Bradley G Ridoutt

List of Publications by Year in Descending Order

109 papers	3,872 citations	32 h-index	59 g-index
117 ext. papers	4,599 ext. citations	6.4 avg, IF	5.96 L-index

#	Paper	IF	Citations
109	Potential GHG emission benefits of Asparagopsis taxiformis feed supplement in Australian beef cattle feedlots. *Journal of Cleaner Production*, **2022**, 337, 130499	10.3	2
108	Bringing nutrition and life cycle assessment together (nutritional LCA): opportunities and risks. *International Journal of Life Cycle Assessment*, **2021**, 26, 1932	4.6	2
107	Diets within Environmental Limits: The Climate Impact of Current and Recommended Australian Diets. *Nutrients*, **2021**, 13,	6.7	6
106	China Tea Industry: Net Greenhouse Gas Emissions and Mitigation Potential. *Agriculture (Switzerland)*, **2021**, 11, 363	3	6
105	Short communication: climate impact of Australian livestock production assessed using the GWP* climate metric. *Livestock Science*, **2021**, 246, 104459	1.7	11
104	Building consensus on water use assessment of livestock production systems and supply chains: Outcome and recommendations from the FAO LEAP Partnership. *Ecological Indicators*, **2021**, 124, 107391	5.8	6
103	The role of dairy foods in lower greenhouse gas emission and higher diet quality dietary patterns. *European Journal of Nutrition*, **2021**, 60, 275-285	5.2	7
102	Climate neutral livestock production A radiative forcing-based climate footprint approach. *Journal of Cleaner Production*, **2021**, 291, 125260	10.3	4
101	Food Security and Climate Stabilization: Can Cereal Production Systems Address Both?. *Sustainability*, **2021**, 13, 1223	3.6	
100	Pesticide Toxicity Hazard of Agriculture: Regional and Commodity Hotspots in Australia. *Environmental Science & Technology*, **2021**, 55, 1290-1300	10.3	1
99	An assessment of the water use associated with Australian diets using a planetary boundary framework. *Public Health Nutrition*, **2021**, 24, 1570-1575	3.3	4
98	Closing yield and harvest area gaps to mitigate water scarcity related to China rice production. *Agricultural Water Management*, **2021**, 245, 106602	5.9	3
97	A planetary boundary-based environmental footprint family: From impacts to boundaries. *Science of the Total Environment*, **2021**, 785, 147383	10.2	11
96	Diets within planetary boundaries: What is the potential of dietary change alone?. *Sustainable Production and Consumption*, **2021**, 28, 802-810	8.2	4
95	An Alternative Nutrient Rich Food Index (NRF-ai) Incorporating Prevalence of Inadequate and Excessive Nutrient Intake.. *Foods*, **2021**, 10,	4.9	2
94	Cropland Footprints of Australian Dietary Choices. *Nutrients*, **2020**, 12,	6.7	10
93	Balancing food production within the planetary water boundary. *Journal of Cleaner Production*, **2020**, 253, 119900	10.3	12

92	Cropland footprints from the perspective of productive land scarcity, malnutrition-related health impacts and biodiversity loss. *Journal of Cleaner Production*, **2020**, 260, 121150	10.3	8
91	No simple menu for sustainable food production and consumption. *International Journal of Life Cycle Assessment*, **2020**, 25, 1175-1182	4.6	3
90	Value Chains and Diet Quality: A Review of Impact Pathways and Intervention Strategies. *Agriculture (Switzerland)*, **2019**, 9, 185	3	7
89	Measuring integrated environmental footprint transfers in China: A new perspective on spillover-feedback effects. *Journal of Cleaner Production*, **2019**, 241, 118375	10.3	7
88	Three Main Ingredients for Sustainable Diet Research. *Environmental Science & Technology*, **2019**, 53, 2948-2949	10.3	6
87	An LCA impact assessment model linking land occupation and malnutrition-related DALYs. *International Journal of Life Cycle Assessment*, **2019**, 24, 1620-1630	4.6	6
86	Water-scarcity footprints and water productivities indicate unsustainable wheat production in China. *Agricultural Water Management*, **2019**, 224, 105744	5.9	21
85	Diet Quality and Water Scarcity: Evidence from a Large Australian Population Health Survey. *Nutrients*, **2019**, 11,	6.7	20
84	A multi-indicator assessment of peri-urban agricultural production in Beijing, China. *Ecological Indicators*, **2019**, 97, 350-362	5.8	12
83	Nitrogen footprint and nitrogen use efficiency of greenhouse tomato production in North China. *Journal of Cleaner Production*, **2019**, 208, 285-296	10.3	34
82	Agricultural subsidies assessment of cropping system from environmental and economic perspectives in North China based on LCA. *Ecological Indicators*, **2019**, 96, 351-360	5.8	31
81	Life Cycle Assessment of Food Products **2019**, 488-496		2
80	Life Cycle Assessment of China□ agroecosystems. *Ecological Indicators*, **2018**, 88, 341-350	5.8	24
79	A characterisation model to address the environmental impact of green water flows for water scarcity footprints. *Science of the Total Environment*, **2018**, 626, 1210-1218	10.2	26
78	Multi-indicator assessment of a water-saving agricultural engineering project in North Beijing, China. *Agricultural Water Management*, **2018**, 200, 34-46	5.9	10
77	The water footprint and validity analysis of ecological engineering in North Beijing, China. *Journal of Cleaner Production*, **2018**, 172, 1899-1909	10.3	8
76	Comparing volumetric and impact-oriented water footprint indicators: Case study of agricultural production in Lake Dianchi Basin, China. *Ecological Indicators*, **2018**, 87, 14-21	5.8	18
75	Identification of methodological challenges remaining in the assessment of a water scarcity footprint: a review. *International Journal of Life Cycle Assessment*, **2018**, 23, 164-180	4.6	28

