Agustin del Prado

List of Publications by Year
in descending order

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48 papers	2,330 citations	201674 27 h-index	214800 47 g-index
50 all docs	50 docs citations	50 times ranked	3021 citing authors

#	Article	IF	Citations
1	Influence of precision livestock farming on the environmental performance of intensive dairy goat farms. Journal of Cleaner Production, 2022, 351, 131518.	9.3	9
2	Effect of dairy cattle production systems on sustaining soil organic carbon storage in grasslands of northern Spain. Regional Environmental Change, 2022, 22, 1.	2.9	12
3	The role of the European small ruminant dairy sector in stabilising global temperatures: lessons from GWP* warming-equivalent emission metrics. Journal of Dairy Research, 2021, 88, 8-15.	1.4	16
4	Evaluating Three-Pillar Sustainability Modelling Approaches for Dairy Cattle Production Systems. Sustainability, 2021, 13, 6332.	3.2	10
5	Estimating soil organic carbon changes in managed temperate moist grasslands with RothC. PLoS ONE, 2021, 16, e0256219.	2.5	8
6	Short- and long-term warming effects of methane may affect the cost-effectiveness of mitigation policies and benefits of low-meat diets. Nature Food, 2021, 2, 970-980.	14.0	21
7	Guidelines for small ruminant production systems under climate emergency in Europe. Small Ruminant Research, 2020, 193, 106261.	1.2	8
8	Future impacts of ozone driven damages on agricultural systems. Atmospheric Environment, 2020, 231, 117538.	4.1	30
9	To what extent is climate change adaptation a novel challenge for agricultural modellers?. Environmental Modelling and Software, 2019, 120, 104492.	4.5	10
10	Empirical and dynamic approaches for modelling the yield and N content of European grasslands. Environmental Modelling and Software, 2019, 122, 104562.	4.5	1
11	Climate Change Impact, Adaptation, and Mitigation in Temperate Grazing Systems: A Review. Sustainability, 2019, 11, 7224.	3.2	63
12	Heat stress risk in European dairy cattle husbandry under different climate change scenarios â€“ uncertainties and potential impacts. Earth System Dynamics, 2019, 10, 859-884.	7.1	47
13	A meta-analysis of environmental factor effects on ammonia emissions from dairy cattle houses. Biosystems Engineering, 2019, 178, 176-183.	4.3	40
14	A systematic review of non-productivity-related animal-based indicators of heat stress resilience in dairy cattle. PLoS ONE, 2018, 13, e0206520.	2.5	62
15	Modeling Regional Effects of Climate Change on Soil Organic Carbon in Spain. Journal of Environmental Quality, 2018, 47, 644-653.	2.0	21
16	Strategies for greenhouse gas emissions mitigation in Mediterranean agriculture: A review. Agriculture, Ecosystems and Environment, 2017, 238, 5-24.	5.3	193
17	SIMSWASTE-AD - A modelling framework for the environmental assessment of agricultural waste management strategies: Anaerobic digestion. Science of the Total Environment, 2017, 574, 806-817.	8.0	45
18	Orchard and horticulture systems in Spanish Mediterranean coastal areas: Is there a real possibility to contribute to C sequestration?. Agriculture, Ecosystems and Environment, 2017, 238, 153-167.	5.3	43

