

Mario Herrero

List of Publications by Year in Descending Order

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Version: 2024-04-24

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

230
papers

21,857
citations

69
h-index

145
g-index

247
ext. papers

28,453
ext. citations

8.4
avg, IF

6.85
L-index

#	Paper	IF	Citations
230	Perceived effects of COVID-19 restrictions on smallholder farmers: Evidence from seven lower- and middle-income countries.. <i>Agricultural Systems</i> , 2022 , 198, 103367	6.1	2
229	The future of human behaviour research.. <i>Nature Human Behaviour</i> , 2022 , 6, 15-24	12.8	3
228	Viewpoint: Aligning vision and reality in publicly funded agricultural research for development: A case study of CGIAR. <i>Food Policy</i> , 2022 , 107, 102196	5	0
227	Continuity and change in the contemporary Pacific food system. <i>Global Food Security</i> , 2022 , 32, 100608	8.3	0
226	Impacts of heat stress on global cattle production during the 21st century: a modelling study.. <i>Lancet Planetary Health, The</i> , 2022 , 6, e192-e201	9.8	5
225	Socio-Technical Innovation Bundles for Agri-Food Systems Transformation. <i>Sustainable Development Goals Series</i> , 2022 , 1-20	0.5	0
224	Impact Pathways. <i>Sustainable Development Goals Series</i> , 2022 , 169-175	0.5	
223	Envisioning Four Design Objectives for 2045-2070. <i>Sustainable Development Goals Series</i> , 2022 , 55-63	0.5	
222	Technical Appendix. <i>Sustainable Development Goals Series</i> , 2022 , 187-190	0.5	
221	A Profuse Pipeline of Promising Options. <i>Sustainable Development Goals Series</i> , 2022 , 73-158	0.5	
220	The State of Agri-Food Systems and Agri-Food Value Chains in 2020. <i>Sustainable Development Goals Series</i> , 2022 , 21-45	0.5	
219	Socio-Technical Innovation Bundles Tailored to Distinct Agri-Food Systems. <i>Sustainable Development Goals Series</i> , 2022 , 159-168	0.5	
218	The benefits and trade-offs of agricultural diversity for food security in low- and middle-income countries: A review of existing knowledge and evidence. <i>Global Food Security</i> , 2022 , 33, 100645	8.3	0
217	Reply to Comment by Rigolot on "Narratives Behind Livestock Methane Mitigation Studies Matter" <i>AGU Advances</i> , 2021 , 2, e2021AV000549	5.4	1
216	A Typology of Food Environments in the Pacific Region and Their Relationship to Diet Quality in Solomon Islands. <i>Foods</i> , 2021 , 10,	4.9	2
215	Impacts of climate change on the livestock food supply chain; a review of the evidence. <i>Global Food Security</i> , 2021 , 28, 100488	8.3	29
214	Roll-out of the Global Burden of Animal Diseases programme. <i>Lancet, The</i> , 2021 , 397, 1045-1046	40	7

213	The Key Role of Production Efficiency Changes in Livestock Methane Emission Mitigation. <i>AGU Advances</i> , 2021 , 2, e2021AV000391	5.4	8
212	Articulating the effect of food systems innovation on the Sustainable Development Goals. <i>Lancet Planetary Health, The</i> , 2021 , 5, e50-e62	9.8	48
211	Climate warming from managed grasslands cancels the cooling effect of carbon sinks in sparsely grazed and natural grasslands. <i>Nature Communications</i> , 2021 , 12, 118	17.4	34
210	Increases in extreme heat stress in domesticated livestock species during the twenty-first century. <i>Global Change Biology</i> , 2021 , 27, 5762-5772	11.4	10
209	COVID-19 pandemic lessons for agri-food systems innovation. <i>Environmental Research Letters</i> , 2021 , 16, 101001	6.2	2
208	All hat and no cattle: Accountability following the UN food systems summit. <i>Global Food Security</i> , 2021 , 30, 100569	8.3	5
207	How necessary and feasible are reductions of methane emissions from livestock to support stringent temperature goals?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021 , 379, 20200452	3	10
206	Income, consumer preferences, and the future of livestock-derived food demand. <i>Global Environmental Change</i> , 2021 , 70, 102343	10.1	7
205	Viewpoint: Rigorous monitoring is necessary to guide food system transformation in the countdown to the 2030 global goals. <i>Food Policy</i> , 2021 , 104, 102163	5	15
204	The Role of Healthy Diets in Environmentally Sustainable Food Systems. <i>Food and Nutrition Bulletin</i> , 2020 , 41, 31S-58S	1.8	8
203	Towards environmentally sound intensification pathways for dairy development in the Tanga region of Tanzania. <i>Regional Environmental Change</i> , 2020 , 20, 1	4.3	1
202	Innovation can accelerate the transition towards a sustainable food system. <i>Nature Food</i> , 2020 , 1, 266-274	11.4	121
201	What can COVID-19 teach us about responding to climate change?. <i>Lancet Planetary Health, The</i> , 2020 , 4, e174	9.8	19
200	Sustaining healthy diets in times of change: linking climate hazards, food systems and nutrition security in rural communities of the Fiji Islands. <i>Regional Environmental Change</i> , 2020 , 20, 1	4.3	6
199	Livestock policy for sustainable development. <i>Nature Food</i> , 2020 , 1, 160-165	14.4	35
198	Opinion: Sustainable development must account for pandemic risk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 3888-3892	11.5	141
197	Improved feeding and forages at a crossroads: Farming systems approaches for sustainable livestock development in East Africa. <i>Outlook on Agriculture</i> , 2020 , 49, 13-20	2.9	11
196	Global rangeland production systems and livelihoods at threat under climate change and variability. <i>Environmental Research Letters</i> , 2020 , 15, 044021	6.2	22

