Wã„§ Chin-San

List of Publications by Year
in descending order

82 papers	1,941 citations	279798 23 h-index	302126 39 g-index
82 all docs	82 docs citations	82 times ranked	2358 citing authors

#	Article	IF	Citations
1	Preparation and Characterization of Polylactic Acid/Bamboo Fiber Composites. ACS Applied Bio Materials, 2022, 5, 1038-1046.	4.6	23
2	Modulation of polylactic acid nanofiber containing corn stalk waste via electrospinning: fabrication, characterization, and cytocompatibility. International Journal of Polymeric Materials and Polymeric Biomaterials, 2021, 70, 1236-1247.	3.4	3
3	Biodegradable Composite Nanofiber Containing Fish-Scale Extracts. ACS Applied Bio Materials, 2021, 4, 462-469.	4.6	12
4	Preparation, characterization, and functionality of bio-based polyhydroxyalkanoate and renewable natural fiber with waste oyster shell composites. Polymer Bulletin, 2021, 78, 4817-4834.	3.3	10
5	Preparation, characterization, and performance of bio-based polyester composites derived from renewable distillers grains and shellfish. Journal of Polymer Research, 2021, 28, 1.	2.4	5
6	Textile Fabrics Containing Recycled Poly(ethylene terephthalate), Oyster Shells, and Silica Aerogels with Superior Heat Insulation, Water Resistance, and Antibacterial Properties. ACS Applied Polymer Materials, 2021, 3, 3175-3184.	4.4	8
7	Barrier Properties and Hydrophobicity of Biodegradable Poly(lactic acid) Composites Reinforced with Recycled Chinese Spirits Distillerâ€™s Grains. Polymers, 2021, 13, 2861.	4.5	13
8	Novel composite 3D-printed filament made from fish scale-derived hydroxyapatite, eggshell and polylactic acid via a fused fabrication approach. Additive Manufacturing, 2021, 46, 102169.	3.0	12
9	Bio-based polymer nanofiber with siliceous sponge spicules prepared by electrospinning: Preparation, characterisation, and functionalisation. Materials Science and Engineering C, 2020, 108, 110506.	7.3	18
10	Antibacterial properties and cytocompatibility of biobased nanofibers of fish scale gelatine, modified polylactide, and freshwater clam shell. International Journal of Biological Macromolecules, 2020, 165, 1219-1228.	7.5	16
11	Fabrication, characterization, and application of biocomposites from poly(lactic acid) with renewable rice husk as reinforcement. Journal of Polymer Research, 2019, 26, 1.	2.4	53
12	Comparative assessment of the interface between poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and fish scales in composites: Preparation, characterization, and applications. Materials Science and Engineering C, 2019, 104, 109878.	7.3	17
13	Antibacterial Properties of Biobased Polyester Composites Achieved through Modification with a Thermally Treated Waste Scallop Shell. ACS Applied Bio Materials, 2019, 2, 2262-2270.	4.6	27
14	Rendering polypropylene biocomposites antibacterial through modification with oyster shell powder. Polymer, 2019, 160, 265-271.	3.8	61
15	Characterization, functionality and application of siliceous sponge spicules additive-based manufacturing biopolymer composites. Additive Manufacturing, 2018, 22, 13-20.	3.0	13
16	Interface design, cytocompatibility, and biological activity of astaxanthin/polyester composites. International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 564-571.	3.4	2
17	Fabrication, characterization, cytocompatibility, and biological activity of lemon fiber-filled polyester composites. International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 151-160.	3.4	3
18	Bio-Based Electrospun Nanofiber of Polyhydroxyalkanoate Modified with Black Soldier Flyâ€™s Pupa Shell with Antibacterial and Cytocompatibility Properties. ACS Applied Materials & Interfaces, 2018, 10, 42127-42135.	8.0	26

