

William J Orts

List of Publications by Year in descending order

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165
papers

9,512
citations

36303

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40979

93
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168
all docs

168
docs citations

168
times ranked

10871
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellulose nanowhiskers from coconut husk fibers: Effect of preparation conditions on their thermal and morphological behavior. <i>Carbohydrate Polymers</i> , 2010, 81, 83-92.	10.2	850
2	The 30 m Small-Angle Neutron Scattering Instruments at the National Institute of Standards and Technology. <i>Journal of Applied Crystallography</i> , 1998, 31, 430-445.	4.5	613
3	Solution blow spinning: A new method to produce micro- and nanofibers from polymer solutions. <i>Journal of Applied Polymer Science</i> , 2009, 113, 2322-2330.	2.6	528
4	Thermal, mechanical and morphological characterization of plasticized PLA/PHB blends. <i>Polymer Degradation and Stability</i> , 2012, 97, 1822-1828.	5.8	328
5	Neutron Reflectivity and Atomic Force Microscopy Studies of a Lipid Bilayer in Water Adsorbed to the Surface of a Silicon Single Crystal. <i>Langmuir</i> , 1996, 12, 1343-1350.	3.5	291
6	Enhanced Ordering of Liquid Crystalline Suspensions of Cellulose Microfibrils: A Small Angle Neutron Scattering Study. <i>Macromolecules</i> , 1998, 31, 5717-5725.	4.8	276
7	Binary and ternary blends of polylactide, polycaprolactone and thermoplastic starch. <i>Polymer</i> , 2008, 49, 599-609.	3.8	267
8	Effect of fiber treatments on tensile and thermal properties of starch/ethylene vinyl alcohol copolymers/coir biocomposites. <i>Bioresource Technology</i> , 2009, 100, 5196-5202.	9.6	261
9	Application of Cellulose Microfibrils in Polymer Nanocomposites. <i>Journal of Polymers and the Environment</i> , 2005, 13, 301-306.	5.0	248
10	Native or Raw Starch Digestion: A Key Step in Energy Efficient Biorefining of Grain. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 353-365.	5.2	203
11	Observation of temperature dependent thicknesses in ultrathin polystyrene films on silicon. <i>Physical Review Letters</i> , 1993, 71, 867-870.	7.8	200
12	Plant-based materials and transitioning to a circular economy. <i>Sustainable Production and Consumption</i> , 2019, 19, 194-215.	11.0	149
13	Volatile Flavor Components of Rice Cakes. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 4353-4356.	5.2	143
14	Cold water fish gelatin films: Effects of cross-linking on thermal, mechanical, barrier, and biodegradation properties. <i>European Polymer Journal</i> , 2008, 44, 3748-3753.	5.4	143
15	HPMC reinforced with different cellulose nano-particles. <i>Carbohydrate Polymers</i> , 2011, 86, 1549-1557.	10.2	135
16	Starch, fiber and CaCO ₃ effects on the physical properties of foams made by a baking process. <i>Industrial Crops and Products</i> , 2001, 14, 201-212.	5.2	132
17	Rheological and mechanical properties of cross-linked fish gelatins. <i>Polymer</i> , 2006, 47, 6379-6386.	3.8	131
18	Nano and submicrometric fibers of poly(D,L-lactide) obtained by solution blow spinning: Process and solution variables. <i>Journal of Applied Polymer Science</i> , 2011, 122, 3396-3405.	2.6	124

