

Alberto Sanz-Cobena

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

3,737
citations

212478

28
h-index

150775

59
g-index

69
all docs

69
docs citations

69
times ranked

4066
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Methodology for Supporting Integration between Refugees and Host Communities: NAUTIA (Need Assessment under a Technological Interdisciplinary Approach). <i>Journal of Refugee Studies</i> , 2022, 34, 4503-4533.	1.0	2
2	Reducing nitrous oxide emissions from irrigated maize by using urea fertilizer in combination with nitrapyrin under different tillage methods. <i>Environmental Science and Pollution Research</i> , 2022, 29, 14846-14855.	2.7	3
3	The relative productivity of organic agriculture must be considered in the full food-system context. A comment on Connor (2022). <i>Agricultural Systems</i> , 2022, 199, 103413.	3.2	1
4	Greenhouse Gases from Agriculture. , 2021, , 1-10.		2
5	Climate-Smart Agriculture Practices for Mitigating Greenhouse Gas Emissions. , 2021, , 303-328.		6
6	Challenges and opportunities for enhancing food security and greenhouse gas mitigation in smallholder farming in sub-Saharan Africa. A review. <i>Food Security</i> , 2021, 13, 457-476.	2.4	25
7	Urban agriculture may change food consumption towards low carbon diets. <i>Global Food Security</i> , 2021, 28, 100507.	4.0	28
8	Implications of a food system approach for policy agenda-setting design. <i>Global Food Security</i> , 2021, 28, 100451.	4.0	22
9	Using the Nitrification Inhibitor Nitrapyrin in Dairy Farm Effluents Does Not Improve Yield-Scaled Nitrous Oxide and Ammonia Emissions but Reduces Methane Flux. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	3
10	Effects of the nitrification inhibitor nitrapyrin and tillage practices on yield-scaled nitrous oxide emission from a maize field in Iran. <i>Pedosphere</i> , 2021, 31, 314-322.	2.1	14
11	Nitrification inhibitor nitrapyrin does not affect yield-scaled nitrous oxide emissions in a tropical grassland. <i>Pedosphere</i> , 2021, 31, 265-278.	2.1	6
12	Mitigating greenhouse gas emissions from croplands and pasturelands " climate-smart agriculture. <i>Pedosphere</i> , 2021, 31, 227-230.	2.1	9
13	Effects of the nitrification inhibitor nitrapyrin and the plant growth regulator gibberellic acid on yield-scale nitrous oxide emission in maize fields under hot climatic conditions. <i>Pedosphere</i> , 2021, 31, 323-331.	2.1	17
14	Mitigation of yield-scaled nitrous oxide emissions and global warming potential in an oilseed rape crop through N source management. <i>Journal of Environmental Management</i> , 2021, 288, 112304.	3.8	22
15	Reshaping the European agro-food system and closing its nitrogen cycle: The potential of combining dietary change, agroecology, and circularity. <i>One Earth</i> , 2021, 4, 839-850.	3.6	85
16	Nitrogen dynamics in cropping systems under Mediterranean climate: a systemic analysis. <i>Environmental Research Letters</i> , 2021, 16, 073002.	2.2	25
17	Effect of Organic Amendment Addition on Soil Properties, Greenhouse Gas Emissions and Grape Yield in Semi-Arid Vineyard Agroecosystems. <i>Agronomy</i> , 2021, 11, 1477.	1.3	14
18	Greenhouse gas emissions from Mediterranean agriculture: Evidence of unbalanced research efforts and knowledge gaps. <i>Global Environmental Change</i> , 2021, 69, 102319.	3.6	31

