

# Manuel González de Molina

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

1,828  
citations

257450

24  
h-index

276875

41  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1601  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of historical land use and soil management change on soil erosion and agricultural sustainability during the Anthropocene. <i>Anthropocene</i> , 2017, 17, 13-29.	3.3	156
2	The economic potential of agroecology: Empirical evidence from Europe. <i>Journal of Rural Studies</i> , 2019, 71, 46-61.	4.7	127
3	“Sustainable de-growth”™ in agriculture and food: an agro-ecological perspective on Spain’s agri-food system (year 2000). <i>Journal of Cleaner Production</i> , 2013, 38, 27-35.	9.3	99
4	Quantifying the effect of historical soil management on soil erosion rates in Mediterranean olive orchards. <i>Agriculture, Ecosystems and Environment</i> , 2011, 142, 341-351.	5.3	93
5	Olive Cultivation, its Impact on Soil Erosion and its Progression into Yield Impacts in Southern Spain in the Past as a Key to a Future of Increasing Climate Uncertainty. <i>Agriculture (Switzerland)</i> , 2014, 4, 170-198.	3.1	92
6	Opening the black box of energy throughputs in farm systems: A decomposition analysis between the energy returns to external inputs, internal biomass reuses and total inputs consumed (the Vall’s Tj ETQq0 0 0 rgB17 Overload 10 Tf 50		
7	The Social Metabolism. <i>World Terraced Landscapes: History, Environment, Quality of Life Environmental History</i> , 2014, , .	0.3	86
8	Preindustrial agriculture versus organic agriculture. <i>Land Use Policy</i> , 2009, 26, 502-510.	5.6	85
9	The social metabolism of biomass in Spain, 1900–2008: From food to feed-oriented changes in the agro-ecosystems. <i>Ecological Economics</i> , 2016, 128, 130-138.	5.7	61
10	The land cost of agrarian sustainability. An assessment. <i>Land Use Policy</i> , 2011, 28, 825-835.	5.6	53
11	Energy Efficiency in Agrarian Systems From an Agroecological Perspective. <i>Agroecology and Sustainable Food Systems</i> , 2015, 39, 924-952.	1.9	53
12	A historical perspective on soil organic carbon in Mediterranean cropland (Spain, 1900–2008). <i>Science of the Total Environment</i> , 2018, 621, 634-648.	8.0	53
13	Spanish agriculture from 1900 to 2008: a long-term perspective on agroecosystem energy from an agroecological approach. <i>Regional Environmental Change</i> , 2018, 18, 995-1008.	2.9	45
14	Widening the analysis of Energy Return on Investment (EROI) in agro-ecosystems: Socio-ecological transitions to industrialized farm systems (the Vall’s County, Catalonia, c.1860 and 1999). <i>Ecological Modelling</i> , 2016, 336, 13-25.	2.5	41
15	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> , 2019, 221, 295-305.	9.3	41
16	The Spanish Transition to Industrial Metabolism: Long-Term Material Flow Analysis (1860–2010). <i>Journal of Industrial Ecology</i> , 2015, 19, 866-876.	5.5	40
17	Guidelines for Constructing Nitrogen, Phosphorus, and Potassium Balances in Historical Agricultural Systems. <i>Agroecology and Sustainable Food Systems</i> , 2012, 36, 650-682.	0.9	39
18	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> , 2019, 53, 5091-5101.	10.0	38

#	ARTICLE	IF	CITATIONS
19	Principles for designing Agroecology-based Local (territorial) Agri-food Systems: a critical revision. <i>Agroecology and Sustainable Food Systems</i> , 2021, 45, 1050-1082.	1.9	35
20	Environmental constraints on agricultural growth in 19th century granada (Southern Spain). <i>Ecological Economics</i> , 2002, 41, 257-270.	5.7	33
21	Radioisotopic and physicochemical background indicators to assess soil degradation affecting olive orchards in southern Spain. <i>Agriculture, Ecosystems and Environment</i> , 2012, 159, 70-80.	5.3	27
22	The Social Metabolism of Spanish Agriculture, 1900â€“2008. <i>World Terraced Landscapes: History, Environment, Quality of Life Environmental History</i> , 2020, , .	0.3	27
23	Contribution of old wheat varieties to climate change mitigation under contrasting managements and rainfed Mediterranean conditions. <i>Journal of Cleaner Production</i> , 2018, 195, 111-121.	9.3	24
24	Climate change and industrialization as the main drivers of Spanish agriculture water stress. <i>Science of the Total Environment</i> , 2021, 760, 143399.	8.0	24
25	Land embodied in Spainâ€™s biomass trade and consumption (1900â€“2008): Historical changes, drivers and impacts. <i>Land Use Policy</i> , 2018, 78, 493-502.	5.6	23
26	The Socio-Ecological Transition on a Crop Scale: The Case of Olive Orchards in Southern Spain (1750â€“2000). <i>Human Ecology</i> , 2013, 41, 961-969.	1.4	22
27	The Onset of the English Agricultural Revolution: Climate Factors and Soil Nutrients. <i>Journal of Interdisciplinary History</i> , 2017, 47, 445-474.	0.0	21
28	Erosion in the Mediterranean: The Case of Olive Groves in the South of Spain (1752â€“2000). <i>Environmental History</i> , 2013, 18, 360-382.	0.5	20
29	Decoupling Food from Land: The Evolution of Spanish Agriculture from 1960 to 2010. <i>Sustainability</i> , 2017, 9, 2348.	3.2	20
30	The agrarian metabolism as a tool for assessing agrarian sustainability, and its application to Spanish agriculture (1960-2008). <i>Ecology and Society</i> , 2018, 23, .	2.3	20
31	Comparative Energy-Landscape Integrated Analysis (ELIA) of past and present agroecosystems in North America and Europe from the 1830s to the 2010s. <i>Agricultural Systems</i> , 2019, 175, 46-57.	6.1	20
32	Agroecology and Ecological Intensification. A Discussion from a Metabolic Point of View. <i>Sustainability</i> , 2017, 9, 86.	3.2	19
33	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> , 2016, , 157-179.	0.3	17
34	The rise and fall of the cortijo system: scattered rural settlements and the colonization of land in Spain's Mediterranean mountains since 1581. <i>Journal of Historical Geography</i> , 2016, 54, 63-75.	0.7	17
35	Dynamics of organic agriculture in Andalusia: Moving toward conventionalization?. <i>Agroecology and Sustainable Food Systems</i> , 2018, 42, 328-359.	1.9	15
36	Long-term trajectories of the C footprint of N fertilization in Mediterranean agriculture (Spain,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	5.2	15

