

Carlotta Ferrara

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

2,256
citations

471509

17
h-index

233421

45
g-index

66
all docs

66
docs citations

66
times ranked

4533
citing authors

#	ARTICLE	IF	CITATIONS
1	TRY plant trait database – enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
2	Long-Term Urban Growth and Land Use Efficiency in Southern Europe: Implications for Sustainable Land Management. <i>Sustainability</i> , 2015, 7, 3359-3385.	3.2	202
3	Soil Matters? A Multivariate Analysis of Socioeconomic Constraints to Urban Expansion in Mediterranean Europe. <i>Ecological Economics</i> , 2018, 146, 173-183.	5.7	161
4	In-between sprawl and fires: long-term forest expansion and settlement dynamics at the wildland–urban interface in Rome, Italy. <i>International Journal of Sustainable Development and World Ecology</i> , 2015, 22, 467-475.	5.9	89
5	Assessing trends in climate aridity and vulnerability to soil degradation in Italy. <i>Ecological Indicators</i> , 2015, 48, 599-604.	6.3	85
6	Assessing Impacts of Climate Change on Phenology and Quality Traits of <i>Vitis vinifera</i> L.: The Contribution of Local Knowledge. <i>Plants</i> , 2019, 8, 121.	3.5	42
7	A comprehensive insight into the geography of forest cover in Italy: Exploring the importance of socioeconomic local contexts. <i>Forest Policy and Economics</i> , 2017, 75, 12-22.	3.4	41
8	A dataset of leaf inclination angles for temperate and boreal broadleaf woody species. <i>Annals of Forest Science</i> , 2018, 75, 1.	2.0	36
9	An intensity, image-based method to estimate gap fraction, canopy openness and effective leaf area index from phase-shift terrestrial laser scanning. <i>Agricultural and Forest Meteorology</i> , 2020, 280, 107766.	4.8	31
10	Monitoring Shallow Soil Water Content Under Natural Field Conditions Using the Early-Time GPR Signal Technique. <i>Vadose Zone Journal</i> , 2013, 12, 1-9.	2.2	27
11	The local-scale impact of soil salinization on the socioeconomic context: An exploratory analysis in Italy. <i>Catena</i> , 2015, 127, 312-322.	5.0	27
12	Remotely-sensed phenology of Italian forests: Going beyond the species. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019, 74, 314-321.	2.8	25
13	Towards sustainable rural landscapes? a multivariate analysis of the structure of traditional tree cropping systems along a human pressure gradient in a mediterranean region. <i>Agroforestry Systems</i> , 2017, 91, 1199-1217.	2.0	22
14	An objective image analysis method for estimation of canopy attributes from digital cover photography. <i>Trees - Structure and Function</i> , 2018, 32, 713-723.	1.9	22
15	OPENING THE FRONTIER: THE GUBBIO–PERUGIA FRONTIER IN THE COURSE OF HISTORY. <i>Papers of the British School at Rome</i> , 2012, 80, 257-294.	0.0	21
16	Do changes in vegetation quality precede urban sprawl?. <i>Area</i> , 2013, 45, 365-375.	1.6	20
17	Agro-Forest Management and Soil Degradation in Mediterranean Environments: Towards a Strategy for Sustainable Land Use in Vineyard and Olive Cropland. <i>Sustainability</i> , 2018, 10, 2565.	3.2	18
18	The background context matters: Local-scale socioeconomic conditions and the spatial distribution of wildfires in Italy. <i>Science of the Total Environment</i> , 2019, 654, 43-52.	8.0	18