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19	Structural and Morphological Characterization of Micro and Nanofibers Produced by Electrospinning and Solution Blow Spinning: A Comparative Study. <i>Advances in Materials Science and Engineering</i> , 2013, 2013, 1-14.	1.8	124
20	Biopolymer additives to reduce erosion-induced soil losses during irrigation. <i>Industrial Crops and Products</i> , 2000, 11, 19-29.	5.2	120
21	Use of Synthetic Polymers and Biopolymers for Soil Stabilization in Agricultural, Construction, and Military Applications. <i>Journal of Materials in Civil Engineering</i> , 2007, 19, 58-66.	2.9	113
22	Rheology of starch-clay nanocomposites. <i>Carbohydrate Polymers</i> , 2005, 59, 467-475.	10.2	112
23	Encapsulation of Plant Oils in Porous Starch Microspheres. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 4180-4184.	5.2	110
24	Film Thickness Dependent Thermal Expansion in Ultrathin Poly(methyl methacrylate) Films on Silicon. <i>Macromolecules</i> , 1995, 28, 771-774.	4.8	106
25	Edible Films and Coatings: Why, What, and How?. , 2009, , 1-23.		103
26	Effect of relative humidity on the morphology of electrospun polymer fibers. <i>Canadian Journal of Chemistry</i> , 2008, 86, 590-599.	1.1	100
27	Properties of baked starch foam with natural rubber latex. <i>Industrial Crops and Products</i> , 2006, 24, 34-40.	5.2	92
28	Extruded starch-nanoclay nanocomposites: Effects of glycerol and nanoclay concentration. <i>Polymer Engineering and Science</i> , 2007, 47, 1898-1904.	3.1	88
29	Electrospun Nanofibers of Poly(vinyl alcohol) Reinforced with Cellulose Nanofibrils. <i>Journal of Biobased Materials and Bioenergy</i> , 2008, 2, 231-242.	0.3	78
30	Development of conducting polyaniline/poly(lactic acid) nanofibers by electrospinning. <i>Journal of Applied Polymer Science</i> , 2009, 112, 744-753.	2.6	77
31	Properties of starch-based foam formed by compression/explosion processing. <i>Industrial Crops and Products</i> , 2001, 13, 135-143.	5.2	75
32	Histological Structures of Cooked Rice Grain. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 7019-7023.	5.2	75
33	Preparation and Characterization of Novel Micro- and Nanocomposite Hydrogels Containing Cellulosic Fibrils. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 9433-9442.	5.2	74
34	¹³ C NMR Determination of the Degree of Cocrystallization in Random Copolymers of Poly(.beta.-hydroxybutyrate-co-.beta.-hydroxyvalerate). <i>Macromolecules</i> , 1995, 28, 6394-6400.	4.8	71
35	Analysis of Lamellar Structure in Semicrystalline Polymers by Studying the Absorption of Water and Ethylene Glycol in Nylons Using Small-Angle Neutron Scattering. <i>Macromolecules</i> , 1998, 31, 142-152.	4.8	70
36	Polyacrylamide and methylcellulose hydrogel as delivery vehicle for the controlled release of paraquat pesticide. <i>Journal of Materials Science</i> , 2010, 45, 4977-4985.	3.7	69