195	Modelling the global economic consequences of a major African swine fever outbreak in China. <i>Nature Food</i> , 2020 , 1, 221-228	14.4	54
194	Soil carbon sequestration in grazing systems: managing expectations. <i>Climatic Change</i> , 2020 , 161, 385-391	15	
193	Perspective article: Actions to reconfigure food systems. <i>Global Food Security</i> , 2020 , 26, 100432	8.3	12
192	India has natural resource capacity to achieve nutrition security, reduce health risks and improve environmental sustainability. <i>Nature Food</i> , 2020 , 1, 631-639	14.4	9
191	Multiple cropping systems of the world and the potential for increasing cropping intensity. <i>Global Environmental Change</i> , 2020 , 64, 102131	10.1	35
190	A research vision for food systems in the 2020s: Defying the status quo. <i>Global Food Security</i> , 2020 , 26, 100397	8.3	46
189	Water Use in Global Livestock Production Opportunities and Constraints for Increasing Water Productivity. <i>Water Resources Research</i> , 2020 , 56, e2019WR026995	5.4	12
188	The value of climate-resilient seeds for smallholder adaptation in sub-Saharan Africa. <i>Climatic Change</i> , 2020 , 162, 1213-1229	4.5	9
187	Bending the curve of terrestrial biodiversity needs an integrated strategy. <i>Nature</i> , 2020 , 585, 551-556	50.4	149
186	The Global Syndemic of Obesity, Undernutrition, and Climate Change: The Lancet Commission report. <i>Lancet, The</i> , 2019 , 393, 791-846	40	914
185	Food in the Anthropocene: the EAT-Lancet Commission on healthy diets from sustainable food systems. <i>Lancet, The</i> , 2019 , 393, 447-492	40	2664
184	Pathways to carbon-neutrality for the Australian red meat sector. <i>Agricultural Systems</i> , 2019 , 175, 13-21	6.1	22
183	Climate change and variability impacts on grazing herds: Insights from a system dynamics approach for semi-arid Australian rangelands. <i>Global Change Biology</i> , 2019 , 25, 3091-3109	11.4	29
182	The impact of nutrient-rich food choices on agricultural water-use efficiency. <i>Nature Sustainability</i> , 2019 , 2, 233-241	22.1	11
181	Gaps between fruit and vegetable production, demand, and recommended consumption at global and national levels: an integrated modelling study. <i>Lancet Planetary Health, The</i> , 2019 , 3, e318-e329	9.8	93
180	The vulnerabilities of agricultural land and food production to future water scarcity. <i>Global Environmental Change</i> , 2019 , 58, 101944	10.1	60
179	Revisiting enteric methane emissions from domestic ruminants and their CH_4 source signature. <i>Nature Communications</i> , 2019 , 10, 3420	17.4	40
178	Altered grazing systems: pastoralism to conventional agriculture 2019 , 257-275		

