

# Keith W Waldron

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62  
papers

3,368  
citations

35  
h-index

58  
g-index

62  
ext. papers

3,739  
ext. citations

7.1  
avg. IF

5.05  
L-index

#	Paper	IF	Citations
62	Anticholinesterase Activities of Different Solvent Extracts of Brewer's Spent Grain. <i>Foods</i> , <b>2021</b> , 10,	4.9	4
61	Impact of Hot Water and Alkaline Pre-treatments in Cellulosic Ethanol Production from Banana Pseudostem. <i>Bioenergy Research</i> , <b>2020</b> , 13, 1159-1170	3.1	6
60	Recovery of Polyphenols from Brewer's Spent Grains. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	26
59	Effect of hydrothermal pre-treatment on duckweed ( <i>Landoltia punctata</i> ) biomass for simultaneous saccharification and fermentation process. <i>Biomass and Bioenergy</i> , <b>2019</b> , 127, 105259	5.3	12
58	Optimising conditions for bioethanol production from rice husk and rice straw: effects of pre-treatment on liquor composition and fermentation inhibitors. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 62	7.8	29
57	Durum wheat particle size affects starch and protein digestion in vitro. <i>European Journal of Nutrition</i> , <b>2018</b> , 57, 319-325	5.2	26
56	Release of cell wall phenolic esters during hydrothermal pretreatment of rice husk and rice straw. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 162	7.8	18
55	Wheat straw hemicelluloses added with cellulose nanocrystals and citric acid. Effect on film physical properties. <i>Carbohydrate Polymers</i> , <b>2017</b> , 164, 317-324	10.3	68
54	Feedstock selection for polymer and chemical production: feedstock-specific recalcitrance. <i>Faraday Discussions</i> , <b>2017</b> , 202, 391-402	3.6	
53	Bionanocomposite films based on polysaccharides from banana peels. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 101, 1-8	7.9	27
52	Yeast diversity in relation to the production of fuels and chemicals. <i>Scientific Reports</i> , <b>2017</b> , 7, 14259	4.9	11
51	Variation across a wheat genetic diversity panel for saccharification of hydrothermally pretreated straw. <i>Biotechnology for Biofuels</i> , <b>2017</b> , 10, 227	7.8	2
50	Light-Driven H <sub>2</sub> Evolution and C-C or C-O Bond Hydrogenation by <i>Shewanella oneidensis</i> : A Versatile Strategy for Photocatalysis by Nonphotosynthetic Microorganisms. <i>ACS Catalysis</i> , <b>2017</b> , 7, 7558-7566 <sup>47</sup>	13.1	47
49	Bioethanol production from spent mushroom compost derived from chaff of millet and sorghum. <i>Biotechnology for Biofuels</i> , <b>2017</b> , 10, 195	7.8	16
48	Chemical characterization of hydrothermally pretreated and enzyme-digested wheat straw: An evaluation of recalcitrance. <i>Food Chemistry</i> , <b>2016</b> , 198, 132-40	8.5	10
47	Optimization of pectin extraction from banana peels with citric acid by using response surface methodology. <i>Food Chemistry</i> , <b>2016</b> , 198, 113-8	8.5	143
46	Ethanol from a biorefinery waste stream: Saccharification of amylase, protease and xylanase treated wheat bran. <i>Food Chemistry</i> , <b>2016</b> , 198, 125-31	8.5	19