74	The WULCA consensus characterization model for water scarcity footprints: assessing impacts of water consumption based on available water remaining (AWARE). *International Journal of Life Cycle Assessment*, **2018**, 23, 368-378	4.6	282
73	Mapping phosphorus hotspots in Sydney organic wastes: a spatially explicit inventory to facilitate urban phosphorus recycling. *Journal of Urban Ecology*, **2018**, 4,	2	5
72	Rethinking environmental stress from the perspective of an integrated environmental footprint: Application in the Beijing industry sector. *Science of the Total Environment*, **2018**, 637-638, 1051-1060	10.2	9
71	From Water-Use to Water-Scarcity Footprinting in Environmentally Extended Input-Output Analysis. *Environmental Science & Technology*, **2018**, 52, 6761-6770	10.3	49
70	Life cycle impacts of topsoil erosion on aquatic biota: case study on Eucalyptus globulus forest. *International Journal of Life Cycle Assessment*, **2017**, 22, 159-171	4.6	3
69	Climate adaptation of food value chains: the implications of varying consumer acceptance. *Regional Environmental Change*, **2017**, 17, 93-103	4.3	12
68	Australia nutritional food balance: situation, outlook and policy implications. *Food Security*, **2017**, 9, 211-226	6.7	11
67	Nitrogen and phosphorus losses and eutrophication potential associated with fertilizer application to cropland in China. *Journal of Cleaner Production*, **2017**, 159, 171-179	10.3	236
66	From ISO14046 to water footprint labeling: A case study of indicators applied to milk production in south-eastern Australia. *Science of the Total Environment*, **2017**, 599-600, 14-19	10.2	20
65	LCIA framework and cross-cutting issues guidance within the UNEP-SETAC Life Cycle Initiative. *Journal of Cleaner Production*, **2017**, 161, 957-967	10.3	89
64	Dietary strategies to reduce environmental impact must be nutritionally complete. *Journal of Cleaner Production*, **2017**, 152, 26-27	10.3	10
63	Dietary Strategies to Reduce Environmental Impact: A Critical Review of the Evidence Base. *Advances in Nutrition*, **2017**, 8, 933-946	10	72
62	Understanding the LCA and ISO water footprint: A response to Hoekstra (2016) "A critique on the water-scarcity weighted water footprint in LCA". *Ecological Indicators*, **2017**, 72, 352-359	5.8	135
61	Environmental performance of local food: trade-offs and implications for climate resilience in a developed city. *Journal of Cleaner Production*, **2016**, 114, 420-430	10.3	53
60	Direct and indirect land-use change as prospective climate change indicators for peri-urban development transitions. *Journal of Environmental Planning and Management*, **2016**, 59, 643-665	2.8	8
59	Area of concern: a new paradigm in life cycle assessment for the development of footprint metrics. *International Journal of Life Cycle Assessment*, **2016**, 21, 276-280	4.6	32
58	Global guidance on environmental life cycle impact assessment indicators: progress and case study. *International Journal of Life Cycle Assessment*, **2016**, 21, 429-442	4.6	73
57	Greenhouse Gas Implications of Peri-Urban Land Use Change in a Developed City under Four Future Climate Scenarios. *Land*, **2016**, 5, 46	3.5	2

