William J Orts

List of Publications by Citations

162 papers	7,781 citations	47 h-index	85 g-index
168 ext. papers	8,586 ext. citations	4.3 avg, IF	5.74 L-index

#	Paper	IF	Citations
162	Cellulose nanowhiskers from coconut husk fibers: Effect of preparation conditions on their thermal and morphological behavior. *Carbohydrate Polymers*, **2010**, 81, 83-92	10.3	683
161	The 30 m Small-Angle Neutron Scattering Instruments at the National Institute of Standards and Technology. *Journal of Applied Crystallography*, **1998**, 31, 430-445	3.8	544
160	Solution blow spinning: A new method to produce micro- and nanofibers from polymer solutions. *Journal of Applied Polymer Science*, **2009**, 113, 2322-2330	2.9	402
159	Neutron Reflectivity and Atomic Force Microscopy Studies of a Lipid Bilayer in Water Adsorbed to the Surface of a Silicon Single Crystal. *Langmuir*, **1996**, 12, 1343-1350	4	269
158	Thermal, mechanical and morphological characterization of plasticized PLA/PHB blends. *Polymer Degradation and Stability*, **2012**, 97, 1822-1828	4.7	262
157	Binary and ternary blends of polylactide, polycaprolactone and thermoplastic starch. *Polymer*, **2008**, 49, 599-609	3.9	243
156	Enhanced Ordering of Liquid Crystalline Suspensions of Cellulose Microfibrils: A Small Angle Neutron Scattering Study. *Macromolecules*, **1998**, 31, 5717-5725	5.5	223
155	Application of Cellulose Microfibrils in Polymer Nanocomposites. *Journal of Polymers and the Environment*, **2005**, 13, 301-306	4.5	222
154	Effect of fiber treatments on tensile and thermal properties of starch/ethylene vinyl alcohol copolymers/coir biocomposites. *Bioresource Technology*, **2009**, 100, 5196-202	11	216
153	Observation of temperature dependent thicknesses in ultrathin polystyrene films on silicon. *Physical Review Letters*, **1993**, 71, 867-870	7.4	188
152	Native or raw starch digestion: a key step in energy efficient biorefining of grain. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 353-65	5.7	172
151	Volatile flavor components of rice cakes. *Journal of Agricultural and Food Chemistry*, **1999**, 47, 4353-6	5.7	127
150	Cold water fish gelatin films: Effects of cross-linking on thermal, mechanical, barrier, and biodegradation properties. *European Polymer Journal*, **2008**, 44, 3748-3753	5.2	126
149	Rheological and mechanical properties of cross-linked fish gelatins. *Polymer*, **2006**, 47, 6379-6386	3.9	120
148	HPMC reinforced with different cellulose nano-particles. *Carbohydrate Polymers*, **2011**, 86, 1549-1557	10.3	119
147	Starch, fiber and CaCO3 effects on the physical properties of foams made by a baking process. *Industrial Crops and Products*, **2001**, 14, 201-212	5.9	116
146	Rheology of starch□lay nanocomposites. *Carbohydrate Polymers*, **2005**, 59, 467-475	10.3	106