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19	Modulation of the interface between polyester and spent coffee grounds in polysaccharide membranes: Preparation, cell proliferation, antioxidant activity and tyrosinase activity. Materials Science and Engineering C, 2017, 78, 530-538.	7.3	11
20	Characterisation, biodegradability and application of palm fibre-reinforced polyhydroxyalkanoate composites. Polymer Degradation and Stability, 2017, 140, 55-63.	5.8	84
21	Polyester-based green composites for three-dimensional printing strips: preparation, characterization and antibacterial properties. Polymer Bulletin, 2017, 74, 2277-2295.	3.3	17
22	Interface design and reinforced features of arrowroot (Maranta arundinacea) starch/polyester-based membranes: Preparation, antioxidant activity, and cytocompatibility. Materials Science and Engineering C, 2017, 70, 54-61.	7.3	24
23	Modulation, functionality, and cytocompatibility of three-dimensional printing materials made from chitosan-based polysaccharide composites. Materials Science and Engineering C, 2016, 69, 27-36.	7.3	51
24	Enhanced antibacterial activity, antioxidant, andin vitrobiocompatibility of modified polycaprolactone-based membranes. International Journal of Polymeric Materials and Polymeric Biomaterials, 2016, 65, 872-880.	3.4	11
25	Characterization and Biodegradation Evaluation of Biocapsules Composed of Polyester/Natural Product Composites. Polymer-Plastics Technology and Engineering, 2016, 55, 391-402.	1.9	5
26	The Properties and a New Preparation of Ethylene Propylene Diene Monomer/Montmorillonite Nanocomposites. Polymers and Polymer Composites, 2015, 23, 181-190.	1.9	3
27	Preparation and characterisation of poly(hydroxyalkanoate)/Ganoderma lucidum fibre composites: mechanical and biological properties. Polymer Bulletin, 2015, 72, 821-837.	3.3	3
28	Preparation and characterization of functionalized graphite/poly(butylene terephthalate) composites. Polymer Bulletin, 2015, 72, 1799-1816.	3.3	12
29	Preparation, Characterisation, and Controlled-Release of Biodegradable Polyester and Marine-Algae Composite. Journal of Polymers and the Environment, 2015, 23, 356-366.	5.0	9
30	Improvement of the biocompatibility of polyhydroxyalkanoate by filling with hyaluronic acid. Journal of Materials Science, 2015, 50, 7790-7799.	3.7	9
31	Antibacterial activity and in vitro evaluation of the biocompatibility of chitosan-based polysaccharide/polyester membranes. Carbohydrate Polymers, 2015, 134, 438-447.	10.2	35
32	Renewable resource-based green composites of surface-treated spent coffee grounds and polylactide: Characterisation and biodegradability. Polymer Degradation and Stability, 2015, 121, 51-59.	5.8	90
33	Influence of modified polyester on the material properties of collagen-based biocomposites and in vitro evaluation of cytocompatibility. Materials Science and Engineering C, 2015, 48, 310-319.	7.3	17
34	Characterization and biocompatibility of chestnut shell fiberâ€“based composites with polyester. Journal of Applied Polymer Science, 2014, 131, .	2.6	15
35	Mechanical properties, biocompatibility, and biodegradation of cross-linked cellulose acetate-reinforced polyester composites. Carbohydrate Polymers, 2014, 105, 41-48.	10.2	28
36	Preparation and Characterization of Polyhydroxyalkanoate Bioplastic-Based Green Renewable Composites from Rice Husk. Journal of Polymers and the Environment, 2014, 22, 384-392.	5.0	40

