (English Edition)</i> , 2015 , 24, 243-252	2.3	9
8	The effects of structure of inclusion complex between β -cyclodextrin and poly(L-lactic acid) on its performance. <i>Macromolecular Research</i> , 2015 , 23, 1103-1111	1.9	12
7	Enhancement of Mechanical and Antimicrobial Properties of Thermoplastic Poly(lactic acid)/Quaternized Chitosan-Saponite Nanocomposites. <i>Porrime</i> , 2015 , 39, 601	1	6
6	In situ intercalation green polymerization, characterization, and kinetics of poly(lactic acid)/zinc oxide pillared saponite nanocomposites. <i>Polymer Composites</i> , 2014 , 35, 1023-1030	3	9
5	Polymethylmethacrylate grafting onto polyvinyl alcohol/modified feldspar composites: preparation, properties and structure characterization. <i>Iranian Polymer Journal (English Edition)</i> , 2014 , 23, 375-386	2.3	4
4	Properties, Structure and Crystallization of Poly Lactic Acid/Zinc Oxide Pillared Organic Saponite Nanocomposites. <i>Porrime</i> , 2014 , 38, 299-306	1	7
3	Surface modification of thermoplastic poly(vinyl alcohol)/saponite nanocomposites via surface-initiated atom transfer radical polymerization enhanced by air dielectric discharges barrier plasma treatment. <i>Applied Surface Science</i> , 2012 , 258, 6969-6976	6.7	22
2	Structure and properties of thermoplastic saponite/poly(vinyl alcohol) nanocomposites. <i>Applied Clay Science</i> , 2012 , 57, 64-70	5.2	36
1	Preparation, crystallization and thermo-oxygen degradation kinetics of poly(lactic acid)/fulvic acid-g-poly(isoprene) grafting polymer composites. <i>Polymer Bulletin</i> , 1	2.4	0