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19	An integrated evaluation of soil resource depletion from diachronic settlement maps and soil cartography in peri-urban Rome, Italy. <i>Geoderma</i> , 2014, 232-234, 394-405.	5.1	17
20	Continuous observations of forest canopy structure using low-cost digital camera traps. <i>Agricultural and Forest Meteorology</i> , 2021, 307, 108516.	4.8	17
21	Indirect validation of the Environmental Sensitive Area Index using soil degradation indicators: A country-scale approach. <i>Ecological Indicators</i> , 2015, 57, 360-365.	6.3	16
22	Fifteen years of changes in fire ignition frequency in Sardinia (Italy): A rich-get-richer process. <i>Ecological Indicators</i> , 2019, 104, 543-548.	6.3	15
23	Toward forest "sprawl" monitoring and planning a changing landscape for urban sustainability. <i>Journal of Forestry Research</i> , 2016, 27, 175-184.	3.6	13
24	A new method to estimate clumping index integrating gap fraction averaging with the analysis of gap size distribution. <i>Canadian Journal of Forest Research</i> , 2019, 49, 471-479.	1.7	13
25	Nondestructive Tree Stem and Crown Volume Allometry in Hybrid Poplar Plantations Derived from Terrestrial Laser Scanning. <i>Forest Science</i> , 2020, 66, 737-746.	1.0	12
26	Comparison of GPR and unilateral NMR for water content measurements in a laboratory scale experiment. <i>Near Surface Geophysics</i> , 2013, 11, 143-153.	1.2	11
27	A sampling design strategy to reduce survey costs in forest monitoring. <i>Ecological Indicators</i> , 2017, 81, 182-191.	6.3	11
28	Estimating late spring frost-induced growth anomalies in European beech forests in Italy. <i>International Journal of Biometeorology</i> , 2019, 63, 1039-1049.	3.0	11
29	Ground penetrating radar as remote sensing technique to investigate the root system architecture. <i>Applied Ecology and Environmental Research</i> , 2014, 12, 695-702.	0.5	11
30	Towards a sustainable agro-forest landscape? assessing land degradation (1950-2010) and soil quality in Castelporziano forest and peri-urban Rome, Italy. <i>Rendiconti Lincei</i> , 2015, 26, 597-604.	2.2	9
31	Non-Invasive Moisture Detection for the Preservation of Cultural Heritage. <i>Heritage</i> , 2018, 1, 163-170.	1.9	9
32	Estimated Biomass Loss Caused by the Vaia Windthrow in Northern Italy: Evaluation of Active and Passive Remote Sensing Options. <i>Remote Sensing</i> , 2021, 13, 4924.	4.0	9
33	Towards a socioeconomic profile for areas vulnerable to soil compaction? A case study in a Mediterranean country. <i>Geoderma</i> , 2015, 247-248, 97-107.	5.1	8
34	Development of digital photographic approaches to assess leaf traits in broadleaf tree species. <i>Ecological Indicators</i> , 2019, 106, 105547.	6.3	8
35	Characterizing the climatic niche of mast seeding in beech: Evidences of trade-offs between vegetation growth and seed production. <i>Ecological Indicators</i> , 2021, 121, 107139.	6.3	8
36	Testing an expanded set of sustainable forest management indicators in Mediterranean coppice area. <i>Ecological Indicators</i> , 2021, 130, 108040.	6.3	8