145	Nano and submicrometric fibers of poly(D,L-lactide) obtained by solution blow spinning: Process and solution variables. *Journal of Applied Polymer Science*, **2011**, 122, 3396-3405	2.9	104
144	Film Thickness Dependent Thermal Expansion in Ultrathin Poly(methyl methacrylate) Films on Silicon. *Macromolecules*, **1995**, 28, 771-774	5.5	100
143	Encapsulation of plant oils in porous starch microspheres. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 4180-4	5.7	96
142	Use of Synthetic Polymers and Biopolymers for Soil Stabilization in Agricultural, Construction, and Military Applications. *Journal of Materials in Civil Engineering*, **2007**, 19, 58-66	3	90
141	Biopolymer additives to reduce erosion-induced soil losses during irrigation. *Industrial Crops and Products*, **2000**, 11, 19-29	5.9	87
140	Effect of relative humidity on the morphology of electrospun polymer fibers. *Canadian Journal of Chemistry*, **2008**, 86, 590-599	0.9	86
139	Extruded starch□anoclay nanocomposites: Effects of glycerol and nanoclay concentration. *Polymer Engineering and Science*, **2007**, 47, 1898-1904	2.3	85
138	Properties of baked starch foam with natural rubber latex. *Industrial Crops and Products*, **2006**, 24, 34-40	5.9	77
137	Plant-based materials and transitioning to a circular economy. *Sustainable Production and Consumption*, **2019**, 19, 194-215	8.2	75
136	Structural and Morphological Characterization of Micro and Nanofibers Produced by Electrospinning and Solution Blow Spinning: A Comparative Study. *Advances in Materials Science and Engineering*, **2013**, 2013, 1-14	1.5	73
135	Development of conducting polyaniline/poly(lactic acid) nanofibers by electrospinning. *Journal of Applied Polymer Science*, **2009**, 112, 744-753	2.9	71
134	Electrospun Nanofibers of Poly(vinyl alcohol) Reinforced with Cellulose Nanofibrils. *Journal of Biobased Materials and Bioenergy*, **2008**, 2, 231-242	1.4	69
133	Preparation and characterization of novel micro- and nanocomposite hydrogels containing cellulosic fibrils. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 9433-42	5.7	67
132	Properties of starch-based foam formed by compression/explosion processing. *Industrial Crops and Products*, **2001**, 13, 135-143	5.9	65
131	Analysis of Lamellar Structure in Semicrystalline Polymers by Studying the Absorption of Water and Ethylene Glycol in Nylons Using Small-Angle Neutron Scattering. *Macromolecules*, **1998**, 31, 142-152	5.5	63
130	13C NMR Determination of the Degree of Cocrystallization in Random Copolymers of Poly(.beta.-hydroxybutyrate-co-.beta.-hydroxyvalerate). *Macromolecules*, **1995**, 28, 6394-6400	5.5	63
129	Thermodynamics of the melting point depression in poly(□hydroxybutyrate-co-□hydroxyvalerate) copolymers. *Macromolecules*, **1991**, 24, 6435-6438	5.5	60
128	Electrically conductive nanocomposites made from cellulose nanofibrils and polyaniline. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 2917-22	1.3	59

127	Histological structures of cooked rice grain. *Journal of Agricultural and Food Chemistry*, **2003**, 51, 7019-23	5.7	59
126	Water adsorption at a polyimide/silicon wafer interface. *Polymer Engineering and Science*, **1995**, 35, 1000-1004	2.1	59
125	Edible Films and Coatings: Why, What, and How? **2009**, 1-23		58
124	Incorporation of poly(glycidylmethacrylate) grafted bacterial cellulose nanowhiskers in poly(lactic acid) nanocomposites: Improved barrier and mechanical properties. *European Polymer Journal*, **2013**, 49, 2062-2072	5.2	56
123	Polyacrylamide and methylcellulose hydrogel as delivery vehicle for the controlled release of paraquat pesticide. *Journal of Materials Science*, **2010**, 45, 4977-4985	4.3	56
122	Blends of bacterial and synthetic poly(Ehydroxybutyrate): effect of tacticity on melting behaviour. *Polymer*, **1992**, 33, 4647-4649	3.9	55
121	Removal of paraquat pesticide from aqueous solutions using a novel adsorbent material based on polyacrylamide and methylcellulose hydrogels. *Journal of Applied Polymer Science*, **2009**, 114, 2139-2148	2.9	54
120	Torrefaction of pomaces and nut shells. *Bioresource Technology*, **2015**, 177, 58-65	11	52
119	Polyaniline-modified cellulose nanofibrils as reinforcement of a smart polyurethane. *Polymer International*, **2011**, 60, 743-750	3.3	49
118	Effects of Processing Conditions on Nanoclay Dispersion in Starch-Clay Nanocomposites. *Cereal Chemistry*, **2006**, 83, 300-305	2.4	49
117	Structural, Electrical, Mechanical, and Thermal Properties of Electrospun Poly(lactic acid)/Polyaniline Blend Fibers. *Macromolecular Materials and Engineering*, **2010**, 295, 618-627	3.9	48
116	Agricultural chemistry and bioenergy. *Journal of Agricultural and Food Chemistry*, **2008**, 56, 3892-9	5.7	48
115	Biobased adhesives, gums, emulsions, and binders: current trends and future prospects. *Journal of Adhesion Science and Technology*, **2013**, 27, 1972-1997	2	47
114	Effects of drying temperature on barrier and mechanical properties of cold-water fish gelatin films. *Journal of Food Engineering*, **2009**, 95, 327-331	6	47
113	Extraction of ethanol with higher alcohol solvents and their toxicity to yeast. *Separation and Purification Technology*, **2008**, 63, 444-451	8.3	47
112	Solution blow spun poly(lactic acid)/hydroxypropyl methylcellulose nanofibers with antimicrobial properties. *European Polymer Journal*, **2014**, 54, 1-10	5.2	46
111	Solvent Extraction of Ethanol from Aqueous Solutions. I. Screening Methodology for Solvents. *Industrial & Engineering Chemistry Research*, **2005**, 44, 6789-6796	3.9	44
110	Torrefaction of almond shells: Effects of torrefaction conditions on properties of solid and condensate products. *Industrial Crops and Products*, **2016**, 86, 40-48	5.9	41