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37	Removal of paraquat pesticide from aqueous solutions using a novel adsorbent material based on polyacrylamide and methylcellulose hydrogels. <i>Journal of Applied Polymer Science</i> , 2009, 114, 2139-2148.	2.6	68
38	Electrically Conductive Nanocomposites Made from Cellulose Nanofibrils and Polyaniline. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 2917-2922.	0.9	66
39	Water adsorption at a polyimide/silicon wafer interface. <i>Polymer Engineering and Science</i> , 1995, 35, 1000-1004.	3.1	65
40	Biobased adhesives, gums, emulsions, and binders: current trends and future prospects. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 1972-1997.	2.6	65
41	Thermodynamics of the melting point depression in poly(β -hydroxybutyrate-co- β -hydroxyvalerate) copolymers. <i>Macromolecules</i> , 1991, 24, 6435-6438.	4.8	61
42	Methanotrophic production of polyhydroxybutyrate-co-hydroxyvalerate with high hydroxyvalerate content. <i>International Journal of Biological Macromolecules</i> , 2016, 87, 302-307.	7.5	61
43	Incorporation of poly(glycidylmethacrylate) grafted bacterial cellulose nanowhiskers in poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 49, 2062-2072.	5.4	59
44	Torrefaction of pomaces and nut shells. <i>Bioresource Technology</i> , 2015, 177, 58-65.	9.6	59
45	Blends of bacterial and synthetic poly(β -hydroxybutyrate): effect of tacticity on melting behaviour. <i>Polymer</i> , 1992, 33, 4647-4649.	3.8	58
46	Structural, Electrical, Mechanical, and Thermal Properties of Electrospun Poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382Td (acid) 3.6 57	3.6	57
47	Solution blow spun poly(lactic acid)/hydroxypropyl methylcellulose nanofibers with antimicrobial properties. <i>European Polymer Journal</i> , 2014, 54, 1-10.	5.4	57
48	Perfluoroalkyl and polyfluoroalkyl substances and their alternatives in paper food packaging. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 2596-2625.	11.7	55
49	Effects of drying temperature on barrier and mechanical properties of cold-water fish gelatin films. <i>Journal of Food Engineering</i> , 2009, 95, 327-331.	5.2	54
50	Properties of cellulose micro/nanofibers obtained from eucalyptus pulp fiber treated with anaerobic digestate and high shear mixing. <i>Cellulose</i> , 2016, 23, 1239-1256.	4.9	54
51	Polyaniline-modified cellulose nanofibrils as reinforcement of a smart polyurethane. <i>Polymer International</i> , 2011, 60, 743-750.	3.1	52
52	Effects of Processing Conditions on Nanoclay Dispersion in Starch-Clay Nanocomposites. <i>Cereal Chemistry</i> , 2006, 83, 300-305.	2.2	51
53	Extraction of ethanol with higher alcohol solvents and their toxicity to yeast. <i>Separation and Purification Technology</i> , 2008, 63, 444-451.	7.9	51
54	Agricultural Chemistry and Bioenergy. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 3892-3899.	5.2	51

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55	Solvent Extraction of Ethanol from Aqueous Solutions. I. Screening Methodology for Solvents. Industrial & Engineering Chemistry Research, 2005, 44, 6789-6796.	3.7	50
56	Torrefaction of almond shells: Effects of torrefaction conditions on properties of solid and condensate products. Industrial Crops and Products, 2016, 86, 40-48.	5.2	49
57	Redispersion and structural change evaluation of dried microfibrillated cellulose. Carbohydrate Polymers, 2021, 252, 117165.	10.2	47
58	Poly(hydroxyalkanoates): Biorefinery polymers with a whole range of applications. The work of Robert H. Marchessault. Canadian Journal of Chemistry, 2008, 86, 628-640.	1.1	45
59	Thermoformed Wheat Gluten Biopolymers. Journal of Agricultural and Food Chemistry, 2006, 54, 349-352.	5.2	43
60	Purification and Characterization of a Glycoside Hydrolase Family 43 β -xylosidase from Geobacillus thermoleovorans IT-08. Applied Biochemistry and Biotechnology, 2009, 155, 1-10.	2.9	42
61	Blends of starch with ethylene vinyl alcohol copolymers: effect of water, glycerol, and amino acids as plasticizers. Polymers for Advanced Technologies, 2007, 18, 629-635.	3.2	40
62	Hydrothermal Carbonization of Various Paper Mill Sludges: An Observation of Solid Fuel Properties. Energies, 2019, 12, 858.	3.1	38
63	Biological pretreatment of rice straw by ligninolytic <i>Bacillus</i> sp. strains for enhancing biogas production. Environmental Progress and Sustainable Energy, 2019, 38, e13036.	2.3	38
64	Modification of wheat gluten with citric acid to produce superabsorbent materials. Journal of Applied Polymer Science, 2013, 129, 3192-3197.	2.6	36
65	Renewable hybrid nanocatalyst from magnetite and cellulose for treatment of textile effluents. Carbohydrate Polymers, 2017, 163, 101-107.	10.2	35
66	Hydrogen-bond networks in linear, branched and tertiary alcohols. Chemical Engineering Science, 2007, 62, 3019-3031.	3.8	33
67	Bio-based thin films of cellulose nanofibrils and magnetite for potential application in green electronics. Carbohydrate Polymers, 2019, 207, 100-107.	10.2	33
68	Cloning of <i>Bacillus licheniformis</i> Xylanase Gene and Characterization of Recombinant Enzyme. Current Microbiology, 2008, 57, 301-305.	2.2	32
69	Countercurrent Extraction of Soluble Sugars from Almond Hulls and Assessment of the Bioenergy Potential. Journal of Agricultural and Food Chemistry, 2015, 63, 2490-2498.	5.2	31
70	Measurement of the crystallinity of poly(β -hydroxybutyrate-co- β -hydroxyvalerate) copolymers by inverse gas chromatography. Macromolecules, 1992, 25, 949-953.	4.8	30
71	Biodegradation of Thermoplastic Starch and its Blends with Poly(lactic acid) and Polyethylene: Influence of Morphology. Macromolecular Chemistry and Physics, 2011, 212, 1147-1154.	2.2	30
72	Temperature Related Structural Changes in Wheat and Corn Starch Granules and Their Effects on Gels and Dry Foam. Starch/Staerke, 2008, 60, 476-484.	2.1	29

