

# Eduardo Aguilera

## List of Publications by Citations

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48  
papers

1,738  
citations

22  
h-index

41  
g-index

56  
ext. papers

2,225  
ext. citations

7.4  
avg, IF

5.04  
L-index

#	Paper	IF	Citations
48	Managing soil carbon for climate change mitigation and adaptation in Mediterranean cropping systems: A meta-analysis. <i>Agriculture, Ecosystems and Environment</i> , <b>2013</b> , 168, 25-36	5.7	253
47	The potential of organic fertilizers and water management to reduce N <sub>2</sub> O emissions in Mediterranean climate cropping systems. A review. <i>Agriculture, Ecosystems and Environment</i> , <b>2013</b> , 164, 32-52	5.7	222
46	Strategies for greenhouse gas emissions mitigation in Mediterranean agriculture: A review. <i>Agriculture, Ecosystems and Environment</i> , <b>2017</b> , 238, 5-24	5.7	137
45	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> , <b>2017</b> , 238, 25-35	5.7	129
44	Soil carbon sequestration rates under Mediterranean woody crops using recommended management practices: A meta-analysis. <i>Agriculture, Ecosystems and Environment</i> , <b>2016</b> , 235, 204-214	5.7	92
43	Greenhouse gas emissions from conventional and organic cropping systems in Spain. II. Fruit tree orchards. <i>Agronomy for Sustainable Development</i> , <b>2015</b> , 35, 725-737	6.8	77
42	Gaseous emissions from management of solid waste: a systematic review. <i>Global Change Biology</i> , <b>2015</b> , 21, 1313-27	11.4	73
41	How changes in diet and trade patterns have shaped the N cycle at the national scale: Spain (1961-2009). <i>Regional Environmental Change</i> , <b>2014</b> , 14, 785-797	4.3	67
40	Greenhouse gas emissions from conventional and organic cropping systems in Spain. I. Herbaceous crops. <i>Agronomy for Sustainable Development</i> , <b>2015</b> , 35, 713-724	6.8	60
39	Yield-scaled mitigation of ammonia emission from N fertilization: the Spanish case. <i>Environmental Research Letters</i> , <b>2014</b> , 9, 125005	6.2	51
38	The social metabolism of biomass in Spain, 1900-2008: From food to feed-oriented changes in the agro-ecosystems. <i>Ecological Economics</i> , <b>2016</b> , 128, 130-138	5.6	48
37	Changes in soil organic carbon under perennial crops. <i>Global Change Biology</i> , <b>2020</b> , 26, 4158-4168	11.4	42
36	A historical perspective on soil organic carbon in Mediterranean cropland (Spain, 1900-2008). <i>Science of the Total Environment</i> , <b>2018</b> , 621, 634-648	10.2	36
35	Make EU trade with Brazil sustainable. <i>Science</i> , <b>2019</b> , 364, 341	33.3	35
34	Agroecology for adaptation to climate change and resource depletion in the Mediterranean region. A review. <i>Agricultural Systems</i> , <b>2020</b> , 181, 102809	6.1	32
33	Spanish agriculture from 1900 to 2008: a long-term perspective on agroecosystem energy from an agroecological approach. <i>Regional Environmental Change</i> , <b>2018</b> , 18, 995-1008	4.3	31
32	A two-stage DEA approach for quantifying and analysing the inefficiency of conventional and organic rain-fed cereals in Spain. <i>Journal of Cleaner Production</i> , <b>2017</b> , 149, 335-348	10.3	30