109	Purification and characterization of a glycoside hydrolase family 43 beta-xylosidase from Geobacillus thermoleovorans IT-08. *Applied Biochemistry and Biotechnology*, **2009**, 155, 304-13	3.2	41
108	Methanotrophic production of polyhydroxybutyrate-co-hydroxyvalerate with high hydroxyvalerate content. *International Journal of Biological Macromolecules*, **2016**, 87, 302-7	7.9	39
107	Poly(hydroxyalkanoates): Biorefinery polymers with a whole range of applications. The work of Robert H. Marchessault. *Canadian Journal of Chemistry*, **2008**, 86, 628-640	0.9	38
106	Thermoformed wheat gluten biopolymers. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 349-52	5.7	37
105	Properties of cellulose micro/nanofibers obtained from eucalyptus pulp fiber treated with anaerobic digestate and high shear mixing. *Cellulose*, **2016**, 23, 1239-1256	5.5	35
104	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	33
103	Cloning of Bacillus licheniformis xylanase gene and characterization of recombinant enzyme. *Current Microbiology*, **2008**, 57, 301-5	2.4	28
102	Renewable hybrid nanocatalyst from magnetite and cellulose for treatment of textile effluents. *Carbohydrate Polymers*, **2017**, 163, 101-107	10.3	27
101	Hydrogen-bond networks in linear, branched and tertiary alcohols. *Chemical Engineering Science*, **2007**, 62, 3019-3031	4.4	27
100	Modification of wheat gluten with citric acid to produce superabsorbent materials. *Journal of Applied Polymer Science*, **2013**, 129, 3192-3197	2.9	26
99	Measurement of the crystallinity of poly(□hydroxybutyrate-co-□hydroxyvalerate) copolymers by inverse gas chromatography. *Macromolecules*, **1992**, 25, 949-953	5.5	26
98	Biodegradation of Thermoplastic Starch and its Blends with Poly(lactic acid) and Polyethylene: Influence of Morphology. *Macromolecular Chemistry and Physics*, **2011**, 212, 1147-1154	2.6	25
97	Temperature Related Structural Changes in Wheat and Corn Starch Granules and Their Effects on Gels and Dry Foam. *Starch/Staerke*, **2008**, 60, 476-484	2.3	24
96	Hydrothermal Carbonization of Various Paper Mill Sludges: An Observation of Solid Fuel Properties. *Energies*, **2019**, 12, 858	3.1	23
95	Moderate strength lightweight concrete from organic aquagel mixtures. *Industrial Crops and Products*, **1998**, 8, 123-132	5.9	23
94	Ethanol and water capacities of alcohols: A molecular dynamics study. *Chemical Engineering Science*, **2006**, 61, 5834-5840	4.4	23
93	In situ laminating process for baked starch-based foams. *Industrial Crops and Products*, **2001**, 14, 125-134	5.9	23
92	Hydration in semicrystalline polymers: Small-angle neutron scattering studies of the effect of drawing in nylon-6 fibers. *Journal of Polymer Science, Part B: Polymer Physics*, **1994**, 32, 2695-2703	2.6	23

