Weijun Zhen

List of Publications by Year
in descending order

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51 papers	477 citations	840585 11 h-index	839398 18 g-index
51 all docs	51 docs citations	51 times ranked	358 citing authors

#	Article	IF	Citations
1	Preparation, crystallization and thermo-oxygen degradation kinetics of poly(lactic acid)/fulvic acid-g-poly(isoprene) grafting polymer composites. Polymer Bulletin, 2022, 79, 3155-3174.	1.7	2
2	Performance, crystallization and rheological behavior of poly(lactic acid)/N-(2-hydroxyl) propyl-3-trimethyl ammonium chitosan chloride intercalated vermiculite grafted poly(acrylamide) nanocomposites. Reactive and Functional Polymers, 2021, 158, 104791.	2.0	9
3	Preparation, structure, and performance of poly(lactic acid)/vermiculiteâ€poly(lactic acid)â€Î²â€cyclodextrin inclusion complex nanocomposites. Polymers for Advanced Technologies, 2021, 32, 2218-2228.	1.6	2
4	The synthesis, characterization of opal-poly(methyl methacrylate) graft polymer based on ICAR-ATRP and its effect on performance of poly (lactic acid). Polymer-Plastics Technology and Materials, 2021, 60, 1051-1065.	0.6	3
5	Performance and multi-scale investigation on the phase miscibility of poly(lactic acid)/amided silica nanocomposites. International Journal of Biological Macromolecules, 2021, 177, 271-283.	3.6	17
6	Poly(lactic acid)/vermiculiteâ€gâ€polyisoprene nanocomposites based on thiolâ€ene click chemistry: performance, shear crystallization and Rheonaut technology analysis. Polymer International, 2021, 70, 1570-1581.	1.6	4
7	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). Reactive and Functional Polymers, 2021, 165, 104964.	2.0	2
8	Effect of functionalized organic saponite on performance, crystallization and rheology of poly (lactic acid). Applied Clay Science, 2021, 207, 106091.	2.6	9
9	Insight into glass transition temperature and mechanical properties of PVA/TRIS functionalized graphene oxide composites by molecular dynamics simulation. Materials and Design, 2021, 206, 109770.	3.3	19
10	Performance, interfacial compatibility testing and rheonaut technology analysis for simultaneous rheology and FTIR of poly(lactic acid)/modified saponite nanocomposites. Polymer Testing, 2021, 100, 107232.	2.3	15
11	Effect of Vulcanization and CO2 Plasticization on Cell Morphology of Silicone Rubber in Temperature Rise Foaming Process. Polymers, 2021, 13, 3384.	2.0	3
12	Poly(lactic acid)/opal-methacryloylpropyltrimethoxysilane-polystyrene graft polymer composites: preparation, characterization, and performance. Iranian Polymer Journal (English Edition), 2020, 29, 91-102.	1.3	2
13	Performance, structure-property relationship and biodegradability of poly(lactic acid)/amide ammonium acetate organic vermiculite intercalation nanocomposites. Polymer-Plastics Technology and Materials, 2020, 59, 702-721.	0.6	2
14	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) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.8	1
15	Performance, rheological behavior and enzymatic degradation of poly(lactic acid)/modified fulvic acid composites. International Journal of Biological Macromolecules, 2019, 139, 181-190.	3.6	14
16	Preparation and characterization of phosphorylated graphene oxide grafted with poly(Lâ€lactide) and its effect on the crystallization, rheological behavior, and performance of poly (lactic acid). Polymers for Advanced Technologies, 2019, 30, 2846-2859.	1.6	9
17	The synthesis of fulvic acidâ€"thiourea amide derivates grafted polystyrene and its effect on the crystallization and performance of poly(lactic acid). Polymer Engineering and Science, 2019, 59, 1787-1798.	1.5	3
18	The synthesis of poly (lactic acid)-fulvic acid graft polymer and its effect on the crystallization and performance of poly (lactic acid). Polymer-Plastics Technology and Materials, 2019, 58, 1875-1888.	0.6	3