56	Potential Impact of Dietary Choices on Phosphorus Recycling and Global Phosphorus Footprints: The Case of the Average Australian City. *Frontiers in Nutrition*, **2016**, 3, 35	6.2	25
55	Climate Change Adaptation Strategy in the Food Industry: Insights from Product Carbon and Water Footprints. *Climate*, **2016**, 4, 26	3.1	15
54	Changes in Food Intake in Australia: Comparing the 1995 and 2011 National Nutrition Survey Results Disaggregated into Basic Foods. *Foods*, **2016**, 5,	4.9	22
53	Overconsumption of Energy and Excessive Discretionary Food Intake Inflates Dietary Greenhouse Gas Emissions in Australia. *Nutrients*, **2016**, 8,	6.7	51
52	Recommended diets in Australia are nutrient rich and have lower greenhouse gas emissions. *Public Health Nutrition*, **2016**, 19, 3245	3.3	1
51	Feeding and housing the urban population: Environmental impacts at the peri-urban interface under different land-use scenarios. *Land Use Policy*, **2015**, 48, 377-388	5.6	26
50	A contribution to the environmental impact assessment of green water flows. *Journal of Cleaner Production*, **2015**, 93, 318-329	10.3	32
49	Consensus building on the development of a stress-based indicator for LCA-based impact assessment of water consumption: outcome of the expert workshops. *International Journal of Life Cycle Assessment*, **2015**, 20, 577-583	4.6	75
48	Suspended solids in freshwater systems: characterisation model describing potential impacts on aquatic biota. *International Journal of Life Cycle Assessment*, **2015**, 20, 1232-1242	4.6	9
47	A framework for assessing local PES proposals. *Land Use Policy*, **2015**, 43, 37-41	5.6	5
46	Reducing Agricultural Water Footprints at the Farm Scale: A Case Study in the Beijing Region. *Water (Switzerland)*, **2015**, 7, 7066-7077	3	13
45	China's water for food under growing water scarcity. *Food Security*, **2015**, 7, 933-949	6.7	22
44	Benchmarking consumptive water use of bovine milk production systems for 60 geographical regions: An implication for Global Food Security. *Global Food Security*, **2015**, 4, 56-68	8.3	9
43	Making sense of the minefield of footprint indicators. *Environmental Science & Technology*, **2015**, 49, 2601-3	10.3	36
42	Global guidance on environmental life cycle impact assessment indicators: findings of the scoping phase. *International Journal of Life Cycle Assessment*, **2014**, 19, 962-967	4.6	57
41	Water footprint: pitfalls on common ground. *Environmental Science & Technology*, **2014**, 48, 4	10.3	41
40	Short communication: a food-systems approach to assessing dairy product waste. *Journal of Dairy Science*, **2014**, 97, 6107-10	4	7
39	Location and technology options to reduce environmental impacts from agriculture. *Journal of Cleaner Production*, **2014**, 81, 130-136	10.3	15

38	Addressing the freshwater use of a Portuguese wine (Vinho verde) using different LCA methods. *Journal of Cleaner Production*, **2014**, 68, 46-55	10.3	34
37	A framework for modelling the transport and deposition of eroded particles towards water systems in a life cycle inventory. *International Journal of Life Cycle Assessment*, **2014**, 19, 1200-1213	4.6	6
36	Comparison of water use in global milk production for different typical farms. *Agricultural Systems*, **2014**, 129, 9-21	6.1	22
35	Water availability footprint of milk and milk products from large-scale dairy production systems in Northeast China. *Journal of Cleaner Production*, **2014**, 79, 91-97	10.3	39
34	Carbon, water and land use footprints of beef cattle production systems in southern Australia. *Journal of Cleaner Production*, **2014**, 73, 24-30	10.3	61
33	Greenhouse gas emissions and the Australian diet--comparing dietary recommendations with average intakes. *Nutrients*, **2014**, 6, 289-303	6.7	59
32	Water Footprint of Cereals and Vegetables for the Beijing Market. *Journal of Industrial Ecology*, **2014**, 18, 40-48	7.2	22
31	Response to Fang and Heijungs. *Journal of Industrial Ecology*, **2014**, 18, 72-72	7.2	1
30	Review of methods addressing freshwater use in life cycle inventory and impact assessment. *International Journal of Life Cycle Assessment*, **2013**, 18, 707-721	4.6	237
29	Using systems modelling to explore the potential for root exudates to increase phosphorus use efficiency in cereal crops. *Environmental Modelling and Software*, **2013**, 46, 50-60	5.2	13
28	Towards an Integrated Family of Footprint Indicators. *Journal of Industrial Ecology*, **2013**, 17, 337-339	7.2	45
27	A new water footprint calculation method integrating consumptive and degradative water use into a single stand-alone weighted indicator. *International Journal of Life Cycle Assessment*, **2013**, 18, 204-207	4.6	117
26	Life cycle assessment of phosphorus use efficient wheat grown in Australia. *Agricultural Systems*, **2013**, 120, 2-9	6.1	15
25	Australia's dietary guidelines and the environmental impact of food "from paddock to plate". *Medical Journal of Australia*, **2013**, 199, 456	4	1
24	Meat consumption and water scarcity: beware of generalizations. *Journal of Cleaner Production*, **2012**, 28, 127-133	10.3	51
23	Carbon and water footprint tradeoffs in fresh tomato production. *Journal of Cleaner Production*, **2012**, 32, 219-226	10.3	123
22	Water footprint of livestock: comparison of six geographically defined beef production systems. *International Journal of Life Cycle Assessment*, **2012**, 17, 165-175	4.6	78
21	Cropping Pattern Modifications Change Water Resource Demands in the Beijing Metropolitan Area. *Journal of Integrative Agriculture*, **2012**, 11, 1914-1923	3.2	26