91	Biorefinery Developments for Advanced Biofuels from a Sustainable Array of Biomass Feedstocks: Survey of Recent Biomass Conversion Research from Agricultural Research Service. *Bioenergy Research*, **2016**, 9, 430-446	3.1	23
90	Self-assembled films of cellulose nanofibrils and poly(o-ethoxyaniline). *Colloid and Polymer Science*, **2008**, 286, 1265-1272	2.4	21
89	Solvent extraction of ethanol from aqueous solutions using biobased oils, alcohols, and esters. *JAOCS, Journal of the American Oil Chemistsl Society*, **2006**, 83, 153-157	1.8	21
88	Solvent Extraction of Ethanol from Aqueous Solutions. II. Linear, Branched, and Ring-Containing Alcohol Solvents. *Industrial & Engineering Chemistry Research*, **2005**, 44, 6797-6803	3.9	21
87	Bio-based thin films of cellulose nanofibrils and magnetite for potential application in green electronics. *Carbohydrate Polymers*, **2019**, 207, 100-107	10.3	21
86	Influence of Disperse Phase Characteristics on Stability, Physical and Antimicrobial Properties of Emulsions Containing Cinnamaldehyde. *JAOCS, Journal of the American Oil Chemistsl Society*, **2013**, 90, 233-241	1.8	19
85	Molecular cloning and characterization of multidomain xylanase from manure library. *World Journal of Microbiology and Biotechnology*, **2009**, 25, 2071-2078	4.4	18
84	The azidation of starch. *Carbohydrate Polymers*, **2006**, 65, 529-534	10.3	18
83	Biological pretreatment of rice straw by ligninolytic Bacillus sp. strains for enhancing biogas production. *Environmental Progress and Sustainable Energy*, **2019**, 38, e13036	2.5	18
82	Antimicrobial Poly(lactic acid)-Based Nanofibres Developed by Solution Blow Spinning. *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 616-27	1.3	17
81	Almond hulls as a biofuels feedstock: Variations in carbohydrates by variety and location in California. *Industrial Crops and Products*, **2014**, 54, 109-114	5.9	17
80	Properties of electrospun pollock gelatin/poly(vinyl alcohol) and pollock gelatin/poly(lactic acid) fibers. *International Journal of Biological Macromolecules*, **2013**, 55, 214-20	7.9	17
79	Electrospinning of Polyaniline/Poly(Lactic Acid) Ultrathin Fibers: Process and Statistical Modeling using a Non-Gaussian Approach. *Macromolecular Theory and Simulations*, **2009**, 18, 528-536	1.5	17
78	Physicochemical and morphological properties of poly(acrylamide) and methylcellulose hydrogels: Effects of monomer, crosslinker and polysaccharide compositions. *Polymer Engineering and Science*, **2009**, 49, 2467-2474	2.3	17
77	Synthesis, Characterization and Nanocomposite Formation of Poly(glycerol succinate-co-maleate) with Nanocrystalline Cellulose. *Journal of Polymers and the Environment*, **2014**, 22, 219-226	4.5	16
76	Starch-based foam composite materials: Processing and bioproducts. *MRS Bulletin*, **2011**, 36, 696-702	3.2	16
75	Countercurrent extraction of soluble sugars from almond hulls and assessment of the bioenergy potential. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 2490-8	5.7	15
74	Starch-based lightweight concrete: effect of starch source, processing method, and aggregate geometry. *Industrial Crops and Products*, **1999**, 9, 133-144	5.9	15

73	Extraction of ethanol with higher carboxylic acid solvents and their toxicity to yeast. *Separation and Purification Technology*, **2010**, 72, 180-185	8.3	14
72	Density profile of spin cast polymethylmethacrylate thin films. *Journal of Polymer Science, Part B: Polymer Physics*, **1994**, 32, 2475-2480	2.6	14
71	Compression Deformation and Structural Relationships of Medium Grain Cooked Rice. *Cereal Chemistry*, **2006**, 83, 636-640	2.4	13
70	The density profile at a polymer/solid interface. *Polymer*, **1992**, 33, 5081-5084	3.9	13
69	Redispersion and structural change evaluation of dried microfibrillated cellulose. *Carbohydrate Polymers*, **2021**, 252, 117165	10.3	13
68	Per- and polyfluoroalkyl substances and their alternatives in paper food packaging. *Comprehensive Reviews in Food Science and Food Safety*, **2021**, 20, 2596-2625	16.4	13
67	Pilot scale high solids anaerobic digestion of steam autoclaved municipal solid waste (MSW) pulp. *Renewable Energy*, **2017**, 113, 257-265	8.1	12
66	Torrefaction kinetics of almond and walnut shells. *Journal of Thermal Analysis and Calorimetry*, **2018** , 131, 3065-3075	4.1	12
65	Production of Glucaric Acid from Hemicellulose Substrate by Rosettasome Enzyme Assemblies. *Molecular Biotechnology*, **2016**, 58, 489-96	3	12
64	Effect of multi-branched PDLA additives on the mechanical and thermomechanical properties of blends with PLLA. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	12
63	Heat expanded starch-based compositions. *Journal of Agricultural and Food Chemistry*, **2007**, 55, 3936-43	5.7	12
62	In situ lamination of starch-based baked foam packaging with degradable films. *Packaging Technology and Science*, **2007**, 20, 77-85	2.3	12
61	Permeability of starch gel matrices and select films to solvent vapors. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 3297-304	5.7	12
60	Recycled polypropylene-polyethylene torrefied almond shell biocomposites. *Industrial Crops and Products*, **2018**, 125, 425-432	5.9	12
59	Sorption and vapor transmission properties of uncompressed and compressed microcellular starch foam. *Journal of Agricultural and Food Chemistry*, **2002**, 50, 7100-4	5.7	11
58	Starch-based nanocomposites **2009**, 205-251		11
57	Production of -Xylonic Acid from Hemicellulose Using Artificial Enzyme Complexes. *Journal of Microbiology and Biotechnology*, **2017**, 27, 77-83	3.3	11
56	Air and Steam Gasification of Almond Biomass. *Frontiers in Energy Research*, **2019**, 7,	3.8	10