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73	In situ laminating process for baked starch-based foams. <i>Industrial Crops and Products</i> , 2001, 14, 125-134.	5.2	27
74	Biodegradable composites based on starch/EVOH/glycerol blends and coconut fibers. <i>Journal of Applied Polymer Science</i> , 2009, 111, 612-618.	2.6	27
75	Biorefinery Developments for Advanced Biofuels from a Sustainable Array of Biomass Feedstocks: Survey of Recent Biomass Conversion Research from Agricultural Research Service. <i>Bioenergy Research</i> , 2016, 9, 430-446.	3.9	26
76	Hydration in semicrystalline polymers: Small-angle neutron scattering studies of the effect of drawing in nylon-6 fibers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1994, 32, 2695-2703.	2.1	25
77	Synthesis, Characterization and Nanocomposite Formation of Poly(glycerol succinate-co-maleate) with Nanocrystalline Cellulose. <i>Journal of Polymers and the Environment</i> , 2014, 22, 219-226.	5.0	25
78	Moderate strength lightweight concrete from organic aquagel mixtures. <i>Industrial Crops and Products</i> , 1998, 8, 123-132.	5.2	24
79	Solvent Extraction of Ethanol from Aqueous Solutions. II. Linear, Branched, and Ring-Containing Alcohol Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 6797-6803.	3.7	24
80	Solvent extraction of ethanol from aqueous solutions using biobased oils, alcohols, and esters. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2006, 83, 153-157.	1.9	24
81	Self-assembled films of cellulose nanofibrils and poly(o-ethoxyaniline). <i>Colloid and Polymer Science</i> , 2008, 286, 1265-1272.	2.1	24
82	Ethanol and water capacities of alcohols: A molecular dynamics study. <i>Chemical Engineering Science</i> , 2006, 61, 5834-5840.	3.8	23
83	Isolation of Î±-Glucuronidase Enzyme from a Rumen Metagenomic Library. <i>Protein Journal</i> , 2012, 31, 206-211.	1.6	23
84	Recycled polypropylene-polyethylene torrefied almond shell biocomposites. <i>Industrial Crops and Products</i> , 2018, 125, 425-432.	5.2	23
85	Electrospinning of Polyaniline/Poly(Lactic Acid) Ultrathin Fibers: Process and Statistical Modeling using a Non-Gaussian Approach. <i>Macromolecular Theory and Simulations</i> , 2009, 18, 528-536.	1.4	21
86	Physicochemical and morphological properties of poly(acrylamide) and methylcellulose hydrogels: Effects of monomer, crosslinker and polysaccharide compositions. <i>Polymer Engineering and Science</i> , 2009, 49, 2467-2474.	3.1	21
87	Properties of electrospun pollock gelatin/poly(vinyl alcohol) and pollock gelatin/poly(lactic acid) fibers. <i>International Journal of Biological Macromolecules</i> , 2013, 55, 214-220.	7.5	21
88	Influence of Disperse Phase Characteristics on Stability, Physical and Antimicrobial Properties of Emulsions Containing Cinnamaldehyde. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2013, 90, 233-241.	1.9	21
89	Almond hulls as a biofuels feedstock: Variations in carbohydrates by variety and location in California. <i>Industrial Crops and Products</i> , 2014, 54, 109-114.	5.2	21
90	The azidation of starch. <i>Carbohydrate Polymers</i> , 2006, 65, 529-534.	10.2	20

