

# Edmar I Teixeira

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

3,672  
citations

236612

25  
h-index

214527

47  
g-index

50  
all docs

50  
docs citations

50  
times ranked

4173  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying morpho-physiological traits that describe canopy and biomass formation and partitioning processes for spring wheat genotypes grown under contrasting nitrogen supply. <i>New Zealand Journal of Crop and Horticultural Science</i> , 2023, 51, 231-254.	0.7	3
2	Water and nitrogen stress effects on canopy development and biomass allocation in fodder beet ( <i>Beta vulgaris</i> L.). <i>New Zealand Journal of Agricultural Research</i> , 2022, 65, 63-81.	0.9	1
3	Development of a lucerne model in APSIM next generation: 2 canopy expansion and light interception of genotypes with different fall dormancy ratings. <i>European Journal of Agronomy</i> , 2022, 139, 126570.	1.9	4
4	Performance of Winter-Sown Cereal Catch Crops after Simulated Forage Crop Grazing in Southland, New Zealand. <i>Plants</i> , 2021, 10, 108.	1.6	4
5	Understanding spatial and temporal variability of N leaching reduction by winter cover crops under climate change. <i>Science of the Total Environment</i> , 2021, 771, 144770.	3.9	20
6	Development of a lucerne model in APSIM next generation: 1 phenology and morphology of genotypes with different fall dormancies. <i>European Journal of Agronomy</i> , 2021, 130, 126372.	1.9	8
7	Principles and process for developing participatory adaptation pathways in the primary industries. <i>Elementa</i> , 2021, 9, .	1.1	5
8	Crop growth and development dynamics of two fodder beet ( <i>Beta vulgaris</i> L.) cultivars sown on different dates in New Zealand. <i>New Zealand Journal of Agricultural Research</i> , 2020, 63, 449-466.	0.9	3
9	Allometric relationships between nitrogen uptake and transpiration to untangle interactions between nitrogen supply and drought in maize and sorghum. <i>European Journal of Agronomy</i> , 2020, 120, 126145.	1.9	27
10	Unparalleled coupled ocean-atmosphere summer heatwaves in the New Zealand region: drivers, mechanisms and impacts. <i>Climatic Change</i> , 2020, 162, 485-506.	1.7	34
11	Climate adaptation pathways for agriculture: Insights from a participatory process. <i>Environmental Science and Policy</i> , 2020, 107, 66-79.	2.4	61
12	Yield and quality changes in lucerne of different fall dormancy ratings under three defoliation regimes. <i>European Journal of Agronomy</i> , 2020, 115, 126012.	1.9	17
13	A Spatial Analysis Framework to Assess Responses of Agricultural Landscapes to Climates and Soils at Regional Scale. <i>Innovations in Landscape Research</i> , 2020, , 495-508.	0.2	3
14	A generic approach to modelling, allocation and redistribution of biomass to and from plant organs. <i>In Silico Plants</i> , 2019, 1, .	0.8	14
15	Field estimation of water extraction coefficients with APSIM-Slurp for water uptake assessments in perennial forages. <i>Field Crops Research</i> , 2018, 222, 26-38.	2.3	12
16	Adapting crop rotations to climate change in regional impact modelling assessments. <i>Science of the Total Environment</i> , 2018, 616-617, 785-795.	3.9	51
17	The interactions between genotype, management and environment in regional crop modelling. <i>European Journal of Agronomy</i> , 2017, 88, 106-115.	1.9	38
18	Impact analysis of climate data aggregation at different spatial scales on simulated net primary productivity for croplands. <i>European Journal of Agronomy</i> , 2017, 88, 41-52.	1.9	27

