Maria Cristina Rulli

List of Publications by Year
in descending order

64	4,843	94433	114465
papers	citations	37 h-index	63 g-index

69	69	69	4612
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global land and water grabbing. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 892-897.	7.1	480
2	The Global Foodâ€Energyâ€Water Nexus. Reviews of Geophysics, 2018, 56, 456-531.	23.0	446
3	Global agricultural economic water scarcity. Science Advances, 2020, 6, eaaz6031.	10.3	334
4	Increased food production and reduced water use through optimized crop distribution. Nature Geoscience, 2017, 10, 919-924.	12.9	238
5	The water-land-food nexus of first-generation biofuels. Scientific Reports, 2016, 6, 22521.	3.3	226
6	The Tragedy of the Grabbed Commons: Coercion and Dispossession in the Global Land Rush. World Development, 2017, 92, 1-12.	4.9	216
7	Accelerated deforestation driven by large-scale land acquisitions in Cambodia. Nature Geoscience, 2015, 8, 772-775.	12.9	164
8	The nexus between forest fragmentation in Africa and Ebola virus disease outbreaks. Scientific Reports, 2017, 7, 41613.	3.3	145
9	The Global Water Grabbing Syndrome. Ecological Economics, 2018, 143, 276-285.	5.7	134
10	A physically based model for the hydrologic control on shallow landsliding. Water Resources Research, 2006, 42, .	4.2	132
11	Closing the yield gap while ensuring water sustainability. Environmental Research Letters, 2018, 13, 104002.	5.2	127
12	Land grabbing: a preliminary quantification of economic impacts on rural livelihoods. Population and Environment, 2014, 36, 180-192.	3.0	120
13	The global value of water in agriculture. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21985-21993.	7.1	112
14	Threats to sustainable development posed by land and water grabbing. Current Opinion in Environmental Sustainability, 2017, 26-27, 120-128.	6.3	111
15	Global unsustainable virtual water flows in agricultural trade. Environmental Research Letters, 2019, 14, 114001.	5.2	108
16	Potential for sustainable irrigation expansion in a 3 Â°C warmer climate. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29526-29534.	7.1	106
17	Resilience in the global food system. Environmental Research Letters, 2017, 12, 025010.	5.2	100
18	Interdependencies and telecoupling of oil palm expansion at the expense of Indonesian rainforest. Renewable and Sustainable Energy Reviews, 2019, 105, 499-512.	16.4	92

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19	Reserves and trade jointly determine exposure to food supply shocks. Environmental Research Letters, 2016, 11, 095009.	5.2	88
20	Alternative cereals can improve water use and nutrient supply in India. Science Advances, 2018, 4, eaao1108.	10.3	87
21	Tropical forest loss enhanced by large-scale land acquisitions. Nature Geoscience, 2020, 13, 482-488.	12.9	87
22	The Waterâ€Energy Nexus of Hydraulic Fracturing: A Global Hydrologic Analysis for Shale Oil and Gas Extraction. Earth's Future, 2018, 6, 745-756.	6.3	61
23	Moderating diets to feed the future. Earth's Future, 2014, 2, 559-565.	6.3	59
24	Land-use change and the livestock revolution increase the risk of zoonotic coronavirus transmission from rhinolophid bats. Nature Food, 2021, 2, 409-416.	14.0	59
25	Food appropriation through large scale land acquisitions. Environmental Research Letters, 2014, 9, 064030.	5.2	58
26	Water limits to closing yield gaps. Advances in Water Resources, 2017, 99, 67-75.	3.8	58
27	New frontiers of land and water commodification: socioâ€environmental controversies of largeâ€scale land acquisitions. Land Degradation and Development, 2017, 28, 2234-2244.	3.9	52
28	The water footprint of land grabbing. Geophysical Research Letters, 2013, 40, 6130-6135.	4.0	51
29	Impact of transnational land acquisitions on local food security and dietary diversity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	51
30	Assessing sustainability of agriculture through water footprint analysis and in-stream monitoring activities. Journal of Cleaner Production, 2018, 200, 454-470.	9.3	45
31	The green and blue crop water requirement WATNEEDS model and its global gridded outputs. Scientific Data, 2020, 7, 273.	5.3	45
32	The fourth food revolution. Nature Geoscience, 2013, 6, 417-418.	12.9	44
33	Socio-Environmental Effects of Large-Scale Land Acquisition in Mozambique. Research for Development, 2018, , 377-389.	0.4	44
34	Global investments in agricultural land and the role of the EU: Drivers, scope and potential impacts. Land Use Policy, 2015, 47, 98-111.	5.6	43
35	Dynamics of a fringe mangrove forest detected by Landsat images in the Mekong River Delta, Vietnam. Earth Surface Processes and Landforms, 2016, 41, 2024-2037.	2.5	42
36	European large-scale farmland investments and the land-water-energy-food nexus. Advances in Water Resources, 2017, 110, 579-590.	3.8	40