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91	Molecular cloning and characterization of multidomain xylanase from manure library. <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 2071-2078.	3.6	20
92	Antimicrobial Poly(lactic acid)-Based Nanofibres Developed by Solution Blow Spinning. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 616-627.	0.9	20
93	Starch-based lightweight concrete: effect of starch source, processing method, and aggregate geometry. <i>Industrial Crops and Products</i> , 1999, 9, 133-144.	5.2	19
94	Starch-based foam composite materials: Processing and bioproducts. <i>MRS Bulletin</i> , 2011, 36, 696-702.	3.5	19
95	Torrefaction kinetics of almond and walnut shells. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 3065-3075.	3.6	19
96	Density profile of spin cast polymethylmethacrylate thin films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1994, 32, 2475-2480.	2.1	18
97	Massaranduba Sawdust: A Potential Source of Charcoal and Activated Carbon. <i>Polymers</i> , 2019, 11, 1276.	4.5	18
98	Production of Glucaric Acid from Hemicellulose Substrate by Rosettasome Enzyme Assemblies. <i>Molecular Biotechnology</i> , 2016, 58, 489-496.	2.4	17
99	Air and Steam Gasification of Almond Biomass. <i>Frontiers in Energy Research</i> , 2019, 7, .	2.3	17
100	Production of polyhydroxyalkanoate copolymers containing 4-hydroxybutyrate in engineered <i>Bacillus megaterium</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 168, 86-92.	7.5	17
101	Effect of multi-branching PDLA additives on the mechanical and thermomechanical properties of blends with PLLA. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	16
102	Design and Testing of Safer, More Effective Preservatives for Consumer Products. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4320-4331.	6.7	16
103	Safer Sunscreens: Investigation of Naturally Derived UV Absorbers for Potential Use in Consumer Products. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9085-9092.	6.7	16
104	The density profile at a polymer/solid interface. <i>Polymer</i> , 1992, 33, 5081-5084.	3.8	15
105	Compression Deformation and Structural Relationships of Medium Grain Cooked Rice. <i>Cereal Chemistry</i> , 2006, 83, 636-640.	2.2	15
106	Extraction of ethanol with higher carboxylic acid solvents and their toxicity to yeast. <i>Separation and Purification Technology</i> , 2010, 72, 180-185.	7.9	15
107	Use of Microscopy To Assess Bran Removal Patterns in Milled Rice. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 6960-6965.	5.2	15
108	Modification of vital wheat gluten with phosphoric acid to produce high free swelling capacity. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	15