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19	Long-term trajectories of the C footprint of N fertilization in Mediterranean agriculture (Spain, Tj ETQq1 1 0.784314,rgBT /Oyerlock 10	2.2	15
20	Towards robust on-site ammonia emission measuring techniques based on inverse dispersion modeling. <i>Agricultural and Forest Meteorology</i> , 2021, 307, 108517.	1.9	2
21	Attitudes of academics and students towards English-medium instruction in Engineering Studies. <i>European Journal of Engineering Education</i> , 2021, 46, 1043-1057.	1.5	3
22	Crop production and nitrogen use in European cropland and grassland 1961â€“2019. <i>Scientific Data</i> , 2021, 8, 288.	2.4	26
23	How to measure, report and verify soil carbon change to realize the potential of soil carbon sequestration for atmospheric greenhouse gas removal. <i>Global Change Biology</i> , 2020, 26, 219-241.	4.2	308
24	Production of spinach in intensive Mediterranean horticultural systems can be sustained by organic-based fertilizers without yield penalties and with low environmental impacts. <i>Agricultural Systems</i> , 2020, 178, 102765.	3.2	13
25	Demand-Side Food Policies for Public and Planetary Health. <i>Sustainability</i> , 2020, 12, 5924.	1.6	22
26	Joint mitigation of NH3 and N2O emissions by using two synthetic inhibitors in an irrigated cropping soil. <i>Geoderma</i> , 2020, 373, 114423.	2.3	33
27	Research meetings must be more sustainable. <i>Nature Food</i> , 2020, 1, 187-189.	6.2	7
28	Impact of rainfall to the effectiveness of pig slurry shallow injection method for NH3 mitigation in a Mediterranean soil. <i>Atmospheric Environment</i> , 2019, 216, 116913.	1.9	15
29	Effective climate change mitigation through cover cropping and integrated fertilization: A global warming potential assessment from a 10-year field experiment. <i>Journal of Cleaner Production</i> , 2019, 241, 118307.	4.6	43
30	Long-term changes in greenhouse gas emissions from French agriculture and livestock (1852â€“2014): From traditional agriculture to conventional intensive systems. <i>Science of the Total Environment</i> , 2019, 660, 1486-1501.	3.9	72
31	Opening to Distant Markets or Local Reconnection of Agro-Food Systems? Environmental Consequences at Regional and Global Scales. , 2019, , 391-413.		5
32	The effect of nitrification inhibitors on NH3 and N2O emissions in highly N fertilized irrigated Mediterranean cropping systems. <i>Science of the Total Environment</i> , 2018, 636, 427-436.	3.9	79
33	Urea-based fertilization strategies to reduce yield-scaled N oxides and enhance bread-making quality in a rainfed Mediterranean wheat crop. <i>Agriculture, Ecosystems and Environment</i> , 2018, 265, 421-431.	2.5	45
34	A meta-analysis of soil background N2O emissions from croplands in China shows variation among climatic zones. <i>Agriculture, Ecosystems and Environment</i> , 2018, 267, 63-73.	2.5	38
35	Rainfall amount and distribution regulate DMPP effects on nitrous oxide emissions under semiarid Mediterranean conditions. <i>Agriculture, Ecosystems and Environment</i> , 2017, 238, 36-45.	2.5	30
36	Mitigation and quantification of greenhouse gas emissions in Mediterranean cropping systems. <i>Agriculture, Ecosystems and Environment</i> , 2017, 238, 1-4.	2.5	11

