

Davide D Chiarelli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4649171/publications.pdf>

Version: 2024-02-01

28
papers

1,777
citations

430843

18
h-index

526264

27
g-index

39
all docs

39
docs citations

39
times ranked

1778
citing authors

#	ARTICLE	IF	CITATIONS
1	The Global Food-Energy-Water Nexus. <i>Reviews of Geophysics</i> , 2018, 56, 456-531.	23.0	446
2	Global agricultural economic water scarcity. <i>Science Advances</i> , 2020, 6, eaaz6031.	10.3	334
3	Closing the yield gap while ensuring water sustainability. <i>Environmental Research Letters</i> , 2018, 13, 104002.	5.2	127
4	The global value of water in agriculture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21985-21993.	7.1	112
5	Global unsustainable virtual water flows in agricultural trade. <i>Environmental Research Letters</i> , 2019, 14, 114001.	5.2	108
6	Potential for sustainable irrigation expansion in a 3 Å°C warmer climate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29526-29534.	7.1	106
7	Alternative cereals can improve water use and nutrient supply in India. <i>Science Advances</i> , 2018, 4, eaao1108.	10.3	87
8	Water limits to closing yield gaps. <i>Advances in Water Resources</i> , 2017, 99, 67-75.	3.8	58
9	Impact of transnational land acquisitions on local food security and dietary diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	51
10	The green and blue crop water requirement WATNEEDS model and its global gridded outputs. <i>Scientific Data</i> , 2020, 7, 273.	5.3	45
11	Socio-Environmental Effects of Large-Scale Land Acquisition in Mozambique. <i>Research for Development</i> , 2018, , 377-389.	0.4	44
12	The water-land-food nexus of natural rubber production. <i>Journal of Cleaner Production</i> , 2018, 172, 1739-1747.	9.3	40
13	D-RUSLE: a dynamic model to estimate potential soil erosion with satellite time series in the Italian Alps. <i>European Journal of Remote Sensing</i> , 2019, 52, 34-53.	3.5	29
14	Energy implications of the 21st century agrarian transition. <i>Nature Communications</i> , 2021, 12, 2319.	12.8	28
15	Competition for water induced by transnational land acquisitions for agriculture. <i>Nature Communications</i> , 2022, 13, 505.	12.8	24
16	Climate change and large-scale land acquisitions in Africa: Quantifying the future impact on acquired water resources. <i>Advances in Water Resources</i> , 2016, 94, 231-237.	3.8	21
17	Hydrological consequences of natural rubber plantations in Southeast Asia. <i>Land Degradation and Development</i> , 2020, 31, 2060-2073.	3.9	21
18	Future Scenarios of Soil Erosion in the Alps under Climate Change and Land Cover Transformations Simulated with Automatic Machine Learning. <i>Climate</i> , 2020, 8, 28.	2.8	20

#	ARTICLE	IF	CITATIONS
19	Global assessment of natural resources for chicken production. <i>Advances in Water Resources</i> , 2021, 154, 103987.	3.8	19
20	Hydrological implications of large-scale afforestation in tropical biomes for climate change mitigation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, .	4.0	12
21	Global assessment of land and water resource demand for pork supply. <i>Environmental Research Letters</i> , 2022, 17, 074003.	5.2	10
22	Oil palm cultivation can be expanded while sparing biodiversity in India. <i>Nature Food</i> , 2021, 2, 442-447.	14.0	8
23	A growing produce bubble: United States produce tied to Mexico's unsustainable agricultural water use. <i>Environmental Research Letters</i> , 0, , .	5.2	8
24	Large-scale land acquisition as a potential driver of slope instability. <i>Land Degradation and Development</i> , 2021, 32, 1773-1785.	3.9	6
25	The value generated by irrigation in the command areas of new agricultural dams in Africa. <i>Agricultural Water Management</i> , 2022, 264, 107517.	5.6	5
26	Socio-environmental impacts of diamond mining areas in the Democratic Republic of Congo. <i>Science of the Total Environment</i> , 2022, 810, 152037.	8.0	4
27	Water resources constraints in achieving silk production self-sufficiency in India. <i>Advances in Water Resources</i> , 2021, 154, 103962.	3.8	1
28	Satellite-based cover management factor assessment for soil water erosion in the Alps. , 2018, , .		1