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37	Sampling strategies for high quality time-series of climatic variables in forest resource assessment. <i>IForest</i> , 2017, 10, 739-745.	1.4	8
38	Changes at the fringe: Soil quality and environmental vulnerability during intense urban expansion. <i>Eurasian Soil Science</i> , 2014, 47, 1069-1075.	1.6	7
39	Unravelling landslide risk: soil susceptibility, agro-forest systems and the socio-economic profile of rural communities in Italy. <i>Soil Use and Management</i> , 2015, 31, 290-298.	4.9	7
40	The 2007 crisis and Greek wildfires: a multivariate analysis of suppression times. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 714.	2.7	7
41	Multi-temporal dataset of stand and canopy structural data in temperate and Mediterranean coppice forests. <i>Annals of Forest Science</i> , 2019, 76, 1.	2.0	7
42	Toward sustainable forest management indicators? A data mining approach to evaluate the impact of silvicultural practices on stand structure. <i>International Journal of Sustainable Development and World Ecology</i> , 2017, 24, 372-382.	5.9	6
43	Sustainable Land-Use, Wildfires, and Evolving Local Contexts in a Mediterranean Country, 2000-2015. <i>Sustainability</i> , 2018, 10, 3911.	3.2	6
44	A New Approach to Land-Use Structure: Patch Perimeter Metrics as a Spatial Analysis Tool. <i>Sustainability</i> , 2018, 10, 2147.	3.2	6
45	The long breadth of cities: revisiting worldwide urbanization patterns, 1950-2030. <i>Applied Economics</i> , 2020, 52, 4162-4174.	2.2	6
46	A comparison of ground-based count methods for quantifying seed production in temperate broadleaved tree species. <i>Annals of Forest Science</i> , 2021, 78, 1.	2.0	6
47	Evaluating sampling schemes for quantifying seed production in beech (<i>Fagus sylvatica</i>) forests using ground quadrats. <i>Forest Ecology and Management</i> , 2021, 493, 119294.	3.2	6
48	Characterizing subcanopy structure of Mediterranean forests by terrestrial laser scanning data. <i>Remote Sensing Applications: Society and Environment</i> , 2021, 24, 100620.	1.5	6
49	An evaluation of the early-time GPR amplitude technique for electrical conductivity monitoring. , 2013, , .		5
50	Not necessarily buried bodies: Forensic GPR investigations from criminal to civil justice. , 2015, , .		5
51	Traditional and TLS-based forest inventories of beech and pine forests located in Sila National Park: A dataset. <i>Data in Brief</i> , 2021, 34, 106617.	1.0	5
52	Economic Downturns and Land-Use Change: A Spatial Analysis of Urban Transformations in Rome (Italy) Using a Geographically Weighted Principal Component Analysis. <i>Sustainability</i> , 2021, 13, 11293.	3.2	5
53	Enhancing wall-to-wall forest structure mapping through detailed co-registration of airborne and terrestrial laser scanning data in Mediterranean forests. <i>Ecological Informatics</i> , 2022, 67, 101497.	5.2	5
54	Towards soil water scarcity? An exploratory time-series analysis of the aridity index in Castelporziano forest, Rome. <i>Rendiconti Lincei</i> , 2015, 26, 289-295.	2.2	3

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55	Exploring Nonlinear Intra-Annual Growth Dynamics in <i>Fagus sylvatica</i> L. Trees at the Italian ICP-Forests Level II Network. <i>Forests</i> , 2019, 10, 584.	2.1	3
56	A posteriori GPR Evaluation of Tree Stability: A Case Study in Rome (Italy). <i>Remote Sensing</i> , 2019, 11, 1301.	4.0	3
57	Relations between GPR early-time signal attributes and ground permittivity: A numerical investigation. , 2014, , .		2
58	Numerical and experimental surveys on the GPR early-time signal features for the evaluation of shallow-soil permittivity. , 2014, , .		2
59	Exploring the multiplicity of soilâ€‘human interactions: organic carbon content, agro-forest landscapes and the Italian local communities. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 283.	2.7	2
60	Easy-To-Interpret Procedure to Analyze Fire Seasonality and the Influence of Land Use in Fire Occurrence: A Case Study in Central Italy. <i>Fire</i> , 2020, 3, 46.	2.8	2
61	Estimating wildfire suppression costs: a systematic review. <i>International Forestry Review</i> , 2022, 24, 15-29.	0.6	2
62	Ground-Penetrating Radar technique to investigate historic eruptions on the Mt. Etna volcano (Sicily,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		1
63	When the Crime Scene Is the Road: Forensic Geoscience Indicators Applied to Road Infrastructure and Urban Greening. <i>Geosciences (Switzerland)</i> , 2016, 6, 50.	2.2	1
64	Integrated GPR and unilateral NMR approach to estimate water content in a porous material. , 2011, , .		0
65	You can't make an omelette without breaking some eggs: in which way can non-destructive and destructive techniques coexist?. , 2014, , .		0