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37	Aliphatic Polyester-Based Green Renewable Eco-composites from Agricultural Residues: Characterization and Assessment of Mechanical Properties. Journal of Polymers and the Environment, 2013, 21, 421-430.	5.0	8
38	Thermal properties and characterization of surface-treated RSF-reinforced polylactide composites. Polymer Bulletin, 2013, 70, 3221-3239.	3.3	17
39	Biocompatibility and characterization of renewable agricultural residues and polyester composites. Carbohydrate Polymers, 2013, 94, 584-593.	10.2	9
40	Characterization and biodegradability of agricultural residue-filled polyester ecocomposites. Polymer Bulletin, 2013, 70, 1613-1629.	3.3	7
41	Poly(3-hydroxybutyrate)/multi-walled carbon nanotubes nanocomposites: preparation and characterizations. Designed Monomers and Polymers, 2013, 16, 99-107.	1.6	14
42	Palm fibre-reinforced hybrid composites of poly(butylene succinate): characterisation and assessment of mechanical and thermal properties. Polymer Bulletin, 2013, 70, 3443-3462.	3.3	23
43	Characterization and antistatic behavior of SiO2-functionalized multiwalled carbon nanotube/poly(trimethylene terephthalate) composites. Journal of Polymer Research, 2013, 20, 1.	2.4	13
44	Assessing feasibility of promoting fertilizer utilization facilitated by controlled release of bacteria-encapsulated film bag. Designed Monomers and Polymers, 2013, 16, 303-312.	1.6	1
45	Preparation and characterizations of ternary biodegradable blends composed of polylactide, poly(Îµ-caprolactone), and wood flour. Journal of Polymer Engineering, 2012, 32, 435-444.	1.4	4
46	Polylactide-based renewable composites from natural products residues by encapsulated film bag: Characterization and biodegradability. Carbohydrate Polymers, 2012, 90, 583-591.	10.2	19
47	Characterization and antibacterial activity of chitosanâ€based composites with polyester. Polymers for Advanced Technologies, 2012, 23, 463-469.	3.2	8
48	Aliphaticâ€“aromatic polyesterâ€“polyaniline composites: preparation, characterization, antibacterial activity and conducting properties. Polymer International, 2012, 61, 1556-1563.	3.1	20
49	Polyester/cellulose acetate composites: Preparation, characterization and biocompatible. Journal of Applied Polymer Science, 2012, 126, E242.	2.6	19
50	The compatible and mechanical properties of biodegradable poly(Lactic Acid)/ethylene glycidyl methacrylate copolymer blends. Journal of Polymer Research, 2012, 19, 1.	2.4	20
51	Preparation, characterization, and biodegradability of renewable resourceâ€based composites from recycled polylactide bioplastic and sisal fibers. Journal of Applied Polymer Science, 2012, 123, 347-355.	2.6	49
52	Recycledâ€disposableâ€chopstickâ€fiberâ€reinforced polypropylene green composites. Journal of Applied Polymer Science, 2012, 123, 3046-3053.	2.6	6
53	Process, Characterization and Biodegradability of Aliphatic Aromatic Polyester/Sisal Fiber Composites. Journal of Polymers and the Environment, 2011, 19, 706-713.	5.0	20
54	Polyester/natural fiber biocomposites: preparation, characterization, and biodegradability. Polymer Bulletin, 2011, 67, 1605-1619.	3.3	20