55	Modification of vital wheat gluten with phosphoric acid to produce high free swelling capacity. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	10
54	Use of microscopy to assess bran removal patterns in milled rice. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 6960-5	5.7	10
53	Isolation and characterization of a novel GH67 -glucuronidase from a mixed culture. *Journal of Industrial Microbiology and Biotechnology*, **2012**, 39, 1245-51	4.2	10
52	Isolation of -glucuronidase enzyme from a rumen metagenomic library. *Protein Journal*, **2012**, 31, 206-11	3.9	10
51	Cellulose Fiber Reinforced Starch-Based Foam Composites. *Journal of Biobased Materials and Bioenergy*, **2007**, 1, 360-366	1.4	10
50	Production of polyhydroxyalkanoate copolymers containing 4-hydroxybutyrate in engineered Bacillus megaterium. *International Journal of Biological Macromolecules*, **2021**, 168, 86-92	7.9	10
49	Design and Testing of Safer, More Effective Preservatives for Consumer Products. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 4320-4331	8.3	9
48	Starch Plastic Packaging and Agriculture Applications **2014**, 421-452		9
47	Development of an integrated pretreatment fractionation process for fermentable sugars and lignin: Application to almond (Prunus dulcis) shell. *Biomass and Bioenergy*, **2011**, 35, 4435-4441	5.3	9
46	Wheat Proteins Extracted from Flour and Batter with Aqueous Ethanol at Subambient Temperatures. *Cereal Chemistry*, **2007**, 84, 497-501	2.4	9
45	Cocrystallization in random copolymers of poly(-hydroxybutyrate-co--hydroxyvalerate) and its effect on crystalline morphology. *Canadian Journal of Chemistry*, **1995**, 73, 2094-2100	0.9	9
44	Activated carbons prepared by physical activation from different pretreatments of amazon piassava fibers. *Journal of Natural Fibers*, **2019**, 16, 961-976	1.8	9
43	Expression and characterization of Coprothermobacter proteolyticus alkaline serine protease. *Scientific World Journal, The*, **2013**, 2013, 396156	2.2	8
42	Controlled release of 2-heptanone using starch gel and polycaprolactone matrices and polymeric films. *Polymers for Advanced Technologies*, **2007**, 18, 636-642	3.2	8
41	Wheat Starch Effects on the Textural Characteristics of Puffed Brown Rice Cakes. *Cereal Chemistry*, **2000**, 77, 18-23	2.4	8
40	Massaranduba Sawdust: A Potential Source of Charcoal and Activated Carbon. *Polymers*, **2019**, 11,	4.5	7
39	An alpha-glucuronidase enzyme activity assay adaptable for solid phase screening. *Applied Biochemistry and Biotechnology*, **2009**, 155, 314-20	3.2	7
38	Lightweight Concrete Containing an Alkaline Resistant Starch-Based Aquagel. *Journal of Polymers and the Environment*, **2004**, 12, 189-196	4.5	7