177	Food Access Deficiencies in Sub-saharan Africa: Prevalence and Implications for Agricultural Interventions. <i>Frontiers in Sustainable Food Systems</i> , 2019 , 3,	4.8	38
176	MAKING THE MOST OF IMPERFECT DATA: A CRITICAL EVALUATION OF STANDARD INFORMATION COLLECTED IN FARM HOUSEHOLD SURVEYS. <i>Experimental Agriculture</i> , 2019 , 55, 230-250	1.7	18
175	Mapping child growth failure in Africa between 2000 and 2015. <i>Nature</i> , 2018 , 555, 41-47	50.4	118
174	Trends in Global Agricultural Land Use: Implications for Environmental Health and Food Security. <i>Annual Review of Plant Biology</i> , 2018 , 69, 789-815	30.7	286
173	Agricultural diversification as an important strategy for achieving food security in Africa. <i>Global Change Biology</i> , 2018 , 24, 3390-3400	11.4	66
172	Increasing importance of precipitation variability on global livestock grazing lands. <i>Nature Climate Change</i> , 2018 , 8, 214-218	21.4	99
171	Grazing systems expansion and intensification: Drivers, dynamics, and trade-offs. <i>Global Food Security</i> , 2018 , 16, 93-105	8.3	41
170	Structural change as a key component for agricultural non-CO mitigation efforts. <i>Nature Communications</i> , 2018 , 9, 1060	17.4	25
169	The power and pain of market-based carbon policies: a global application to greenhouse gases from ruminant livestock production. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2018 , 23, 349-369	3.9	15
168	Agricultural intensification scenarios, household food availability and greenhouse gas emissions in Rwanda: Ex-ante impacts and trade-offs. <i>Agricultural Systems</i> , 2018 , 163, 16-26	6.1	29
167	Carbon emission avoidance and capture by producing in-reactor microbial biomass based food, feed and slow release fertilizer: Potentials and limitations. <i>Science of the Total Environment</i> , 2018 , 644, 1525-1530	10.2	22
166	Decoupling Livestock from Land Use through Industrial Feed Production Pathways. <i>Environmental Science & Technology</i> , 2018 , 52, 7351-7359	10.3	76
165	The environmental costs and benefits of high-yield farming. <i>Nature Sustainability</i> , 2018 , 1, 477-485	22.1	26
164	A Qualitative Evaluation of CSA Options in Mixed Crop-Livestock Systems in Developing Countries. <i>Natural Resource Management and Policy</i> , 2018 , 385-423	0.2	7
163	Livelihoods and food security in an urban linked, high potential region of Tanzania: Changes over a three year period. <i>Agricultural Systems</i> , 2018 , 160, 87-95	6.1	17
162	Climate change impacts on selected global rangeland ecosystem services. <i>Global Change Biology</i> , 2018 , 24, 1382-1393	11.4	63
161	The market impacts of shortening feed supply chains in Europe. <i>Food Security</i> , 2018 , 10, 1401-1410	6.7	11
160	Household-oriented benefits largely outweigh commercial benefits derived from cattle in Mabalane District, Mozambique. <i>Rangeland Journal</i> , 2018 , 40, 565	1.5	2

159	The potential of future foods for sustainable and healthy diets. <i>Nature Sustainability</i> , 2018 , 1, 782-789	22.1	103
158	Income growth and climate change effects on global nutrition security to mid-century. <i>Nature Sustainability</i> , 2018 , 1, 773-781	22.1	65
157	Options for keeping the food system within environmental limits. <i>Nature</i> , 2018 , 562, 519-525	50.4	925
156	A framework for priority-setting in climate smart agriculture research. <i>Agricultural Systems</i> , 2018 , 167, 161-175	6.1	48
155	The economic potential of residue management and fertilizer use to address climate change impacts on mixed smallholder farmers in Burkina Faso. <i>Agricultural Systems</i> , 2018 , 167, 195-205	6.1	14
154	The role of trade in the greenhouse gas footprints of EU diets. <i>Global Food Security</i> , 2018 , 19, 48-55	8.3	41
153	The environmental costs and benefits of high-yield farming. <i>Nature Sustainability</i> , 2018 , 1, 477-485	22.1	130
152	Defining a land boundary for sustainable livestock consumption. <i>Global Change Biology</i> , 2018 , 24, 4185-4194	11.4	108
151	Closing yield gaps in smallholder goat production systems in Ethiopia and India. <i>Livestock Science</i> , 2018 , 214, 238-244	1.7	16
150	Interactions between intervention packages, climatic risk, climate change and food security in mixed crop-livestock systems in Burkina Faso. <i>Agricultural Systems</i> , 2017 , 151, 217-224	6.1	27
149	Brief history of agricultural systems modeling. <i>Agricultural Systems</i> , 2017 , 155, 240-254	6.1	256
148	Targeting, out-scaling and prioritising climate-smart interventions in agricultural systems: Lessons from applying a generic framework to the livestock sector in sub-Saharan Africa. <i>Agricultural Systems</i> , 2017 , 151, 153-162	6.1	38
147	Is production intensification likely to make farm households food-adequate? A simple food availability analysis across smallholder farming systems from East and West Africa. <i>Food Security</i> , 2017 , 9, 115-131	6.7	40
146	Intensification pathways for beef and dairy cattle production systems: Impacts on GHG emissions, land occupation and land use change. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 240, 135-147	5.7	37
145	Freshwater use in livestock production: To be used for food crops or livestock feed?. <i>Agricultural Systems</i> , 2017 , 155, 1-8	6.1	11
144	Farming and the geography of nutrient production for human use: a transdisciplinary analysis. <i>Lancet Planetary Health, The</i> , 2017 , 1, e33-e42	9.8	188
143	Yield gap analyses to estimate attainable bovine milk yields and evaluate options to increase production in Ethiopia and India. <i>Agricultural Systems</i> , 2017 , 155, 43-51	6.1	31
142	Microbes and the Next Nitrogen Revolution. <i>Environmental Science & Technology</i> , 2017 , 51, 7297-7303	10.3	63