20	Environmental relevance--the key to understanding water footprints. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E1424; author reply E1425	11.5	58
19	Fresh tomato production for the Sydney market: An evaluation of options to reduce freshwater scarcity from agricultural water use. *Agricultural Water Management*, **2011**, 100, 18-24	5.9	35
18	Comparing Carbon and Water Footprints for Beef Cattle Production in Southern Australia. *Sustainability*, **2011**, 3, 2443-2455	3.6	45
17	Development and Application of a Water Footprint Metric for Agricultural Products and the Food Industry **2011**, 183-192		3
16	Reducing humanity's water footprint. *Environmental Science & Technology*, **2010**, 44, 6019-21	10.3	78
15	A revised approach to water footprinting to make transparent the impacts of consumption and production on global freshwater scarcity. *Global Environmental Change*, **2010**, 20, 113-120	10.1	408
14	Short communication: The water footprint of dairy products: case study involving skim milk powder. *Journal of Dairy Science*, **2010**, 93, 5114-7	4	44
13	The water footprint of food waste: case study of fresh mango in Australia. *Journal of Cleaner Production*, **2010**, 18, 1714-1721	10.3	89
12	Water footprinting at the product brand level: case study and future challenges. *Journal of Cleaner Production*, **2009**, 17, 1228-1235	10.3	90
11	Radial modulus of rupture in radiata pine measured by individual rings. *Journal of Wood Science*, **2001**, 47, 233-236	2.4	3
10	Impregnation of radiata pine wood by vacuum treatment II: effect of pre-steaming on wood structure and resin content. *Journal of Wood Science*, **1999**, 45, 456-462	2.4	16
9	Metabolism of deuterium- and tritium-labeled gibberellins in cambial region tissues of Eucalyptus globulus stems. *Tree Physiology*, **1998**, 18, 659-664	4.2	2
8	Impregnation of Radiata Pine Wood By Vacuum Treatment: Identification of flow Paths Using Fluorescent Dye and Confocal Microscopy. *IAWA Journal*, **1998**, 19, 25-33	2.3	8
7	Fibre length and gibberellins A1 and A20 are decreased in Eucalyptus globules by acylcyclohexanedione injected into the stem. *Physiologia Plantarum*, **1996**, 96, 559-566	4.6	27
6	Fibre length and gibberellins A1 and A20 are decreased in Eucalyptus globulus by acylcyclohexanedione injected into the stem. *Physiologia Plantarum*, **1996**, 96, 559-566	4.6	31
5	Identification and Quantification of Cambial Region Hormones of Eucalyptus globulus. *Plant and Cell Physiology*, **1995**, 36, 1143-1147	4.9	13
4	Quantification of the Processes of Secondary Xylem Fibre Development in Eucalyptus Globulus at Two Height Levels. *IAWA Journal*, **1994**, 15, 417-424	2.3	14
3	Identification and quantification of endogenous gibberellins in apical buds and the cambial region of Eucalyptus. *Physiologia Plantarum*, **1994**, 90, 475-480	4.6	6

2	Within-tree variation in cambial anatomy and xylem cell differentiation in Eucalyptus globulus. *Trees - Structure and Function*, **1993**, 8, 18	2.6	15
1	Consumptive water use associated with food waste: case study of fresh mango in Australia		7