

# Geoff Inman-Bamber

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

2,259  
citations

257450

24  
h-index

395702

33  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1651  
citing authors

#	ARTICLE	IF	CITATIONS
1	Water relations in sugarcane and response to water deficits. <i>Field Crops Research</i> , 2005, 92, 185-202.	5.1	328
2	Growth and function of the sugarcane root system. <i>Field Crops Research</i> , 2005, 92, 169-183.	5.1	214
3	Accurate prediction of sugarcane yield using a random forest algorithm. <i>Agronomy for Sustainable Development</i> , 2016, 36, 1.	5.3	186
4	Sugarcane water stress criteria for irrigation and drying off. <i>Field Crops Research</i> , 2004, 89, 107-122.	5.1	162
5	Temperature and seasonal effects on canopy development and light interception of sugarcane. <i>Field Crops Research</i> , 1994, 36, 41-51.	5.1	119
6	Crop coefficients and water-use estimates for sugarcane based on long-term Bowen ratio energy balance measurements. <i>Field Crops Research</i> , 2003, 83, 125-138.	5.1	117
7	Physiology and productivity of sugarcane with early and mid-season water deficit. <i>Field Crops Research</i> , 1999, 64, 211-227.	5.1	106
8	A growth model for sugar-cane based on a simple carbon balance and the CERES-Maize water balance. <i>South African Journal of Plant and Soil</i> , 1991, 8, 93-99.	1.1	96
9	Enhanced risk management and decision-making capability across the sugarcane industry value chain based on seasonal climate forecasts. <i>Agricultural Systems</i> , 2002, 74, 459-477.	6.1	90
10	Sugarcane for water-limited environments. Genetic variation in cane yield and sugar content in response to water stress. <i>Journal of Experimental Botany</i> , 2012, 63, 6023-6033.	4.8	86
11	Sugarcane for water-limited environments: Theoretical assessment of suitable traits. <i>Field Crops Research</i> , 2012, 134, 95-104.	5.1	81
12	Increasing sucrose accumulation in sugarcane by manipulating leaf extension and photosynthesis with irrigation. <i>Australian Journal of Agricultural Research</i> , 2008, 59, 13.	1.5	79
13	Decline in the growth of a sugarcane crop with age under high input conditions. <i>Field Crops Research</i> , 2005, 92, 305-320.	5.1	63
14	Dry matter partitioning of sugarcane in Australia and South Africa. <i>Field Crops Research</i> , 2002, 76, 71-84.	5.1	52
15	Sugarcane for water-limited environments. Variation in stomatal conductance and its genetic correlation with crop productivity. <i>Journal of Experimental Botany</i> , 2015, 66, 3945-3958.	4.8	51
16	The historical and future contribution of crop physiology and modelling research to sugarcane production systems. <i>Field Crops Research</i> , 2005, 92, 321-335.	5.1	49
17	Genetic variation in transpiration efficiency and relationships between whole plant and leaf gas exchange measurements in <i>Saccharum</i> spp. and related germplasm. <i>Journal of Experimental Botany</i> , 2016, 67, 861-871.	4.8	44
18	Estimating the risk associated with drying-off strategies for irrigated sugarcane before harvest. <i>Australian Journal of Agricultural Research</i> , 1999, 50, 65.	1.5	37

#	ARTICLE	IF	CITATIONS
19	Source - sink differences in genotypes and water regimes influencing sucrose accumulation in sugarcane stalks. <i>Crop and Pasture Science</i> , 2009, 60, 316.	1.5	35
20	Nitrogen leaching from the root zone of sugarcane and bananas in the humid tropics of Australia. <i>Agriculture, Ecosystems and Environment</i> , 2013, 180, 68-78.	5.3	35
21	Sucrose accumulation in sugarcane is influenced by temperature and genotype through the carbon source - sink balance. <i>Crop and Pasture Science</i> , 2010, 61, 111.	1.5	33
22	Sucrose accumulation in sugarcane stalks does not limit photosynthesis and biomass production. <i>Crop and Pasture Science</i> , 2011, 62, 848.	1.5	30
23	The reaction of two varieties of sugarcane to water stress. <i>Field Crops Research</i> , 1986, 14, 15-28.	5.1	29
24	New APSIM-Sugar features and parameters required to account for high sugarcane yields in tropical environments. <i>Field Crops Research</i> , 2019, 235, 38-53.	5.1	29
25	Traits for canopy development and light interception by twenty-seven Brazilian sugarcane varieties. <i>Field Crops Research</i> , 2020, 249, 107716.	5.1	17
26	A Bayesian modelling approach for long lead sugarcane yield forecasts for the Australian sugar industry. <i>Australian Journal of Agricultural Research</i> , 2007, 58, 87.	1.5	16
27	Sugarcane evapotranspiration and irrigation requirements in tropical climates. <i>Theoretical and Applied Climatology</i> , 2020, 140, 1349-1357.	2.8	15
28	Modelling genetic and environmental control of biomass partitioning at plant and phytomer level of sugarcane grown in controlled environments. <i>Crop and Pasture Science</i> , 2011, 62, 66.	1.5	11
29	A Dual Ensemble Agroclimate Modelling Procedure to Assess Climate Change Impacts on Sugarcane Production in Australia. <i>Agricultural Sciences</i> , 2015, 06, 870-888.	0.3	10
30	Sugarcane yield future scenarios in Brazil as projected by the APSIM-Sugar model. <i>Industrial Crops and Products</i> , 2021, 171, 113918.	5.2	9
31	Sugarcane. , 2021, , 674-713.		5
32	Effect of water stress on cane growth and water use of sugar cane. <i>South African Journal of Plant and Soil</i> , 1988, 5, 65-70.	1.1	3
33	Value of irrigation water with uncertain future rain: A simulation case study of sugarcane irrigation in northern Australia. <i>Water Resources Research</i> , 2003, 39, .	4.2	3
34	High-yielding sugarcane in tropical Brazil “ Integrating field experimentation and modelling approach for assessing variety performances. <i>Field Crops Research</i> , 2021, 274, 108323.	5.1	3
35	Sugarcane: Contribution of Process-Based Models for Understanding and Mitigating Impacts of Climate Variability and Change on Production. , 2020, , 217-260.		2