141	Seasonality constraints to livestock grazing intensity. <i>Global Change Biology</i> , 2017 , 23, 1636-1647	11.4	33
140	Reducing greenhouse gas emissions in agriculture without compromising food security?. <i>Environmental Research Letters</i> , 2017 , 12, 105004	6.2	112
139	Natural climate solutions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 11645-11650	11.5	921
138	Quantification of uncertainties in global grazing systems assessment. <i>Global Biogeochemical Cycles</i> , 2017 , 31, 1089-1102	5.9	40
137	Toward a new generation of agricultural system data, models, and knowledge products: State of agricultural systems science. <i>Agricultural Systems</i> , 2017 , 155, 269-288	6.1	188
136	Towards a new generation of agricultural system data, models and knowledge products: Design and improvement. <i>Agricultural Systems</i> , 2017 , 155, 255-268	6.1	67
135	Prioritizing climate-smart livestock technologies in rural Tanzania: A minimum data approach. <i>Agricultural Systems</i> , 2017 , 151, 204-216	6.1	29
134	The marker quantification of the Shared Socioeconomic Pathway 2: A middle-of-the-road scenario for the 21st century. <i>Global Environmental Change</i> , 2017 , 42, 251-267	10.1	349
133	Greenhouse gas emissions intensity of global croplands. <i>Nature Climate Change</i> , 2017 , 7, 63-68	21.4	229
132	Estimation of methane emissions from local and crossbreed beef cattle in Daklak province of Vietnam. <i>Asian-Australasian Journal of Animal Sciences</i> , 2017 , 30, 1054-1060	2.4	5
131	Assessing the land resource-food price nexus of the Sustainable Development Goals. <i>Science Advances</i> , 2016 , 2, e1501499	14.3	116
130	Reducing emissions from agriculture to meet the 2°C target. <i>Global Change Biology</i> , 2016 , 22, 3859-3864	11.4	203
129	Greenhouse gas mitigation potentials in the livestock sector. <i>Nature Climate Change</i> , 2016 , 6, 452-461	21.4	376
128	Closing system-wide yield gaps to increase food production and mitigate GHGs among mixed crop-livestock smallholders in Sub-Saharan Africa. <i>Agricultural Systems</i> , 2016 , 143, 106-113	6.1	30
127	Linking agricultural adaptation strategies, food security and vulnerability: evidence from West Africa. <i>Regional Environmental Change</i> , 2016 , 16, 1305-1317	4.3	72
126	Climate change and pastoralism: impacts, consequences and adaptation. <i>OIE Revue Scientifique Et Technique</i> , 2016 , 35, 417-433	2.5	36
125	Hotspots of gross emissions from the land use sector: patterns, uncertainties, and leading emission sources for the period 2000-2005 in the tropics. <i>Biogeosciences</i> , 2016 , 13, 4253-4269	4.6	23
124	Combining livestock production information in a process-based vegetation model to reconstruct the history of grassland management. <i>Biogeosciences</i> , 2016 , 13, 3757-3776	4.6	23

123	Spatially explicit estimates of N ₂ O emissions from croplands suggest climate mitigation opportunities from improved fertilizer management. <i>Global Change Biology</i> , 2016 , 22, 3383-94	11.4	77
122	Subnational distribution of average farm size and smallholder contributions to global food production. <i>Environmental Research Letters</i> , 2016 , 11, 124010	6.2	197
121	Simulation of enteric methane emissions from individual beef cattle in tropical pastures of improving quality: a case study with the model RUMINANT. <i>Advances in Animal Biosciences</i> , 2016 , 7, 233-234	0.3	1
120	Drivers of household food availability in sub-Saharan Africa based on big data from small farms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 458-63	11.5	182
119	Effect of climate change, CO ₂ trends, nitrogen addition, and land-cover and management intensity changes on the carbon balance of European grasslands. <i>Global Change Biology</i> , 2016 , 22, 338-50	11.4	53
118	Assessing water resource use in livestock production: A review of methods. <i>Livestock Science</i> , 2016 , 187, 68-79	1.7	46
117	Opinion paper: The role of livestock in a sustainable diet: a land-use perspective. <i>Animal</i> , 2016 , 10, 547-93.1	3.1	53
116	Livestock wealth and social capital as insurance against climate risk: A case study of Samburu County in Kenya. <i>Agricultural Systems</i> , 2016 , 146, 44-54	6.1	18
115	Re-framing the climate change debate in the livestock sector: mitigation and adaptation options. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2016 , 7, 869-892	8.4	52
114	Mapping global cropland and field size. <i>Global Change Biology</i> , 2015 , 21, 1980-92	11.4	312
113	High carbon and biodiversity costs from converting Africa's wet savannahs to cropland. <i>Nature Climate Change</i> , 2015 , 5, 481-486	21.4	85
112	Adapting to climate change in the mixed crop and livestock farming systems in sub-Saharan Africa. <i>Nature Climate Change</i> , 2015 , 5, 830-836	21.4	116
111	Livestock and the Environment: What Have We Learned in the Past Decade?. <i>Annual Review of Environment and Resources</i> , 2015 , 40, 177-202	17.2	145
110	Improved global cropland data as an essential ingredient for food security. <i>Global Food Security</i> , 2015 , 4, 37-45	8.3	77
109	New feed sources key to ambitious climate targets. <i>Carbon Balance and Management</i> , 2015 , 10, 26	3.6	39
108	Historical trade-offs of livestock's environmental impacts. <i>Environmental Research Letters</i> , 2015 , 10, 125013	0.3	33
107	Livestock in a changing climate: production system transitions as an adaptation strategy for agriculture. <i>Environmental Research Letters</i> , 2015 , 10, 094021	6.2	64
106	Climate Change Impacts and Mitigation in the Developing World: An Integrated Assessment of the Agriculture and Forestry Sectors. <i>Policy Research Working Papers</i> , 2015 ,	2.1	22

