Weijun Zhen

List of Publications by Year
in descending order

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		840585	839398
51	477	11	18
papers	citations	h-index	g-index

51	51	51	358
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure and properties of thermoplastic saponite/poly(vinyl alcohol) nanocomposites. Applied Clay Science, 2012, 57, 64-70.	2.6	43
2	Structure and properties of quaternary fulvic acidâ€“intercalated saponite/poly(lactic acid) nanocomposites. Applied Clay Science, 2015, 109-110, 136-142.	2.6	32
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. Applied Surface Science, 2012, 258, 6969-6976.	3.1	24
4	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
5	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
6	Structureâ€property relationship, rheological behavior, and thermal degradability of poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	1.6	18
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	Preparation, performance and non-isothermal crystallization kinetics of poly(lactic acid)/amidated humic acid composites. Polymer Bulletin, 2018, 75, 3753-3780.	1.7	11
17	Poly(lactic acid)/p-phenylenediamine functionalized graphene oxidized nanocomposites: Preparation, rheological behavior and biodegradability. European Polymer Journal, 2019, 121, 109341.	2.6	11
18	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

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19	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
20	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
21	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
22	In situ intercalation green polymerization, characterization, and kinetics of poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	2.3	9
23	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
24	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
25	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
26	Effect of functionalized organic saponite on performance, crystallization and rheology of poly (lactic acid). Applied Clay Science, 2021, 207, 106091.	2.6	9
27	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 /Overl	1.9	8
28	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
29	Properties, Structure and Crystallization of Poly Lactic Acid/Zinc Oxide Pillared Organic Saponite Nanocomposites. Porrime, 2014, 38, 299-306.	0.0	7
30	Preparation and performance of poly (lactic acid)/fulvic acid benzhydrazide composites. Advances in Polymer Technology, 2018, 37, 2788-2798.	0.8	6
31	Preparation and Performance of Poly(Lactic Acid)-Î³-Cyclodextrin Inclusion Complex-Poly(Lactic) Tj ETQq1 1 0.784314 rgBT /Ov Engineering, 2018, 57, 836-849.	1.9	6
32	Enhancement of Mechanical and Antimicrobial Properties of Thermoplastic Poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (aci	0.0	6
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	Performance and Structure Characterization of Poly(lactic acid)/Zinc Oxide Pillared Organic Saponite Nanocomposites by Solution Intercalation. Porrime, 2016, 40, 167.	0.0	3
41	Effect of Vulcanization and CO2 Plasticization on Cell Morphology of Silicone Rubber in Temperature Rise Foaming Process. Polymers, 2021, 13, 3384.	2.0	3
42	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
43	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
44	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
45	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
46	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
47	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
48	Preparation, Crystallization Behavior, Simultaneous Spectroscopic and Rheological Characterization of Polyphenylene Sulfide/Graphene Quantum Dots Nanocomposites. Macromolecular Chemistry and Physics, 0, , 2200149.	1.1	2
49	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
50	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		1
51	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