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37	Effect of inhibitors and fertigation strategies on GHG emissions, NO fluxes and yield in irrigated maize. <i>Field Crops Research</i> , 2017, 204, 135-145.	2.3	78
38	Diet management to effectively abate N ₂ O emissions from surface applied pig slurry. <i>Agriculture, Ecosystems and Environment</i> , 2017, 239, 1-11.	2.5	14
39	Strategies for greenhouse gas emissions mitigation in Mediterranean agriculture: A review. <i>Agriculture, Ecosystems and Environment</i> , 2017, 238, 5-24.	2.5	193
40	Direct nitrous oxide emissions in Mediterranean climate cropping systems: Emission factors based on a meta-analysis of available measurement data. <i>Agriculture, Ecosystems and Environment</i> , 2017, 238, 25-35.	2.5	178
41	Management of pig manure to mitigate NO and yield-scaled N ₂ O emissions in an irrigated Mediterranean crop. <i>Agriculture, Ecosystems and Environment</i> , 2017, 238, 55-66.	2.5	38
42	Soil moisture determines the effectiveness of two urease inhibitors to decrease N ₂ O emission. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2016, 21, 1131.	1.0	27
43	Greenhouse gas emissions from natural ecosystems and agricultural lands in sub-Saharan Africa: synthesis of available data and suggestions for further research. <i>Biogeosciences</i> , 2016, 13, 4789-4809.	1.3	75
44	Global Research Alliance Modelling Platform (GRAMP): An open web platform for modelling greenhouse gas emissions from agro-ecosystems. <i>Computers and Electronics in Agriculture</i> , 2015, 111, 112-120.	3.7	12
45	Suitability and uncertainty of two models for the simulation of ammonia dispersion from a pig farm located in an area with frequent calm conditions. <i>Atmospheric Environment</i> , 2015, 102, 167-175.	1.9	19
46	Ammonia and greenhouse gases emission from impermeable covered storage and land application of cattle slurry to bare soil. <i>Agriculture, Ecosystems and Environment</i> , 2015, 199, 261-271.	2.5	38
47	Country Case Studies. , 2015, , 169-231.		0
48	First 20 years of DNDC (DeNitrification DeComposition): Model evolution. <i>Ecological Modelling</i> , 2014, 292, 51-62.	1.2	195
49	Yield-scaled mitigation of ammonia emission from N fertilization: the Spanish case. <i>Environmental Research Letters</i> , 2014, 9, 125005.	2.2	65
50	Do cover crops enhance N ₂ O, CO ₂ or CH ₄ emissions from soil in Mediterranean arable systems?. <i>Science of the Total Environment</i> , 2014, 466-467, 164-174.	3.9	122
51	Meta-analysis of the effect of urease and nitrification inhibitors on crop productivity and nitrogen use efficiency. <i>Agriculture, Ecosystems and Environment</i> , 2014, 189, 136-144.	2.5	442
52	Leakage of nitrous oxide emissions within the Spanish agro-food system in 1961â€“2009. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2014, 21, 975.	1.0	6
53	Role of maize stover incorporation on nitrogen oxide emissions in a non-irrigated Mediterranean barley field. <i>Plant and Soil</i> , 2013, 364, 357-371.	1.8	76
54	The potential of organic fertilizers and water management to reduce N ₂ O emissions in Mediterranean climate cropping systems. A review. <i>Agriculture, Ecosystems and Environment</i> , 2013, 164, 32-52.	2.5	293

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55	Nitrous oxide emissions from European agriculture – an analysis of variability and drivers of emissions from field experiments. <i>Biogeosciences</i> , 2013, 10, 2671-2682.	1.3	108
56	Gaseous emissions of N ₂ O and NO and NO ₃ ⁻ leaching from urea applied with urease and nitrification inhibitors to a maize (<i>Zea mays</i>) crop. <i>Agriculture, Ecosystems and Environment</i> , 2012, 149, 64-73.	2.5	173
57	Effectiveness of urease inhibition on the abatement of ammonia, nitrous oxide and nitric oxide emissions in a non-irrigated Mediterranean barley field. <i>Chemosphere</i> , 2012, 89, 310-318.	4.2	103
58	Societal choice and communicating the European nitrogen challenge. , 2011, , 585-601.		5
59	Effect of water addition and the urease inhibitor NBPT on the abatement of ammonia emission from surface applied urea. <i>Atmospheric Environment</i> , 2011, 45, 1517-1524.	1.9	130
60	Use of an inverse dispersion technique for estimating ammonia emission from surface-applied slurry. <i>Atmospheric Environment</i> , 2010, 44, 999-1002.	1.9	46
61	The importance of the fallow period for N ₂ O and CH ₄ fluxes and nitrate leaching in a Mediterranean irrigated agroecosystem. <i>European Journal of Soil Science</i> , 2010, 61, 710-720.	1.8	45
62	The side effects of nitrification inhibitors on leaching water and soil salinization in a field experiment. <i>Spanish Journal of Agricultural Research</i> , 2010, 8, 218.	0.3	6
63	Comparison of nitrification inhibitors to restrict nitrate leaching in a maize crop irrigated under mediterranean conditions. <i>Spanish Journal of Agricultural Research</i> , 2010, 8, 481.	0.3	13
64	An inhibitor of urease activity effectively reduces ammonia emissions from soil treated with urea under Mediterranean conditions. <i>Agriculture, Ecosystems and Environment</i> , 2008, 126, 243-249.	2.5	142