105	LivestockPlus - The sustainable intensification of forage-based agricultural systems to improve livelihoods and ecosystem services in the tropics. <i>Tropical Grasslands - Forrajes Tropicales</i> , 2015 , 3, 59	1.8	53
104	Climate variability and vulnerability to climate change: a review. <i>Global Change Biology</i> , 2014 , 20, 3313-28	1.4	468
103	Exploring future changes in smallholder farming systems by linking socio-economic scenarios with regional and household models. <i>Global Environmental Change</i> , 2014 , 24, 165-182	10.1	82
102	Cattle ranching intensification in Brazil can reduce global greenhouse gas emissions by sparing land from deforestation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 7236-41	11.5	144
101	Climate change adaptation in mixed crop-livestock systems in developing countries. <i>Global Food Security</i> , 2014 , 3, 99-107	8.3	81
100	Farm household models to analyse food security in a changing climate: A review. <i>Global Food Security</i> , 2014 , 3, 77-84	8.3	50
99	Challenges to scenario-guided adaptive action on food security under climate change. <i>Global Environmental Change</i> , 2014 , 28, 383-394	10.1	139
98	The evolution and evaluation of dairy cattle models for predicting milk production: an agricultural model intercomparison and improvement project (AgMIP) for livestock. <i>Animal Production Science</i> , 2014 , 54, 2052	1.4	18
97	Integrating livestock feeds and production systems into agricultural multi-market models: The example of IMPACT. <i>Food Policy</i> , 2014 , 49, 365-377	5	19
96	Climate change mitigation through livestock system transitions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 3709-14	11.5	305
95	Food wedges: Framing the global food demand and supply challenge towards 2050. <i>Global Food Security</i> , 2014 , 3, 125-132	8.3	119
94	Climate change induced transformations of agricultural systems: insights from a global model. <i>Environmental Research Letters</i> , 2014 , 9, 124018	6.2	53
93	Reducing uncertainty in nitrogen budgets for African livestock systems. <i>Environmental Research Letters</i> , 2014 , 9, 105008	6.2	18
92	Transitions in agro-pastoralist systems of East Africa: Impacts on food security and poverty. <i>Agriculture, Ecosystems and Environment</i> , 2013 , 179, 215-230	5.7	88
91	Agriculture. Sustainable intensification in agriculture: premises and policies. <i>Science</i> , 2013 , 341, 33-4	33.3	957
90	Livestock and global change: emerging issues for sustainable food systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20878-81	11.5	190
89	Beyond climate-smart agriculture: toward safe operating spaces for global food systems. <i>Agriculture and Food Security</i> , 2013 , 2,	3.1	76
88	Can agriculture support climate change adaptation, greenhouse gas mitigation and rural livelihoods? insights from Kenya. <i>Climatic Change</i> , 2013 , 118, 151-165	4.5	66

