

Alessandro Ossola

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,454
citations

279701

23
h-index

360920

35
g-index

47
all docs

47
docs citations

47
times ranked

2248
citing authors

#	ARTICLE	IF	CITATIONS
1	Extreme heat increases stomatal conductance and drought-induced mortality risk in vulnerable plant species. <i>Global Change Biology</i> , 2022, 28, 1133-1146.	4.2	97
2	Variation in Vegetation Structure and Composition across Urban Green Space Types. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	1.1	79
3	Integrating solutions to adapt cities for climate change. <i>Lancet Planetary Health</i> , The, 2021, 5, e479-e486.	5.1	70
4	Soil Carbon and Carbon/Nitrogen Ratio Change under Tree Canopy, Tall Grass, and Turf Grass Areas of Urban Green Space. <i>Journal of Environmental Quality</i> , 2016, 45, 215-223.	1.0	58
5	Urban agriculture as a nature-based solution to address socio-ecological challenges in Australian cities. <i>Urban Forestry and Urban Greening</i> , 2021, 60, 127059.	2.3	54
6	Habitat complexity influences fine scale hydrological processes and the incidence of stormwater runoff in managed urban ecosystems. <i>Journal of Environmental Management</i> , 2015, 159, 1-10.	3.8	51
7	Situating Green Infrastructure in Context: A Framework for Adaptive Socio-Hydrology in Cities. <i>Water Resources Research</i> , 2017, 53, 10139-10154.	1.7	51
8	Urban Gardens as a Space to Engender Biophilia: Evidence and Ways Forward. <i>Frontiers in Built Environment</i> , 2018, 4, .	1.2	49
9	Substantial declines in urban tree habitat predicted under climate change. <i>Science of the Total Environment</i> , 2019, 685, 451-462.	3.9	49
10	A Simple Method for Simulating Drought Effects on Plants. <i>Frontiers in Plant Science</i> , 2019, 10, 1715.	1.7	49
11	Urban change as an untapped opportunity for climate adaptation. <i>Npj Urban Sustainability</i> , 2021, 1, .	3.7	49
12	Measuring urban tree loss dynamics across residential landscapes. <i>Science of the Total Environment</i> , 2018, 612, 940-949.	3.9	48
13	Gardening can relieve human stress and boost nature connection during the COVID-19 pandemic. <i>Urban Forestry and Urban Greening</i> , 2022, 68, 127483.	2.3	48
14	Yards increase forest connectivity in urban landscapes. <i>Landscape Ecology</i> , 2019, 34, 2935-2948.	1.9	47
15	Small vegetated patches greatly reduce urban surface temperature during a summer heatwave in Adelaide, Australia. <i>Landscape and Urban Planning</i> , 2021, 209, 104046.	3.4	46
16	Greening in style: Urban form, architecture and the structure of front and backyard vegetation. <i>Landscape and Urban Planning</i> , 2019, 185, 141-157.	3.4	41
17	A global horizon scan of the future impacts of robotics and autonomous systems on urban ecosystems. <i>Nature Ecology and Evolution</i> , 2021, 5, 219-230.	3.4	39
18	Species evenness affects ecosystem processes in situ via diversity in the adaptive strategies of dominant species. <i>Plant Ecology</i> , 2010, 207, 333-345.	0.7	37

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19	Choosing the right nature-based solutions to meet diverse urban challenges. <i>Urban Forestry and Urban Greening</i> , 2021, 65, 127337.	2.3	37
20	Habitat Complexity Enhances Comminution and Decomposition Processes in Urban Ecosystems. <i>Ecosystems</i> , 2016, 19, 927-941.	1.6	36
21	The Global Urban Tree Inventory: A database of the diverse tree flora that inhabits the world's cities. <i>Global Ecology and Biogeography</i> , 2020, 29, 1907-1914.	2.7	36
22	Where birds felt louder: The garden as a refuge during COVID-19. <i>Wellbeing, Space and Society</i> , 2021, 2, 100055.	0.9	33
23	A global database for metacommunity ecology, integrating species, traits, environment and space. <i>Scientific Data</i> , 2020, 7, 6.	2.4	28
24	Making nature-based solutions climate-ready for the 50 °C world. <i>Environmental Science and Policy</i> , 2021, 123, 151-159.	2.4	28
25	Butterfly richness and abundance along a gradient of imperviousness and the importance of matrix quality. <i>Ecological Applications</i> , 2020, 30, e02144.	1.8	27
26	COVID-19 gardening could herald a greener, healthier future. <i>Frontiers in Ecology and the Environment</i> , 2021, 19, 491-493.	1.9	27
27	Meeting sustainable development goals via robotics and autonomous systems. <i>Nature Communications</i> , 2022, 13, .	5.8	24
28	Climate differentiates forest structure across a residential macrosystem. <i>Science of the Total Environment</i> , 2018, 639, 1164-1174.	3.9	23
29	Urban habitat complexity affects species richness but not environmental filtering of morphologically-diverse ants. <i>PeerJ</i> , 2015, 3, e1356.	0.9	23
30	Urban forest invertebrates: how they shape and respond to the urban environment. <i>Urban Ecosystems</i> , 2022, 25, 1589-1609.	1.1	16
31	Aridity indices predict organic matter decomposition and comminution processes at landscape scale. <i>Ecological Indicators</i> , 2017, 78, 531-540.	2.6	15
32	Contrasting effects of urban habitat complexity on metabolic functional diversity and composition of litter and soil bacterial communities. <i>Urban Ecosystems</i> , 2017, 20, 595-607.	1.1	14
33	Assessing the relationship between trait-based and horticultural classifications of plant responses to drought. <i>Urban Forestry and Urban Greening</i> , 2021, 61, 127109.	2.3	14
34	The angriest summer on record: Assessing canopy damage and economic costs of an extreme climatic event. <i>Urban Forestry and Urban Greening</i> , 2021, 63, 127221.	2.3	13
35	Using ecological knowledge for landscaping with plants in cities. <i>Ecological Engineering</i> , 2020, 158, 106049.	1.6	12
36	Valuing the Role of Time in Urban Ecology. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	12

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37	A transformative mission for prioritising nature in Australian cities. <i>Ambio</i> , 2022, 51, 1433-1445.	2.8	12
38	Experiences of gardening during the early stages of the COVID-19 pandemic. <i>Health and Place</i> , 2022, 76, 102854.	1.5	12
39	Creating Socioecological Novelty in Urban Agroecosystems from the Ground Up. <i>BioScience</i> , 2018, 68, 25-34.	2.2	11
40	Toward cross-realm management of coastal urban ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2021, 19, 225-233.	1.9	10
41	Plant biodiversity in the face of global change. <i>Current Biology</i> , 2020, 30, R390-R391.	1.8	7
42	The Provision of Urban Ecosystem Services Throughout the Private-Social-Public Domain: A Conceptual Framework. <i>Cities and the Environment</i> , 2018, 11, 1-15.	0.1	7
43	Spatial contagion structures urban vegetation from parcel to landscape. <i>People and Nature</i> , 2022, 4, 88-102.	1.7	6
44	Lost food narratives can grow human health in cities. <i>Frontiers in Ecology and the Environment</i> , 2018, 16, 560-562.	1.9	5