45	Pomegranate peel pectin films as affected by montmorillonite. <i>Food Chemistry</i> , <b>2016</b> , 198, 107-12	8.5	39
44	Antisense down-regulation of the strawberry $\beta$ -galactosidase gene <i>FaGal4</i> increases cell wall galactose levels and reduces fruit softening. <i>Journal of Experimental Botany</i> , <b>2016</b> , 67, 619-31	7	72
43	Modified sugar beet pectin induces apoptosis of colon cancer cells via an interaction with the neutral sugar side-chains. <i>Carbohydrate Polymers</i> , <b>2016</b> , 136, 923-9	10.3	55
42	Comparison of saccharification and fermentation of steam exploded rice straw and rice husk. <i>Biotechnology for Biofuels</i> , <b>2016</b> , 9, 193	7.8	31
41	Pre-treatment and extraction techniques for recovery of added value compounds from wastes throughout the agri-food chain. <i>Green Chemistry</i> , <b>2016</b> , 18, 6160-6204	10	101
40	Methodology for enabling high-throughput simultaneous saccharification and fermentation screening of yeast using solid biomass as a substrate. <i>Biotechnology for Biofuels</i> , <b>2015</b> , 8, 2	7.8	12
39	The nanostructural characterization of strawberry pectins in pectate lyase or polygalacturonase silenced fruits elucidates their role in softening. <i>Carbohydrate Polymers</i> , <b>2015</b> , 132, 134-45	10.3	45
38	Rhamnogalacturonan I containing homogalacturonan inhibits colon cancer cell proliferation by decreasing ICAM1 expression. <i>Carbohydrate Polymers</i> , <b>2015</b> , 132, 546-53	10.3	45
37	Simultaneous saccharification and fermentation of steam exploded duckweed: Improvement of the ethanol yield by increasing yeast titre. <i>Bioresource Technology</i> , <b>2015</b> , 194, 263-9	11	35
36	Wheat straw hemicellulose films as affected by citric acid. <i>Food Hydrocolloids</i> , <b>2015</b> , 50, 1-6	10.6	53
35	Characterization of cell wall components of wheat bran following hydrothermal pretreatment and fractionation. <i>Biotechnology for Biofuels</i> , <b>2015</b> , 8, 23	7.8	53
34	Identification of furfural resistant strains of <i>Saccharomyces cerevisiae</i> and <i>Saccharomyces paradoxus</i> from a collection of environmental and industrial isolates. <i>Biotechnology for Biofuels</i> , <b>2015</b> , 8, 33	7.8	35
33	Effect of steam explosion on waste copier paper alone and in a mixed lignocellulosic substrate on saccharification and fermentation. <i>Bioresource Technology</i> , <b>2015</b> , 187, 136-143	11	27
32	Steam explosion pretreatment and enzymatic saccharification of duckweed ( <i>Lemna minor</i> ) biomass. <i>Biomass and Bioenergy</i> , <b>2015</b> , 72, 206-215	5.3	19
31	Effect of <i>Brassica napus</i> cultivar on cellulosic ethanol yield. <i>Biotechnology for Biofuels</i> , <b>2015</b> , 8, 99	7.8	9
30	Biorefining of waste paper biomass: increasing the concentration of glucose by optimising enzymatic hydrolysis. <i>Applied Biochemistry and Biotechnology</i> , <b>2014</b> , 172, 3621-34	3.2	16
29	Steam explosion of oilseed rape straw: establishing key determinants of saccharification efficiency. <i>Bioresource Technology</i> , <b>2014</b> , 162, 175-83	11	29
28	Variation in the chemical composition of wheat straw: the role of tissue ratio and composition. <i>Biotechnology for Biofuels</i> , <b>2014</b> , 7, 121	7.8	39