87	Crop Productivity and the Global Livestock Sector: Implications for Land Use Change and Greenhouse Gas Emissions. <i>American Journal of Agricultural Economics</i> , 2013 , 95, 442-448	3.1	81
86	Identifying recommendation domains for targeting dual-purpose maize-based interventions in crop-livestock systems in East Africa. <i>Land Use Policy</i> , 2013 , 30, 834-846	5.6	19
85	Adapting agriculture to climate change in Kenya: household strategies and determinants. <i>Journal of Environmental Management</i> , 2013 , 114, 26-35	7.9	388
84	Derivation of a household-level vulnerability index for empirically testing measures of adaptive capacity and vulnerability. <i>Regional Environmental Change</i> , 2013 , 13, 459-470	4.3	46
83	How much land-based greenhouse gas mitigation can be achieved without compromising food security and environmental goals?. <i>Global Change Biology</i> , 2013 , 19, 2285-302	11.4	358
82	Implications of alternative metrics for global mitigation costs and greenhouse gas emissions from agriculture. <i>Climatic Change</i> , 2013 , 117, 677-690	4.5	46
81	Agricultural productivity and greenhouse gas emissions: trade-offs or synergies between mitigation and food security?. <i>Environmental Research Letters</i> , 2013 , 8, 035019	6.2	109
80	Biomass use, production, feed efficiencies, and greenhouse gas emissions from global livestock systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20888-93	11.5	626
79	Beyond milk, meat, and eggs: Role of livestock in food and nutrition security. <i>Animal Frontiers</i> , 2013 , 3, 6-13	5.5	233
78	The roles of livestock in developing countries. <i>Animal</i> , 2013 , 7 Suppl 1, 3-18	3.1	181
77	Biomass in crop-livestock systems in the context of the livestock revolution. <i>Saferes</i> , 2013 , 24, 330-339		9
76	The Need for Improved Maps of Global Cropland. <i>Eos</i> , 2013 , 94, 31-32	1.5	52
75	Challenges and opportunities for improving eco-efficiency of tropical forage-based systems to mitigate greenhouse gas emissions. <i>Tropical Grasslands - Forrajes Tropicales</i> , 2013 , 1, 156	1.8	26
74	Increasing water productivity in agriculture. 2013 , 104-123		11
73	Private farmers' compensation and viability of protected areas: the case of Nairobi National Park and Kitengela dispersal corridor. <i>International Journal of Sustainable Development and World Ecology</i> , 2012 , 19, 34-43	3.8	9
72	Climate change perception and adaptation of agro-pastoral communities in Kenya. <i>Regional Environmental Change</i> , 2012 , 12, 791-802	4.3	143
71	A method for evaluating climate change adaptation strategies for small-scale farmers using survey, experimental and modeled data. <i>Agricultural Systems</i> , 2012 , 111, 85-95	6.1	100
70	Policies in support of pastoralism and biodiversity in the heterogeneous drylands of East Africa. <i>Pastoralism</i> , 2012 , 2, 14	2.9	20

69	Integrating crops and livestock in subtropical agricultural systems. <i>Journal of the Science of Food and Agriculture</i> , 2012 , 92, 1010-5	4.3	43
68	Competing use of organic resources, village-level interactions between farm types and climate variability in a communal area of NE Zimbabwe. <i>Agricultural Systems</i> , 2011 , 104, 175-190	6.1	93
67	Communicating complexity: Integrated assessment of trade-offs concerning soil fertility management within African farming systems to support innovation and development. <i>Agricultural Systems</i> , 2011 , 104, 191-203	6.1	284
66	Livestock and greenhouse gas emissions: The importance of getting the numbers right. <i>Animal Feed Science and Technology</i> , 2011 , 166-167, 779-782	3	79
65	Pathways for sustainable development of mixed crop livestock systems: Taking a livestock and pro-poor approach. <i>Livestock Science</i> , 2011 , 139, 11-21	1.7	66
64	Community-based interventions for the use and conservation of animal genetic resources: the case of indigenous scavenger chicken production in Benin. <i>Tropical Animal Health and Production</i> , 2011 , 43, 961-6	1.7	7
63	Dielectric 5-branes and giant gravitons in ABJM. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	10
62	Potential for reduced methane and carbon dioxide emissions from livestock and pasture management in the tropics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 19667-72	11.5	177
61	Sustaining intensification of smallholder livestock systems in the tropics. <i>Livestock Science</i> , 2010 , 130, 95-109	1.7	203
60	Adapting to climate change: Agricultural system and household impacts in East Africa. <i>Agricultural Systems</i> , 2010 , 103, 73-82	6.1	140
59	A high-resolution assessment on global nitrogen flows in cropland. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 8035-40	11.5	373
58	Smart investments in sustainable food production: revisiting mixed crop-livestock systems. <i>Science</i> , 2010 , 327, 822-5	33.3	498
57	Livestock Water Use and Productivity in the Nile Basin. <i>Ecosystems</i> , 2010 , 13, 205-221	3.9	21
56	The Inter-Linkages Between Rapid Growth In Livestock Production, Climate Change, And The Impacts On Water Resources, Land Use, And Deforestation. <i>Policy Research Working Papers</i> , 2010 ,	2.1	32
55	GOBLET: An open-source geographic overlaying database and query module for spatial targeting in agricultural systems. <i>Computers and Electronics in Agriculture</i> , 2009 , 68, 114-128	6.5	3
54	Livestock, livelihoods and the environment: understanding the trade-offs. <i>Current Opinion in Environmental Sustainability</i> , 2009 , 1, 111-120	7.2	214
53	Beyond resource constraints Exploring the biophysical feasibility of options for the intensification of smallholder crop-livestock systems in Vihiga district, Kenya. <i>Agricultural Systems</i> , 2009 , 101, 1-19	6.1	71
52	An integrated evaluation of strategies for enhancing productivity and profitability of resource-constrained smallholder farms in Zimbabwe. <i>Agricultural Systems</i> , 2009 , 101, 57-68	6.1	23

