

Wayne Martindale

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

953
citations

687363

13
h-index

501196

28
g-index

44
all docs

44
docs citations

44
times ranked

1020
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in Activities of Enzymes of Carbon Metabolism in Leaves during Exposure of Plants to Low Temperature. <i>Plant Physiology</i> , 1992, 98, 1105-1114.	4.8	253
2	The Russia-Ukraine Conflict: Its Implications for the Global Food Supply Chains. <i>Foods</i> , 2022, 11, 2098.	4.3	138
3	The X-ray structure of Brassica napus \hat{I}^2 -keto acyl carrier protein reductase and its implications for substrate binding and catalysis. <i>Structure</i> , 2000, 8, 339-347.	3.3	88
4	Priority research questions for the UK food system. <i>Food Security</i> , 2013, 5, 617-636.	5.3	67
5	A review of robotics and autonomous systems in the food industry: From the supply chains perspective. <i>Trends in Food Science and Technology</i> , 2020, 106, 355-364.	15.1	57
6	Using consumer surveys to determine food sustainability. <i>British Food Journal</i> , 2014, 116, 1194-1204.	2.9	43
7	Acclimation of photosynthesis to low temperature in <i>Spinacia oleracea</i> L. I. Effects of acclimation on CO ₂ assimilation and carbon partitioning. <i>Journal of Experimental Botany</i> , 1997, 48, 1865-1872.	4.8	38
8	Acclimation of photosynthesis to low temperature in <i>Spinacia oleracea</i> L. II. Effects of nitrogen supply. <i>Journal of Experimental Botany</i> , 1997, 48, 1873-1880.	4.8	33
9	The impact of food preservation on food waste. <i>British Food Journal</i> , 2017, 119, 2510-2518.	2.9	30
10	Codesign of Food System and Circular Economy Approaches for the Development of Livestock Feeds from Insect Larvae. <i>Foods</i> , 2021, 10, 1701.	4.3	26
11	Conversion of D-Hamamelose into 2-Carboxy-D-arabinitol and 2-Carboxy-D-arabinitol 1-Phosphate in Leaves of <i>Phaseolus vulgaris</i> L.. <i>Journal of Biological Chemistry</i> , 1996, 271, 26803-26809.	3.4	21
12	Fuelling the 9 billion. <i>Nature Biotechnology</i> , 2008, 26, 1068-1070.	17.5	19
13	Testing the data platforms required for the 21st century food system using an industry ecosystem approach. <i>Science of the Total Environment</i> , 2020, 724, 137871.	8.0	16
14	The potential of food preservation to reduce food waste. <i>Proceedings of the Nutrition Society</i> , 2017, 76, 28-33.	1.0	14
15	The Impact of Resource and Nutritional Resilience on the Global Food Supply System. <i>Sustainability</i> , 2020, 12, 751.	3.2	13
16	Synthesis of 21-carboxy-D-arabinitol-1-phosphate in French bean (<i>Phaseolus vulgaris</i> L.): a search for precursors. <i>Journal of Experimental Botany</i> , 1997, 48, 9-14.	4.8	11
17	The effects of irradiance and CO ₂ on the activity and activation of ribulose-1, 5-bisphosphate carboxylase/ oxygenase in the aquatic plant <i>Spirodela polyrhiza</i> . <i>Journal of Experimental Botany</i> , 1996, 47, 781-784.	4.8	10
18	Acclimation of photosynthesis to low temperature in <i>Spinacia oleracea</i> L. I. Effects of acclimation on CO ₂ assimilation and carbon partitioning. <i>Journal of Experimental Botany</i> , 1997, 48, 1865-1872.	4.8	8

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19	Carbon, food and fuel security “ will biotechnology solve this irreconcilable trinity?. <i>Biotechnology and Genetic Engineering Reviews</i> , 2010, 27, 115-134.	6.2	7
20	Cutting Through the Challenge of Improving the Consumer Experience of Foods by Enabling the Preparation of Sustainable Meals and the Reduction of Food Waste. , 2017, , 7-23.		7
21	Interacting with Members of the Public to Discuss the Impact of Food Choices on Climate Change“Experiences from Two UK Public Engagement Events. <i>Sustainability</i> , 2020, 12, 2323.	3.2	7
22	Charting Past, Present, and Future Research in the Semantic Web and Interoperability. <i>Future Internet</i> , 2022, 14, 161.	3.8	7
23	Crystallization of the NADP-dependent β -keto acyl-carrier protein reductase from <i>Brassica napus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000, 56, 86-88.	2.5	5
24	Integrating Education, Extension and Research for the Development of Sustainable Grazing Systems “ Australian Landcare and the PROGRAZE“ training programmes. <i>Bioscience Education</i> , 2004, 3, 1-5.	0.4	5
25	Crystallization of the NADP-dependent β -keto acyl carrier protein reductase from <i>Escherichia coli</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1998, 54, 427-429.	2.5	4
26	Acclimation of photosynthesis to low temperature in <i>Spinacia oleracea</i> L. II. Effects of nitrogen supply. <i>Journal of Experimental Botany</i> , 1997, 48, 1873-1880.	4.8	4
27	Transformational Steam Infusion Processing for Resilient and Sustainable Food Manufacturing Businesses. <i>Foods</i> , 2021, 10, 1763.	4.3	3
28	Framing food security and food loss statistics for incisive supply chain improvement and knowledge transfer between Kenyan, Indian and United Kingdom food manufacturers. <i>Emerald Open Research</i> , 0, 2, 12.	0.0	3
29	Impact of salt and sugar reformulation on processing parameters for orange juice and tomatoes using ohmic heating. <i>British Food Journal</i> , 2019, 122, 75-86.	2.9	1
30	Global Resource Flows in the Food System. , 2022, , 219-257.		1
31	Cool on potato. <i>New Scientist</i> , 2008, 200, 20-21.	0.0	0
32	Price of popularity. <i>New Scientist</i> , 2009, 201, 25.	0.0	0