27	Changes in the composition of the main polysaccharide groups of oil seed rape straw following steam explosion and saccharification. <i>Biomass and Bioenergy</i> , <b>2014</b> , 61, 121-130	5.3	9
26	The effects of processing and mastication on almond lipid bioaccessibility using novel methods of in vitro digestion modelling and micro-structural analysis. <i>British Journal of Nutrition</i> , <b>2014</b> , 112, 1521-9	3.6	57
25	Chemical characterisation and analysis of the cell wall polysaccharides of duckweed ( <i>Lemna minor</i> ). <i>Carbohydrate Polymers</i> , <b>2014</b> , 111, 410-8	10.3	48
24	High concentrations of cellulosic ethanol achieved by fed batch semi simultaneous saccharification and fermentation of waste-paper. <i>Bioresource Technology</i> , <b>2013</b> , 134, 117-26	11	65
23	Characterization of cell wall components of wheat straw following hydrothermal pretreatment and fractionation. <i>Bioresource Technology</i> , <b>2013</b> , 131, 226-34	11	44
22	The bioactivity of modified pectin fragments. <i>Bioactive Carbohydrates and Dietary Fibre</i> , <b>2013</b> , 1, 21-37	3.4	61
21	Expression of a bacterial, phenylpropanoid-metabolizing enzyme in tobacco reveals essential roles of phenolic precursors in normal leaf development and growth. <i>Physiologia Plantarum</i> , <b>2012</b> , 145, 260-74	4.6	4
20	Pectin – An emerging new bioactive food polysaccharide. <i>Trends in Food Science and Technology</i> , <b>2012</b> , 24, 64-73	15.3	262
19	Rapid quantification of reducing sugars in biomass hydrolysates: Improving the speed and precision of the dinitrosalicylic acid assay. <i>Biomass and Bioenergy</i> , <b>2012</b> , 44, 117-121	5.3	72
18	Impact of steam explosion on biogas production from rape straw in relation to changes in chemical composition. <i>Bioresource Technology</i> , <b>2012</b> , 123, 608-15	11	48
17	Enzymatic saccharification of duckweed ( <i>Lemna minor</i> ) biomass without thermophysical pretreatment. <i>Biomass and Bioenergy</i> , <b>2012</b> , 47, 354-361	5.3	28
16	Enzymatic and chemical treatment limits on the controlled solubilization of brewers' spent grain. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 11019-25	5.7	11
15	Enzymatic solubilization of brewers' spent grain by combined action of carbohydrases and peptidases. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 3316-24	5.7	53
14	A systematic micro-dissection of brewers' spent grain. <i>Journal of Cereal Science</i> , <b>2008</b> , 47, 357-364	3.8	45
13	Release of protein, lipid, and vitamin E from almond seeds during digestion. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 3409-16	5.7	135
12	Metabolic diversion of the phenylpropanoid pathway causes cell wall and morphological changes in transgenic tobacco stems. <i>Planta</i> , <b>2007</b> , 225, 1165-78	4.7	23
11	Thermal stability of texture in Chinese water chestnut may be dependent on 8,8'-diferulic acid (aryltetralyn form). <i>Journal of Agricultural and Food Chemistry</i> , <b>2003</b> , 51, 2034-9	5.7	55
10	4-Hydroxycinnamoyl-CoA hydratase/lyase, an enzyme of phenylpropanoid cleavage from <i>Pseudomonas</i> , causes formation of C(6)-C(1) acid and alcohol glucose conjugates when expressed in hairy roots of <i>Datura stramonium</i> L. <i>Planta</i> , <b>2002</b> , 215, 79-89	4.7	49

9	Cauliflower ( <i>Brassica oleracea</i> L), globe artichoke ( <i>Cynara scolymus</i> ) and chicory witloof ( <i>Cichorium intybus</i> ) processing by-products as sources of dietary fibre. <i>Journal of the Science of Food and Agriculture</i> , <b>1998</b> , 77, 511-518	4.3	78
8	New approaches to understanding and controlling cell separation in relation to fruit and vegetable texture. <i>Trends in Food Science and Technology</i> , <b>1997</b> , 8, 213-221	15.3	226
7	Effect of Cooking and Pre-Cooking on Cell-Wall Chemistry in Relation to Firmness of Carrot Tissues. <i>Journal of the Science of Food and Agriculture</i> , <b>1997</b> , 73, 503-512	4.3	152
6	Effect of Cooking and Pre-Cooking on Cell-Wall Chemistry in Relation to Firmness of Carrot Tissues <b>1997</b> , 73, 503		1
5	The Wall-Bound Phenolics of Chinese Water Chestnut ( <i>Eleocharis dulcis</i> ). <i>Journal of the Science of Food and Agriculture</i> , <b>1996</b> , 71, 501-507	4.3	119
4	Cell Wall Esterified Phenolic Dimers: Identification and Quantification by Reverse Phase High Performance Liquid Chromatography and Diode Array Detection. <i>Phytochemical Analysis</i> , <b>1996</b> , 7, 305-312	3.4	248
3	Texture of Chinese water chestnut: Involvement of cell wall phenolics. <i>Journal of the Science of Food and Agriculture</i> , <b>1995</b> , 68, 337-346	4.3	133
2	Cell wall changes in immature Asparagus stem tissue after excision. <i>Phytochemistry</i> , <b>1992</b> , 31, 1931-40	4	67
1	Composition of the cell walls of different asparagus ( <i>Asparagus officinalis</i> ) tissues. <i>Physiologia Plantarum</i> , <b>1990</b> , 80, 568-575	4.6	96