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19	Development of a new model for the simulation of N2O emissions: a case-study on wheat cropping systems under humid Mediterranean climate. Mitigation and Adaptation Strategies for Global Change, 2016, 21, 1107.	2.1	4
20	NUTGRANJA 2.0: a simple mass balance model to explore the effects of different management strategies on nitrogen and greenhouse gases losses and soil phosphorus changes in dairy farms. Mitigation and Adaptation Strategies for Global Change, 2016, 21, 1145.	2.1	2
21	Greenhouse-gas mitigation potential of agro-industrial by-products in the diet of dairy goats in Spain: a life-cycle perspective. Animal Production Science, 2016, 56, 646.	1.3	29
22	Modeling trade-offs among ecosystem services in agricultural production systems. Environmental Modelling and Software, 2015, 72, 314-326.	4.5	64
23	Global Research Alliance Modelling Platform (GRAMP): An open web platform for modelling greenhouse gas emissions from agro-ecosystems. Computers and Electronics in Agriculture, 2015, 111, 112-120.	7.7	12
24	Gaseous emissions from management of solid waste: a systematic review. Global Change Biology, 2015, 21, 1313-1327.	9.5	110
25	Life cycle assessment of first-generation biofuels using a nitrogen crop model. Science of the Total Environment, 2015, 505, 1191-1201.	8.0	23
26	Greenhouse gas mitigation in the agricultural sector in Spain. Mitigation and Adaptation Strategies for Global Change, 2014, 21, 969.	2.1	2
27	First 20 years of DNDC (DeNitrification DeComposition): Model evolution. Ecological Modelling, 2014, 292, 51-62.	2.5	195
28	Reducing nitrous oxide emissions from the global food system. Current Opinion in Environmental Sustainability, 2014, 9-10, 55-64.	6.3	28
29	Yield-scaled mitigation of ammonia emission from N fertilization: the Spanish case. Environmental Research Letters, 2014, 9, 125005.	5.2	65
30	Modelling the interactions between C and N farm balances and GHG emissions from confinement dairy farms in northern Spain. Science of the Total Environment, 2013, 465, 156-165.	8.0	52
31	Whole-farm models to quantify greenhouse gas emissions and their potential use for linking climate change mitigation and adaptation in temperate grassland ruminant-based farming systems. Animal, 2013, 7, 373-385.	3.3	60
32	Manure management for greenhouse gas mitigation. Animal, 2013, 7, 266-282.	3.3	114
33	Opportunities for reducing environmental emissions from forage-based dairy farms. Agricultural and Food Science, 2013, 22, 93-107.	0.9	22
34	Nitrogen and sulphur fertilization effect on leaching losses, nutrient balance and plant quality in a wheatâ€“rapeseed rotation under a humid Mediterranean climate. Nutrient Cycling in Agroecosystems, 2012, 93, 337-355.	2.2	37
35	Cost effectiveness of nitrate leaching mitigation measures for grassland livestock systems at locations in England and Wales. Science of the Total Environment, 2011, 409, 1104-1115.	8.0	16
36	SIMSDAIRY: A modelling framework to identify sustainable dairy farms in the UK. Framework description and test for organic systems and N fertiliser optimisation. Science of the Total Environment, 2011, 409, 3993-4009.	8.0	62

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37	Exploring systems responses to mitigation of GHG in UK dairy farms. Agriculture, Ecosystems and Environment, 2010, 136, 318-332.	5.3	48
38	Use of SIMS_{DAIRY} modelling framework system to compare the scope on the sustainability of a dairy farm of animal and plant genetic-based improvements with management-based changes. Journal of Agricultural Science, 2008, 146, 195-211.	1.3	34
39	A review of farm level modelling approaches for mitigating greenhouse gas emissions from ruminant livestock systems. Livestock Science, 2007, 112, 240-251.	1.6	124
40	Implications of climate change for grassland in Europe: impacts, adaptations and mitigation options: a review. Grass and Forage Science, 2007, 62, 118-126.	2.9	131
41	Impact of NO3 leaching abatement measures on N2O and CH4 emissions from a UK dairy system. International Congress Series, 2006, 1293, 359-362.	0.2	2
42	Principles of Development of a Mass Balance N Cycle Model for Temperate Grasslands: An Irish Case Study. Nutrient Cycling in Agroecosystems, 2006, 74, 115-131.	2.2	26
43	N2O and NO emissions from different N sources and under a range of soil water contents. Nutrient Cycling in Agroecosystems, 2006, 74, 229-243.	2.2	101
44	NGAUGE: A decision support system to optimise N fertilisation of British grassland for economic and environmental goals. Agriculture, Ecosystems and Environment, 2005, 109, 20-39.	5.3	52
45	Increased emissions of nitric oxide and nitrous oxide following tillage of a perennial pasture. Nutrient Cycling in Agroecosystems, 2004, 70, 13-22.	2.2	68
46	Modelling Nitrogen Fluxes at the Landscape Scale. Water, Air and Soil Pollution, 2004, 4, 135-142.	0.8	33
47	Distinguishing sources of N2O in European grasslands by stable isotope analysis. Rapid Communications in Mass Spectrometry, 2004, 18, 1201-1207.	1.5	86
48	Dicyandiamide and 3,4-dimethyl pyrazole phosphate decrease N2O emissions from grassland but dicyandiamide produces deleterious effects in clover. Journal of Plant Physiology, 2003, 160, 1517-1523.	3.5	88