51	The impacts of climate change on livestock and livestock systems in developing countries: A review of what we know and what we need to know. <i>Agricultural Systems</i> , 2009 , 101, 113-127	6.1	494
50	Identifying key entry-points for strategic management of smallholder farming systems in sub-Saharan Africa using the dynamic farm-scale simulation model NUANCES-FARMSIM. <i>Agricultural Systems</i> , 2009 , 102, 89-101	6.1	58
49	Lifetime productivity of dairy cows in smallholder farming systems of the Central highlands of Kenya. <i>Animal</i> , 2009 , 3, 1044-56	3.1	42
48	Methods in the Analysis of Maasai Livelihoods. <i>Studies in Human Ecology and Adaptation</i> , 2009 , 43-67	0.8	3
47	Carbon sequestration and farm income in West Africa: Identifying best management practices for smallholder agricultural systems in northern Ghana. <i>Ecological Economics</i> , 2008 , 67, 492-502	5.6	32
46	Systems dynamics and the spatial distribution of methane emissions from African domestic ruminants to 2030. <i>Agriculture, Ecosystems and Environment</i> , 2008 , 126, 122-137	5.7	87
45	Farm intensification and drivers of technology adoption in mixed dairy-crop systems in Santa Cruz, Bolivia. <i>Spanish Journal of Agricultural Research</i> , 2008 , 6, 279	1.1	13
44	Maasai perception of the impact and incidence of malignant catarrhal fever (MCF) in southern Kenya. <i>Preventive Veterinary Medicine</i> , 2007 , 78, 296-316	3.1	48
43	Ecoregional Research for Development. <i>Advances in Agronomy</i> , 2007 , 93, 257-311	7.7	16
42	Coping Strategies in Livestock-dependent Households in East and Southern Africa: A Synthesis of Four Case Studies. <i>Human Ecology</i> , 2007 , 35, 461-476	2	83
41	Livelihood Choices and Returns Among Pastoralists: Evidence from Southern Kenya. <i>Nomadic Peoples</i> , 2007 , 11, 31-55	1.1	9
40	Use of Visual Material for Eliciting Shepherds' Perceptions of Grassland in Highland Peru. <i>Mountain Research and Development</i> , 2007 , 27, 146-152	1.4	3
39	IMPACT: Generic household-level databases and diagnostics tools for integrated crop-livestock systems analysis. <i>Agricultural Systems</i> , 2007 , 92, 240-265	6.1	44
38	Using farmer decision-making profiles and managerial capacity as predictors of farm management and performance in Costa Rican dairy farms. <i>Agricultural Systems</i> , 2006 , 88, 395-428	6.1	26
37	Bio-economic evaluation of farmers' perceptions of viable farms in western Kenya. <i>Agricultural Systems</i> , 2006 , 90, 243-271	6.1	63
36	A Decision Support System for smallholder campesino maize-cattle production systems of the Toluca Valley in Central Mexico. Part II Integrating biological and socio-economic models into a holistic system. <i>Agricultural Systems</i> , 2003 , 75, 1-21	6.1	24
35	A Decision Support System for smallholder campesino maize-cattle production systems of the Toluca Valley in Central Mexico. Part III Emulating the farming system. <i>Agricultural Systems</i> , 2003 , 75, 23-46	6.1	11
34	The role of personal information sources on the decision-making process of Costa Rican dairy farmers. <i>Agricultural Systems</i> , 2003 , 76, 3-18	6.1	75