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55	Polyester and multiwalled carbon nanotube composites: characterization, electrical conductivity and antibacterial activity. Polymer International, 2011, 60, 807-815.	3.1	11
56	Polyester biocomposites from recycled natural fibers: Characterization and biodegradability. Journal of Applied Polymer Science, 2011, 119, 1211-1219.	2.6	15
57	Performance and biodegradability of a maleated polyester bioplastic/recycled sugarcane bagasse system. Journal of Applied Polymer Science, 2011, 121, 427-435.	2.6	13
58	Antibacterial activity and antistatic composites of polyester/Agâ€šSiO₂ prepared by a solâ€“gel method. Journal of Applied Polymer Science, 2011, 121, 2193-2201.	2.6	16
59	Compatible and crystallization properties of poly(lactic acid)/poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 Td (ad	2.6	84
60	Preparation and characterization of a polycaprolactone/C₆₀ composite and its improved counterpart (PCLï£¿NH₂/C₆₀ï£¿OH). Journal of Applied Polymer Science, 2010, 115, 3489-3499.	2.6	4
61	Preparation and characterizations of polycaprolactone/green coconut fiber composites. Journal of Applied Polymer Science, 2010, 115, 948-956.	2.6	24
62	Compatible and tearing properties of poly(lactic acid)/poly(ethylene glutaricâ€coâ€terephthalate) copolyester blends. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 913-920.	2.1	13
63	The Processing and Characterization of Polyester/Natural Fiber Composites. Polymer-Plastics Technology and Engineering, 2010, 49, 1022-1029.	1.9	24
64	Promoting Fertilizer Use via Controlled Release of a Bacteria-Encapsulated Film Bag. Journal of Agricultural and Food Chemistry, 2010, 58, 6300-6305.	5.2	8
65	Biodegradable Blends Prepared from Polycaprolactone and Poly(glutamic acid): Structure, Thermal Properties, and Biodegradability. Polymer-Plastics Technology and Engineering, 2010, 49, 1361-1370.	1.9	7
66	Study on the Crystallization, Miscibility, Morphology, Properties of Poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (acid)/Poly(Î	1.9	109
67	Preparation and characterization of biodegradable polycaprolactone/multiwalled carbon nanotubes nanocomposites. Journal of Applied Polymer Science, 2009, 112, 660-668.	2.6	48
68	Synthesis and characterization of poly(trimethylene terephthalate) nanocomposites incorporating multiâ€walled carbon nanotubes. Journal of Applied Polymer Science, 2009, 114, 1633-1642.	2.6	32
69	Characterizing Biodegradation of PLA and PLAâ€gâ€AA/Starch Films Using a Phosphateâ€Solubilizing Bacillus Species. Macromolecular Bioscience, 2008, 8, 560-567.	4.1	32
70	New biodegradable blends prepared from polylactide, titanium tetraisopropylate, and starch. Journal of Applied Polymer Science, 2008, 108, 2280-2289.	2.6	39
71	Modification of biodegradable polylactide by silica and wood flour through a solâ€“gel process. Journal of Applied Polymer Science, 2008, 109, 2128-2138.	2.6	24
72	Controlled release evaluation of bacterial fertilizer using polymer composites as matrix. Journal of Controlled Release, 2008, 132, 42-48.	9.9	32

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73	Study on the Crystallization Kinetic and Characterization of Poly(lactic acid) and Poly(vinyl alcohol) Blends. Polymer-Plastics Technology and Engineering, 2008, 47, 1289-1296.	1.9	32
74	Study on the Preparation and Characterization of Biodegradable Polylactide/SiO₂â€“TiO₂Hybrids. Polymer-Plastics Technology and Engineering, 2008, 47, 887-894.	1.9	24
75	Characterizing polycaprolactone/SiO2â€“TiO2 nanocomposites synthesized via in situ solâ€“gel polymerization. Designed Monomers and Polymers, 2007, 10, 311-326.	1.6	6
76	Performance of an acrylic-acid-grafted poly(3-hydroxybutyric acid)/starch bio-blend: characterization and physical properties. Designed Monomers and Polymers, 2007, 10, 1-18.	1.6	13
77	Characterizing composite of multiwalled carbon nanotubes and POE-g-AA prepared via melting method. Journal of Applied Polymer Science, 2007, 104, 1328-1337.	2.6	15
78	Assessing biodegradability and mechanical, thermal, and morphological properties of an acrylic acid-modified poly(3-hydroxybutyric acid)/wood flours biocomposite. Journal of Applied Polymer Science, 2006, 102, 3565-3574.	2.6	44
79	Synthesis and characterization of polyethylene-octene elastomer/clay/biodegradable starch nanocomposites. Journal of Applied Polymer Science, 2005, 97, 397-404.	2.6	38
80	Improving Polylactide/Starch Biocomposites by Grafting Polylactide with Acrylic Acid - Characterization and Biodegradability Assessment. Macromolecular Bioscience, 2005, 5, 352-361.	4.1	154
81	Preparation of Poly(ethylene-octene) Elastomer/Clay/Wood Flour Nanocomposites by a Melting Method. Macromolecular Materials and Engineering, 2005, 290, 695-703.	3.6	16
82	Characterization and functionality of nanocomposite mats containing polyester, seashell, and silica aerogel using an electrospinning fabrication approach. Polymer Bulletin, 0, , 1.	3.3	1