31	The Spanish Transition to Industrial Metabolism: Long-Term Material Flow Analysis (1860-2010). <i>Journal of Industrial Ecology</i> , <b>2015</b> , 19, 866-876	7.2	28
30	Agroecosystem energy transitions in the old and new worlds: trajectories and determinants at the regional scale. <i>Regional Environmental Change</i> , <b>2018</b> , 18, 1089-1101	4.3	26
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> , <b>2019</b> , 241, 118307	10.3	25
28	From animals to machines. The impact of mechanization on the carbon footprint of traction in Spanish agriculture: 1900-2014. <i>Journal of Cleaner Production</i> , <b>2019</b> , 221, 295-305	10.3	23
27	Methane Emissions from Artificial Waterbodies Dominate the Carbon Footprint of Irrigation: A Study of Transitions in the Food-Energy-Water-Climate Nexus (Spain, 1900-2014). <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 5091-5101	10.3	22
26	Reshaping the European agro-food system and closing its nitrogen cycle: The potential of combining dietary change, agroecology, and circularity. <i>One Earth</i> , <b>2021</b> , 4, 839-850	8.1	17
25	Land embodied in Spain's biomass trade and consumption (1900-2008): Historical changes, drivers and impacts. <i>Land Use Policy</i> , <b>2018</b> , 78, 493-502	5.6	16
24	Contribution of old wheat varieties to climate change mitigation under contrasting managements and rainfed Mediterranean conditions. <i>Journal of Cleaner Production</i> , <b>2018</b> , 195, 111-121	10.3	16
23	Decoupling Food from Land: The Evolution of Spanish Agriculture from 1960 to 2010. <i>Sustainability</i> , <b>2017</b> , 9, 2348	3.6	14
22	Soil carbon sequestration is a climate stabilization wedge: comments on Sommer and Bossio (2014). <i>Journal of Environmental Management</i> , <b>2015</b> , 153, 48-9	7.9	13
21	The Making of Olive Landscapes in the South of Spain. A History of Continuous Expansion and Intensification. <i>World Terraced Landscapes: History, Environment, Quality of Life Environmental History</i> , <b>2016</b> , 157-179	0.3	11
20	The agrarian metabolism as a tool for assessing agrarian sustainability, and its application to Spanish agriculture (1960-2008). <i>Ecology and Society</i> , <b>2018</b> , 23,	4.1	11
19	Energy transition in Agri-food systems. Structural change, drivers and policy implications (Spain, 1960-2010). <i>Energy Policy</i> , <b>2018</b> , 122, 570-579	7.2	11
18	Climate change and industrialization as the main drivers of Spanish agriculture water stress. <i>Science of the Total Environment</i> , <b>2021</b> , 760, 143399	10.2	10
17	Urban agriculture may change food consumption towards low carbon diets. <i>Global Food Security</i> , <b>2021</b> , 28, 100507	8.3	10
16	C and N mineralisation of straw of traditional and modern wheat varieties in soils of contrasting fertility. <i>Nutrient Cycling in Agroecosystems</i> , <b>2019</b> , 113, 167-179	3.3	7
15	Greenhouse gas emissions from Mediterranean agriculture: Evidence of unbalanced research efforts and knowledge gaps. <i>Global Environmental Change</i> , <b>2021</b> , 69, 102319	10.1	7
14	Leakage of nitrous oxide emissions within the Spanish agro-food system in 1961-2009. <i>Mitigation and Adaptation Strategies for Global Change</i> , <b>2014</b> , 21, 975	3.9	6

13	A global, empirical, harmonised dataset of soil organic carbon changes under perennial crops. <i>Scientific Data</i> , <b>2019</b> , 6, 57	8.2	5
12	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> , <b>2021</b> , 288, 112304	7.9	5
11	Nitrogen dynamics in cropping systems under Mediterranean climate: a systemic analysis. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 073002	6.2	4
10	Addressing the Role of Landraces in the Sustainability of Mediterranean Agroecosystems. <i>Sustainability</i> , <b>2019</b> , 11, 6029	3.6	4
9	Opening to Distant Markets or Local Reconnection of Agro-Food Systems? Environmental Consequences at Regional and Global Scales <b>2019</b> , 391-413		3
8	Modern Wheat Varieties as a Driver of the Degradation of Spanish Rainfed Mediterranean Agroecosystems throughout the 20th Century. <i>Sustainability</i> , <b>2018</b> , 10, 3724	3.6	3
7	Crop production and nitrogen use in European cropland and grassland 1961-2019. <i>Scientific Data</i> , <b>2021</b> , 8, 288	8.2	2
6	Does certified organic farming reduce greenhouse gas emissions from agricultural production? Comment on the McGee study. <i>Agriculture and Human Values</i> , <b>2016</b> , 33, 943-947	2.7	2
5	Long-term trajectories of the C footprint of N fertilization in Mediterranean agriculture (Spain, 1860-2018). <i>Environmental Research Letters</i> , <b>2021</b> , 16, 085010	6.2	2
4	The carbon footprint of the hake supply chain in Spain: Accounting for fisheries, international transportation and domestic distribution. <i>Journal of Cleaner Production</i> , <b>2022</b> , 131979	10.3	1
3	Carbon sequestration offsets a large share of GHG emissions in dehesa cattle production. <i>Journal of Cleaner Production</i> , <b>2022</b> , 358, 131918	10.3	1
2	Disentangling the effect of climate and cropland changes on the water performance of agroecosystems (Spain, 1922-2016). <i>Journal of Cleaner Production</i> , <b>2022</b> , 344, 130811	10.3	0
1	The relative productivity of organic agriculture must be considered in the full food-system context. A comment on Connor (2022). <i>Agricultural Systems</i> , <b>2022</b> , 199, 103413	6.1	