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19	Preparation, characterization, and reaction kinetics of poly (lactic acid)/amidated graphene oxide nanocomposites based on reactive extrusion process. Journal of Polymer Research, 2019, 26, 1.	1.2	18
20	Poly(lactic acid)/p-phenylenediamine functionalized graphene oxidized nanocomposites: Preparation, rheological behavior and biodegradability. European Polymer Journal, 2019, 121, 109341.	2.6	11
21	Preparation, structure-property relationships of zinc oxide pillared organic layered double hydroxides and its effect on the performance of poly (lactic acid). Polymer-Plastics Technology and Materials, 2019, 58, 641-655.	0.6	1
22	Preparation, characterization, structureâ€property relationships, and thermal degradation kinetics of poly (lactic acid)/amidated potassium hydrogen phthalate intercalated layered double hydroxides nanocomposites. Polymers for Advanced Technologies, 2019, 30, 504-518.	1.6	9
23	Preparation, Performance, and Kinetics of Poly(Lacticâ€Acid)/Amidated Benzoic Acid Intercalated Layered Double Hydroxides Nanocomposites by Reactive Extrusion Process. Polymer Composites, 2019, 40, 2668-2680.	2.3	10
24	Structure, Performance and Crystallization Behavior of Poly (Lactic Acid)/Humic Acid Amide Composites. Polymer-Plastics Technology and Engineering, 2018, 57, 1858-1872.	1.9	10
25	Synthesis, characterization of layered double hydroxideâ€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). Polymers for Advanced Technologies, 2018, 29, 1765-1778.	1.6	11
26	Structure and performance of poly (lactic acid)/amide ethylenediamine tetraacetic acid disodium salt intercalation layered double hydroxides nanocomposites. Journal of Polymer Research, 2018, 25, 1.	1.2	12
27	Preparation and performance of poly (lactic acid)/fulvic acid benzhydrazide composites. Advances in Polymer Technology, 2018, 37, 2788-2798.	0.8	6
28	Preparation and characterization of amidated graphene oxide and its effect on the performance of poly(lactic acid). Iranian Polymer Journal (English Edition), 2018, 27, 239-252.	1.3	18
29	Preparation, Structure and Performance of Poly(lactic acid)/Poly(lactic acid)-Î³-Cyclodextrin Inclusion Complex-Poly(glycidyl methacrylate) Composites. Macromolecular Research, 2018, 26, 215-225.	1.0	8
30	Structureâ€property relationship, rheological behavior, and thermal degradability of poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	1.6	18
31	Performance and crystallization kinetics of poly (Lâ€lactic acid) toughened by poly (Dâ€lactic acid). Advances in Polymer Technology, 2018, 37, 1592-1607.	0.8	4
32	Preparation, performance and non-isothermal crystallization kinetics of poly(lactic acid)/amidated humic acid composites. Polymer Bulletin, 2018, 75, 3753-3780.	1.7	11
33	Preparation and Performance of Poly(Lactic Acid)-Î³-Cyclodextrin Inclusion Complex-Poly(Lactic) Tj ETQq1 1 0.784314 rgBT /Over Engineering, 2018, 57, 836-849.	1.9	6
34	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). Porrime, 2018, 42, 581-593.	0.0	6
35	Synthesis, Characterization of Fulvic Acidâ€"Poly(Methylmethacrylate) Graft Copolymers Based on Surface-Initiated Atom Transfer Radical Polymerization and its Effect on Performance of Poly(Lactic) Tj ETQq1 1 0.784314 rgBT /Overlo	1.9	3
36	Preparation and characterization of benzoylâ€hydrazideâ€derivatized poly(lactic acid) and Î³â€cyclodextrin inclusion complex and its effect on the performance of poly(lactic acid). Polymers for Advanced Technologies, 2017, 28, 1617-1628.	1.6	10

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37	Structure and properties of poly(lactic acid)/poly(lactic acid)-Î±-cyclodextrin inclusion compound composites. Journal of Polymer Engineering, 2017, 37, 897-909.	0.6	2
38	Preparation, the Chain-extending Reaction Kinetics and Thermal Degradation of Poly(D-lactide) by Reactive Extrusion Process. Porrime, 2017, 41, 902-914.	0.0	1
39	Structure, properties and rheological behavior of thermoplastic poly(lactic acid)/quaternary fulvic acid-intercalated saponite nanocomposites. Polymer Bulletin, 2016, 73, 1015-1035.	1.7	14
40	Synthesis, characterization, and thermal stability of poly (lactic acid)/zinc oxide pillared organic saponite nanocomposites via ring-opening polymerization of<scp>d</scp>,<scp>l</scp>-lactide. Polymers for Advanced Technologies, 2016, 27, 606-614.	1.6	11
41	Performance and Structure Characterization of Poly(lactic acid)/Zinc Oxide Pillared Organic Saponite Nanocomposites by Solution Intercalation. Porrime, 2016, 40, 167.	0.0	3
42	The effects of structure of inclusion complex between Î²-cyclodextrin and poly(L-lactic acid) on its performance. Macromolecular Research, 2015, 23, 1103-1111.	1.0	13
43	Structure and properties of quaternary fulvic acidâ€"intercalated saponite/poly(lactic acid) nanocomposites. Applied Clay Science, 2015, 109-110, 136-142.	2.6	32
44	Preparation and properties of polylactic acid/N-(2-hydroxyl) propyl-3-trimethyl ammonium chitosan chloride-intercalated saponite nanocomposites. Iranian Polymer Journal (English Edition), 2015, 24, 243-252.	1.3	10
45	Enhancement of Mechanical and Antimicrobial Properties of Thermoplastic Poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 42	0.0	6
46	In situ intercalation green polymerization, characterization, and kinetics of poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	2.3	9
47	Polymethylmethacrylate grafting onto polyvinyl alcohol/modified feldspar composites: preparation, properties and structure characterization. Iranian Polymer Journal (English Edition), 2014, 23, 375-386.	1.3	4
48	Properties, Structure and Crystallization of Poly Lactic Acid/Zinc Oxide Pillared Organic Saponite Nanocomposites. Porrime, 2014, 38, 299-306.	0.0	7
49	Surface modification of thermoplastic poly(vinyl alcohol)/saponite nanocomposites via surface-initiated atom transfer radical polymerization enhanced by air dielectric discharges barrier plasma treatment. Applied Surface Science, 2012, 258, 6969-6976.	3.1	24
50	Structure and properties of thermoplastic saponite/poly(vinyl alcohol) nanocomposites. Applied Clay Science, 2012, 57, 64-70.	2.6	43
51	Preparation, Crystallization Behavior, Simultaneous Spectroscopic and Rheological Characterization of Polyphenylene Sulfide/Graphene Quantum Dots Nanocomposites. Macromolecular Chemistry and Physics, 0, , 2200149.	1.1	2