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109	Pilot scale high solids anaerobic digestion of steam autoclaved municipal solid waste (MSW) pulp. <i>Renewable Energy</i> , 2017, 113, 257-265.	8.9	15
110	Activated carbons prepared by physical activation from different pretreatments of amazon piassava fibers. <i>Journal of Natural Fibers</i> , 2019, 16, 961-976.	3.1	15
111	Permeability of Starch Gel Matrices and Select Films to Solvent Vapors. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 3297-3304.	5.2	14
112	In situ lamination of starch-based baked foam packaging with degradable films. <i>Packaging Technology and Science</i> , 2007, 20, 77-85.	2.8	14
113	Heat Expanded Starch-Based Compositions. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 3936-3943.	5.2	13
114	Cellulose Fiber Reinforced Starch-Based Foam Composites. <i>Journal of Biobased Materials and Bioenergy</i> , 2007, 1, 360-366.	0.3	13
115	Development of an integrated pretreatment fractionation process for fermentable sugars and lignin: Application to almond (<i>Prunus dulcis</i>) shell. <i>Biomass and Bioenergy</i> , 2011, 35, 4435-4441.	5.7	13
116	Production of D-Xylonic Acid from Hemicellulose Using Artificial Enzyme Complexes. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 77-83.	2.1	13
117	Cocrystallization in random copolymers of poly(β -2-hydroxybutyrate-co- β -2-hydroxyvalerate) and its effect on crystalline morphology. <i>Canadian Journal of Chemistry</i> , 1995, 73, 2094-2100.	1.1	12
118	Sorption and Vapor Transmission Properties of Uncompressed and Compressed Microcellular Starch Foam. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 7100-7104.	5.2	12
119	Isolation and characterization of a novel GH67 β -glucuronidase from a mixed culture. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 1245-1251.	3.0	12
120	Starch Plastic Packaging and Agriculture Applications. , 2014, , 421-452.		12
121	Wheat Starch Effects on the Textural Characteristics of Puffed Brown Rice Cakes. <i>Cereal Chemistry</i> , 2000, 77, 18-23.	2.2	11
122	Lightweight Concrete Containing an Alkaline Resistant Starch-Based Aquagel. <i>Journal of Polymers and the Environment</i> , 2004, 12, 189-196.	5.0	11
123	Wheat Proteins Extracted from Flour and Batter with Aqueous Ethanol at Subambient Temperatures. <i>Cereal Chemistry</i> , 2007, 84, 497-501.	2.2	11
124	Controlled release of 2-heptanone using starch gel and polycaprolactone matrices and polymeric films. <i>Polymers for Advanced Technologies</i> , 2007, 18, 636-642.	3.2	11
125	Starch-based nanocomposites. , 2009, , 205-251.		11
126	Biopolymer Additives for the Reduction of Soil Erosion Losses during Irrigation. <i>ACS Symposium Series</i> , 2001, , 102-116.	0.5	10

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127	Expression and Characterization of <i>Coprothermobacter proteolyticus</i> Alkaline Serine Protease. Scientific World Journal, The, 2013, 2013, 1-6.	2.1	9
128	Main Characteristics of Underexploited Amazonian Palm Fibers for Using as Potential Reinforcing Materials. Waste and Biomass Valorization, 2019, 10, 3125-3142.	3.4	9
129	Evaluation of biodegradation of polylactic acid mineral composites in composting conditions. Journal of Applied Polymer Science, 2020, 137, 48939.	2.6	9
130	Torrefied agro-industrial residue as filler in natural rubber compounds. Journal of Applied Polymer Science, 2021, 138, 50684.	2.6	9
131	An β -Glucuronidase Enzyme Activity Assay Adaptable for Solid Phase Screening. Applied Biochemistry and Biotechnology, 2009, 155, 11-17.	2.9	8
132	Torrefied biomass-polypropylene composites. Journal of Applied Polymer Science, 2015, 132, .	2.6	7
133	Synthesis and properties of water-resistant poly(glucaramides). Industrial Crops and Products, 2000, 12, 125-135.	5.2	6
134	Thermal properties of poly(ethylene terephthalate) recovered from municipal solid waste by steam autoclaving. Journal of Applied Polymer Science, 2012, 126, 1698-1708.	2.6	6
135	Leaching behavior of water-soluble carbohydrates from almond hulls. Industrial Crops and Products, 2015, 65, 488-495.	5.2	6
136	Starch. , 2012, , 5-32.		6
137	Cloning and Expression of Pectobacterium carotovorum Endo-polygalacturonase Gene in Pichia pastoris for Production of Oligogalacturonates. BioResources, 2016, 11, .	1.0	6
138	A pilot-scale steam autoclave system for treating municipal solid waste for recovery of renewable organic content: Operational results and energy usage. Waste Management and Research, 2016, 34, 457-464.	3.9	5
139	Properties of gluten foams containing different additives. Industrial Crops and Products, 2020, 152, 112511.	5.2	5
140	Changes on structural characteristics of cellulose pulp fiber incubated for different times in anaerobic digestate. Cerne, 0, 27, .	0.9	5
141	Flavor Retention and Physical Properties of Rice Cakes Prepared from Coated Rice Grain. Cereal Chemistry, 2002, 79, 387-391.	2.2	4
142	Finding the "Bio" in Biobased Products: Electrophoretic Identification of Wheat Proteins in Processed Products. Journal of Agricultural and Food Chemistry, 2010, 58, 4169-4179.	5.2	4
143	Wheat Flour Exposed to Ethanol Yields Dough with Unexpected Properties. Cereal Chemistry, 2011, 88, 509-517.	2.2	4
144	Solid lipid particles in lipid films to control the diffusive release of 2-heptanone. Pest Management Science, 2013, 69, 975-982.	3.4	4