#	ARTICLE	IF	CITATIONS
19	The implication of input data aggregation on up-scaling soil organic carbon changes. <i>Environmental Modelling and Software</i> , 2017, 96, 361-377.	1.9	28
20	Soil water extraction patterns of lucerne grown on stony soils. <i>Plant and Soil</i> , 2017, 414, 95-112.	1.8	15
21	Impact of Spatial Soil and Climate Input Data Aggregation on Regional Yield Simulations. <i>PLoS ONE</i> , 2016, 11, e0151782.	1.1	78
22	Uncertainty in future irrigation water demand and risk of crop failure for maize in Europe. <i>Environmental Research Letters</i> , 2016, 11, 074007.	2.2	37
23	Sources of variability in the effectiveness of winter cover crops for mitigating N leaching. <i>Agriculture, Ecosystems and Environment</i> , 2016, 220, 226-235.	2.5	48
24	Quantifying canopy formation processes in fodder beet ( <i>Beta vulgaris</i> subsp. <i>vulgaris</i> var. <i>alba</i> L.) crops. <i>European Journal of Agronomy</i> , 2016, 74, 144-154.	1.9	7
25	Evaluating the precision of eight spatial sampling schemes in estimating regional means of simulated yield for two crops. <i>Environmental Modelling and Software</i> , 2016, 80, 100-112.	1.9	26
26	Evaluating methods to simulate crop rotations for climate impact assessments – A case study on the Canterbury plains of New Zealand. <i>Environmental Modelling and Software</i> , 2015, 72, 304-313.	1.9	34
27	Calibration of the APSIM-Lucerne model for –Grasslands Kaituna–™ lucerne crops grown in New Zealand. <i>New Zealand Journal of Agricultural Research</i> , 2015, 58, 190-202.	0.9	19
28	Sowing date affected shoot and root biomass accumulation of lucerne during establishment and subsequent regrowth season. <i>European Journal of Agronomy</i> , 2015, 68, 69-77.	1.9	17
29	A statistical analysis of three ensembles of crop model responses to temperature and CO <sub>2</sub> concentration. <i>Agricultural and Forest Meteorology</i> , 2015, 214-215, 483-493.	1.9	31
30	Statistical Analysis of Large Simulated Yield Datasets for Studying Climate Effects. <i>ICP Series on Climate Change Impacts, Adaptation, and Mitigation</i> , 2015, , 279-295.	0.4	2
31	Effect of weather data aggregation on regional crop simulation for different crops, production conditions, and response variables. <i>Climate Research</i> , 2015, 65, 141-157.	0.4	43
32	Variability of effects of spatial climate data aggregation on regional yield simulation by crop models. <i>Climate Research</i> , 2015, 65, 53-69.	0.4	39
33	Plant Modelling Framework: Software for building and running crop models on the APSIM platform. <i>Environmental Modelling and Software</i> , 2014, 62, 385-398.	1.9	109
34	How do various maize crop models vary in their responses to climate change factors?. <i>Global Change Biology</i> , 2014, 20, 2301-2320.	4.2	525
35	APSIM – Evolution towards a new generation of agricultural systems simulation. <i>Environmental Modelling and Software</i> , 2014, 62, 327-350.	1.9	1,173
36	The impact of water and nitrogen limitation on maize biomass and resource-use efficiencies for radiation, water and nitrogen. <i>Field Crops Research</i> , 2014, 168, 109-118.	2.3	110

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37	Global hot-spots of heat stress on agricultural crops due to climate change. <i>Agricultural and Forest Meteorology</i> , 2013, 170, 206-215.	1.9	588
38	Australia and New Zealand Perspectives on Climate Change and Agriculture. <i>ICP Series on Climate Change Impacts, Adaptation, and Mitigation</i> , 2012, , 107-141.	0.4	3
39	Growth and phenological development patterns differ between seedling and regrowth lucerne crops ( <i>Medicago sativa</i> L.). <i>European Journal of Agronomy</i> , 2011, 35, 47-55.	1.9	34
40	Limited potential of crop management for mitigating surface ozone impacts on global food supply. <i>Atmospheric Environment</i> , 2011, 45, 2569-2576.	1.9	75
41	Modelling seasonality of dry matter partitioning and root maintenance respiration in lucerne ( <i>Medicago sativa</i> L.) crops. <i>Crop and Pasture Science</i> , 2009, 60, 778.	0.7	24
42	Modeling Shoot and Root Biomass of Lucerne Crops – New Insights on the Seasonality of Dry Matter Partitioning and Root Maintenance Respiration. , 2009, , 109-115.		0
43	Surface ozone impact on global food supply: Potential damage and adaptation for soybean crops. <i>IOP Conference Series: Earth and Environmental Science</i> , 2009, 6, 372043.	0.2	0
44	Defoliation frequency and season affected radiation use efficiency and dry matter partitioning to roots of lucerne ( <i>Medicago sativa</i> L.) crops. <i>European Journal of Agronomy</i> , 2008, 28, 103-111.	1.9	46
45	Seasonal patterns of root C and N reserves of lucerne crops ( <i>Medicago sativa</i> L.) grown in a temperate climate were affected by defoliation regime. <i>European Journal of Agronomy</i> , 2007, 26, 10-20.	1.9	58
46	The dynamics of lucerne ( <i>Medicago sativa</i> L.) yield components in response to defoliation frequency. <i>European Journal of Agronomy</i> , 2007, 26, 394-400.	1.9	47
47	How does defoliation management impact on yield, canopy forming processes and light interception of lucerne ( <i>Medicago sativa</i> L.) crops?. <i>European Journal of Agronomy</i> , 2007, 27, 154-164.	1.9	41
48	Radiation use efficiency and biomass partitioning of lucerne ( <i>Medicago sativa</i> ) in a temperate climate. <i>European Journal of Agronomy</i> , 2006, 25, 319-327.	1.9	47
49	The components of lucerne ( <i>Medicago sativa</i> ) leaf area index respond to temperature and photoperiod in a temperate environment. <i>European Journal of Agronomy</i> , 2005, 23, 348-358.	1.9	29
50	Simplified methods for on-farm prediction of yield potential of grazed lucerne crops in New Zealand. <i>New Zealand Journal of Agricultural Research</i> , 0, , 1-19.	0.9	7