33	Economic values for production and functional traits in Holstein cattle of Costa Rica. <i>Livestock Science</i> , 2002 , 75, 101-116		28
32	Integrating models of relative abundance of species with the dry-weight-rank method for the botanical analysis of forest understorey vegetation. <i>Grass and Forage Science</i> , 2002 , 57, 171-183	2.3	2
31	Interactions between optimal replacement policies and feeding strategies in dairy herds. <i>Livestock Science</i> , 2001 , 69, 17-31		10
30	Who makes farming decisions? A study of Costa Rican dairy farmers. <i>Agricultural Systems</i> , 2001 , 67, 181-199		7
29	Characterising objective profiles of Costa Rican dairy farmers. <i>Agricultural Systems</i> , 2001 , 67, 153-179	6.1	43
28	Integrated crop-livestock simulation models for scenario analysis and impact assessment. <i>Agricultural Systems</i> , 2001 , 70, 581-602	6.1	127
27	Measurements of physical strength and their relationship to the chemical composition of four species of Brachiaria. <i>Animal Feed Science and Technology</i> , 2001 , 92, 149-158	3	15
26	Intake of lactating and dry dual-purpose cows grazing two species of Brachiaria pastures in Santa Cruz, Bolivia. <i>Proceedings of the British Society of Animal Science</i> , 2001 , 2001, 103-103		
25	Shearing strength as an additional selection criterion for quality in Brachiaria pasture ecotypes. <i>Journal of Agricultural Science</i> , 2000 , 135, 123-130	1	16
24	The effect of fermentable nitrogen availability on in vitro gas production and degradability of NDF. <i>Animal Feed Science and Technology</i> , 2000 , 87, 241-251	3	17
23	The influence of diet of the donor animal on the initial bacterial concentration of ruminal fluid and in vitro gas production degradability parameters. <i>Animal Feed Science and Technology</i> , 2000 , 87, 231-239 ³		4 ¹
22	Modelling the growth and utilisation of kikuyu grass (<i>Pennisetum clandestinum</i>) under grazing. 1. Model definition and parameterisation. <i>Agricultural Systems</i> , 2000 , 65, 73-97	6.1	23
21	Modelling the growth and utilisation of kikuyu grass (<i>Pennisetum clandestinum</i>) under grazing. 2. Model validation and analysis of management practices. <i>Agricultural Systems</i> , 2000 , 65, 99-111	6.1	14
20	Relationships between management intensity and structural and social variables in dairy and dual-purpose systems in Santa Cruz, Bolivia. <i>Agricultural Systems</i> , 2000 , 65, 159-177	6.1	35
19	Modeling extended lactations of dairy cows. <i>Journal of Dairy Science</i> , 2000 , 83, 1371-80	4	5 ¹
18	Comparison of models for describing the lactation curve of latxa sheep and an analysis of factors affecting milk yield. <i>Journal of Dairy Science</i> , 2000 , 83, 2709-19	4	4 ⁰
17	Effect of frequency of ovine ruminal sampling on microbial activity and substrate fermentation. <i>Proceedings of the British Society of Animal Science</i> , 1999 , 1999, 154-154		4
16	Bio-economic evaluation of dairy farm management scenarios using integrated simulation and multiple-criteria models. <i>Agricultural Systems</i> , 1999 , 62, 169-188	6.1	54

15	Nutritional management of dual-purpose youngstock in Costa Rica 2. Pre-weaning growth performance. <i>Proceedings of the British Society of Animal Science</i> , 1998 , 1998, 83-83		
14	A comparison of the gas production profiles of fresh and dry forage. <i>Proceedings of the British Society of Animal Science</i> , 1998 , 1998, 62-62		1
13	Nutritional management of dual-purpose youngstock in Costa Rica 1. A dynamic characterisation of management intensity and productive orientation. <i>Proceedings of the British Society of Animal Science</i> , 1998 , 1998, 82-82		2
12	Broad-based calibrations of in vitro gas production of forages by near-infrared reflectance spectroscopy. <i>BSAP Occasional Publication</i> , 1998 , 22, 234-237		1
11	Modelling fermentation in an in vitro gas production system: effects of microbial activity. <i>BSAP Occasional Publication</i> , 1998 , 22, 81-84		5
10	The rôle of livestock in natural resources management. <i>BSAP Occasional Publication</i> , 1998 , 21, 87-94		1
9	Nutritional management of dual-purpose youngstock in Costa Rica 1. A dynamic characterisation of management intensity and productive orientation. <i>Proceedings of the British Society of Animal Science</i> , 1998 , 1998, 82-82		
8	Nutritional management of dual-purpose youngstock in Costa Rica 2. Pre-weaning growth performance. <i>Proceedings of the British Society of Animal Science</i> , 1998 , 1998, 83-83		
7	Prediction of the in vitro gas production dynamics of kikuyu grass by near-infrared reflectance spectroscopy using spectrally-structured sample populations. <i>Animal Feed Science and Technology</i> , 1997 , 69, 281-287	3	15
6	The role of systems research in grazing management: applications to sustainable cattle production in Latin America. <i>Systems Approaches for Sustainable Agricultural Development</i> , 1997 , 129-136		3
5	Prediction of the in vitro gas production and chemical composition of kikuyu grass by near-infrared reflectance spectroscopy. <i>Animal Feed Science and Technology</i> , 1996 , 60, 51-67	3	20
4	Circularity in animal production requires a change in the EAT-Lancet diet in Europe. <i>Nature Food</i> ,	14.4	2
3	Combining livestock production information in a process based vegetation model to reconstruct the history of grassland management		3
2	China's future food demand and its implications for trade and environment. <i>Nature Sustainability</i> ,	22.1	7
1	Global assessment of grassland carrying capacities and relative stocking densities of livestock		1