37	Bionanocomposites **2013**, 361-430		6
36	Synthesis and properties of water-resistant poly(glucaramides). *Industrial Crops and Products*, **2000**, 12, 125-135	5.9	6
35	Leaching behavior of water-soluble carbohydrates from almond hulls. *Industrial Crops and Products*, **2015**, 65, 488-495	5.9	5
34	Evaluation of biodegradation of polylactic acid mineral composites in composting conditions. *Journal of Applied Polymer Science*, **2020**, 137, 48939	2.9	5
33	Biodegradable composites based on starch/EVOH/glycerol blends and coconut fibers. *Journal of Applied Polymer Science*, **2008**, 111, NA-NA	2.9	5
32	Biopolymer Additives for the Reduction of Soil Erosion Losses during Irrigation. *ACS Symposium Series*, **2001**, 102-116	0.4	5
31	Starch **2012**, 5-32		5
30	Cloning and Expression of Pectobacterium carotovorum Endo-polygalacturonase Gene in Pichia pastoris for Production of Oligogalacturonates. *BioResources*, **2016**, 11,	1.3	5
29	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, 457-64	4	5
28	Nucleation and plasticization with recycled low-molecular-weight poly-3-hydroxybutyrate toughens virgin poly-3-hydroxybutyrate. *Journal of Applied Polymer Science*, **2019**, 136, 47432	2.9	4
27	Torrefied biomass-polypropylene composites. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	4
26	Thermal properties of poly(ethylene terephthalate) recovered from municipal solid waste by steam autoclaving. *Journal of Applied Polymer Science*, **2012**, 126, 1698-1708	2.9	4
25	Physical Characteristics of Genetically Altered Wheat Related to Technological Protein Separation. *Cereal Chemistry*, **2013**, 90, 1-12	2.4	4
24	Wheat Flour Exposed to Ethanol Yields Dough with Unexpected Properties. *Cereal Chemistry*, **2011**, 88, 509-517	2.4	4
23	Finding the "bio" in biobased products: electrophoretic identification of wheat proteins in processed products. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 4169-79	5.7	4
22	Flavor Retention and Physical Properties of Rice Cakes Prepared from Coated Rice Grain. *Cereal Chemistry*, **2002**, 79, 387-391	2.4	4
21	Safer Sunscreens: Investigation of Naturally Derived UV Absorbers for Potential Use in Consumer Products. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 9085-9092	8.3	4
20	Ketalization of 2-heptanone to prolong its activity as mite repellant for the protection of honey bees. *Journal of the Science of Food and Agriculture*, **2019**, 99, 6267-6277	4.3	3

19	Solid lipid particles in lipid films to control the diffusive release of 2-heptanone. *Pest Management Science*, **2013**, 69, 975-82	4.6	3
18	Ethanol in biorefining and dehydration of agricultural materials: energy, capital cost, and product quality implications. *Biofuels, Bioproducts and Biorefining*, **2011**, 5, 37-53	5.3	3
17	Starch Polymers **2005**,		3
16	Small-Angle Neutron Scattering Studies on an Idealized Diesel Biofuel Platform. *Energy & Fuels* , **2017**, 31, 3995-4002	4.1	2
15	Properties of gluten foams containing different additives. *Industrial Crops and Products*, **2020**, 152, 112511	5.9	2
14	Starch□pid composites containing cinnamaldehyde. *Starch/Staerke*, **2012**, 64, 219-228	2.3	2
13	Reducing Soil Erosion Losses with Small Applications of Biopolymers. *ACS Symposium Series*, **1999**, 235-247	0.4	2
12	CELLULOSE SHEETS MADE FROM MICRO/NANOFIBRILLATED FIBERS OF BAMBOO, JUTE AND EUCALYPTUS CELLULOSE PULPS. *Cellulose Chemistry and Technology*, **2019**, 53, 291-305	1.9	2
11	Biopolymer films to control fusarium dry rot and their application to preserve potato tubers. *Journal of Applied Polymer Science*, **2016**, 133,	2.9	2
10	Main Characteristics of Underexploited Amazonian Palm Fibers for Using as Potential Reinforcing Materials. *Waste and Biomass Valorization*, **2019**, 10, 3125-3142	3.2	2
9	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	2.4	1
8	Fresh fruit: microstructure, texture, and quality **2009**,		1
7	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	0.2	1
6	Fish Gelatin **2011**, 143-157		1
5	Torrefied agro-industrial residue as filler in natural rubber compounds. *Journal of Applied Polymer Science*, **2021**, 138, 50684	2.9	1
4	Meet our Authors. *MRS Bulletin*, **2011**, 36, 693-694	3.2	
3	Fine Structure of Starch-Clay Composites as Biopolymers. *Microscopy and Microanalysis*, **2008**, 14, 1500-1501	3.9	
2	Electron microscopy as a valuable tool in designing biobased products. *Microscopy and Microanalysis*, **2008**, 14, 1498-1499	0.5	

1 Saxs Measurement of Morphology and its Relationship to Melting Point Depression in Poly(Beta-Hydroxybutyrate-CO-Beta-Hydroxyvalerate) Random Copolymers. *Advances in X-ray Analysis*, **1991**, 35, 645-651