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37	The water-land-food nexus of natural rubber production. Journal of Cleaner Production, 2018, 172, 1739-1747.	9.3	40
38	The global land rush and climate change. Earth's Future, 2015, 3, 298-311.	6.3	37
39	Water Savings of Crop Redistribution in the United States. Water (Switzerland), 2017, 9, 83.	2.7	35
40	D-RUSLE: a dynamic model to estimate potential soil erosion with satellite time series in the Italian Alps. European Journal of Remote Sensing, 2019, 52, 34-53.	3.5	29
41	Energy implications of the 21st century agrarian transition. Nature Communications, 2021, 12, 2319.	12.8	28
42	A new dataset of global irrigation areas from 2001 to 2015. Advances in Water Resources, 2021, 152, 103910.	3.8	27
43	Competition for water induced by transnational land acquisitions for agriculture. Nature Communications, 2022, 13, 505.	12.8	24
44	Low Adherence to the EAT-Lancet Sustainable Reference Diet in the Brazilian Population: Findings from the National Dietary Survey 2017â€“2018. Nutrients, 2022, 14, 1187.	4.1	23
45	Climate change and large-scale land acquisitions in Africa: Quantifying the future impact on acquired water resources. Advances in Water Resources, 2016, 94, 231-237.	3.8	21
46	Hydrological consequences of natural rubber plantations in Southeast Asia. Land Degradation and Development, 2020, 31, 2060-2073.	3.9	21
47	Future Scenarios of Soil Erosion in the Alps under Climate Change and Land Cover Transformations Simulated with Automatic Machine Learning. Climate, 2020, 8, 28.	2.8	20
48	Global assessment of natural resources for chicken production. Advances in Water Resources, 2021, 154, 103987.	3.8	19
49	A non-conventional watershed partitioning method for semi-distributed hydrological modelling: the package ALADHYN. Hydrological Processes, 2002, 16, 277-291.	2.6	14
50	The science of evidence: the value of global studies on land rush. Journal of Peasant Studies, 2013, 40, 907-909.	4.5	13
51	Hydrological implications of large-scale afforestation in tropical biomes for climate change mitigation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, .	4.0	12
52	The neglected costs of water peace. Wiley Interdisciplinary Reviews: Water, 2018, 5, e1316.	6.5	11
53	Global assessment of land and water resource demand for pork supply. Environmental Research Letters, 2022, 17, 074003.	5.2	10
54	A growing produce bubble: United States produce tied to Mexicoâ€™s unsustainable agricultural water use. Environmental Research Letters, 0, , .	5.2	8

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55	Values-Based Scenarios of Water Security: Rights to Water, Rights of Waters, and Commercial Water Rights. BioScience, 2021, 71, 1157-1170.	4.9	7
56	Present and future distribution of bat hosts of sarbecoviruses: implications for conservation and public health. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, .	2.6	7
57	Coupling the water footprint accounting of crops and in-stream monitoring activities at the catchment scale. MethodsX, 2018, 5, 1221-1240.	1.6	6
58	Largeâ€scale land acquisition as a potential driver of slope instability. Land Degradation and Development, 2021, 32, 1773-1785.	3.9	6
59	The value generated by irrigation in the command areas of new agricultural dams in Africa. Agricultural Water Management, 2022, 264, 107517.	5.6	5
60	Socio-environmental impacts of diamond mining areas in the Democratic Republic of Congo. Science of the Total Environment, 2022, 810, 152037.	8.0	4
61	Water resources constraints in achieving silk production self-sufficiency in India. Advances in Water Resources, 2021, 154, 103962.	3.8	1
62	Prompting sustainability in the citrus derivates industry: A case study. Cleaner Engineering and Technology, 2021, 4, 100127.	4.0	1
63	Satellite-based cover management factor assessment for soil water erosion in the Alps. , 2018, , .		1
64	Global water grabbing and food insecurity. , 2020, , 113-128.		1