#	ARTICLE	IF	CITATIONS
37	Energy transition in Agri-food systems. Structural change, drivers and policy implications (Spain,) Tj ETQq1 1 0.784314 rgBT /Overlock	8.8	14
38	An Operational Approach to Agroecology-Based Local Agri-Food Systems. Sustainability, 2021, 13, 8443.	3.2	14
39	On the Andalusian origins of agroecology in Spain and its contribution to shaping agroecological thought. Agroecology and Sustainable Food Systems, 2017, 41, 256-275.	1.9	12
40	Methodological Challenges and General Criteria for Assessing and Designing Local Sustainable Agri-Food Systems: A Socio-Ecological Approach at Landscape Level. Human-environment Interactions, 2017, , 27-67.	1.2	11
41	C and N mineralisation of straw of traditional and modern wheat varieties in soils of contrasting fertility. Nutrient Cycling in Agroecosystems, 2019, 113, 167-179.	2.2	10
42	The close relationship between biophysical degradation, ecosystem services and family farms decline in Spanish agriculture (1992â€“2017). Ecosystem Services, 2022, 56, 101456.	5.4	7
43	Modern Wheat Varieties as a Driver of the Degradation of Spanish Rainfed Mediterranean Agroecosystems throughout the 20th Century. Sustainability, 2018, 10, 3724.	3.2	5
44	Addressing the Role of Landraces in the Sustainability of Mediterranean Agroecosystems. Sustainability, 2019, 11, 6029.	3.2	5
45	Reconciling Boserup with Malthus: Agrarian Change and Soil Degradation in Olive Orchards in Spain (1750â€“2000). , 2014, , 99-116.		3
46	Nutrient Balances and Management of Soil Fertility Prior to the Arrival of Chemical Fertilizers in Andalusia, Southern Spain. Human Ecology Review, 2015, 21, .	0.8	3
47	The Limits of Agricultural Growth in the Nineteenth Century: A Case Study from the Mediterranean World. Environment and History, 2001, 7, 479-499.	0.3	2
48	Social Metabolism: Origins, History, Approaches, and Main Publications. World Terraced Landscapes: History, Environment, Quality of Life Environmental History, 2014, , 43-58.	0.3	2
49	Agrarian Metabolism: The Metabolic Approach Applied to Agriculture. World Terraced Landscapes: History, Environment, Quality of Life Environmental History, 2020, , 1-28.	0.3	2
50	Josep Pujol, una memoraci3n personal, historiogr3fica e hist3rica: Cabeza, sentido y sensaci3n. Historia Agraria, 2020, , I-XIV.	0.2	2
51	Disentangling the effect of climate and cropland changes on the water performance of agroecosystems (Spain, 1922â€“2016). Journal of Cleaner Production, 2022, 344, 130811.	9.3	2
52	Environmental Impacts of Spanish Agricultureâ€™s Industrialization. World Terraced Landscapes: History, Environment, Quality of Life Environmental History, 2020, , 153-179.	0.3	1
53	Social Metabolism at the National Scale. World Terraced Landscapes: History, Environment, Quality of Life Environmental History, 2014, , 115-132.	0.3	0
54	Agricultural Output: From Crop Specialization to Livestocking, 1900â€“2008. World Terraced Landscapes: History, Environment, Quality of Life Environmental History, 2020, , 29-68.	0.3	0

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55	The Metabolism of Spanish Agriculture. World Terraced Landscapes: History, Environment, Quality of Life Environmental History, 2020, , 181-215.	0.3	0
56	Decreasing Income and Reproductive Problems of the Agricultural Population. World Terraced Landscapes: History, Environment, Quality of Life Environmental History, 2020, , 107-151.	0.3	0
57	Agricultural Inputs and Their Energy Costs 1900â€“2010. World Terraced Landscapes: History, Environment, Quality of Life Environmental History, 2020, , 69-106.	0.3	0