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145	Physical Characteristics of Genetically Altered Wheat Related to Technological Protein Separation. Cereal Chemistry, 2013, 90, 1-12.	2.2	4
146	Ketalization of 2-heptanone to prolong its activity as mite repellent for the protection of honey bees. Journal of the Science of Food and Agriculture, 2019, 99, 6267-6277.	3.5	4
147	Nucleation and plasticization with recycled low-molecular-weight poly-3-hydroxybutyrate toughens virgin poly-3-hydroxybutyrate. Journal of Applied Polymer Science, 2019, 136, 47432.	2.6	4
148	Reducing Soil Erosion Losses with Small Applications of Biopolymers. ACS Symposium Series, 1999, , 235-247.	0.5	3
149	Starch Polymers. , 2005, , .		3
150	Water absorbance and thermal properties of sulfated wheat gluten films. Journal of Applied Polymer Science, 2010, 116, 2638-2644.	2.6	3
151	Ethanol in biorefining and dehydration of agricultural materials: energy, capital cost, and product quality implications. Biofuels, Bioproducts and Biorefining, 2011, 5, 37-53.	3.7	3
152	Small-Angle Neutron Scattering Studies on an Idealized Diesel Biofuel Platform. Energy & Fuels, 2017, 31, 3995-4002.	5.1	3
153	CELLULOSE SHEETS MADE FROM MICRO/NANOFIBRILLATED FIBERS OF BAMBOO, JUTE AND EUCALYPTUS CELLULOSE PULPS. Cellulose Chemistry and Technology, 2019, 53, 291-305.	1.2	3
154	Fresh fruit: microstructure, texture, and quality. , 2009, , .		2
155	Starch-lipid composites containing cinnamaldehyde. Starch/Staerke, 2012, 64, 219-228.	2.1	2
156	Biopolymer films to control <i>fusarium</i> dry rot and their application to preserve potato tubers. Journal of Applied Polymer Science, 2016, 133, .	2.6	2
157	Observation Method for the Histological Structure of Cooked Rice Kernels Using Adhesive Tape. Journal of the Japanese Society for Food Science and Technology, 2003, 50, 319-323.	0.1	1
158	Differences in Alcohol-Soluble Protein from Genetically Altered Wheat Using Capillary Zone Electrophoresis, One- and Two-Dimensional Electrophoresis, and a Novel Gluten Matrix Association Factor Analysis. Cereal Chemistry, 2013, 90, 13-23.	2.2	1
159	Fish Gelatin. , 2011, , 143-157.		1
160	Fine Structure of Starch-Clay Composites as Biopolymers. Microscopy and Microanalysis, 2008, 14, 1500-1501.	0.4	0
161	Electron microscopy as a valuable tool in designing biobased products. Microscopy and Microanalysis, 2008, 14, 1498-1499.	0.4	0
162	Microstructure of <i>Desmanthus illinoensis</i> . , 2010, , .		0

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163	Peering into the secrets of food and agricultural co-products. Proceedings of SPIE, 2010, , .	0.8	0
164	Meet our Authors. MRS Bulletin, 2011, 36, 693-694.	3.5	0
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