Carlotta Ferrara

List of Publications by Year
in descending order

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	Enhancing wall-to-wall forest structure mapping through detailed co-registration of airborne and terrestrial laser scanning data in Mediterranean forests. Ecological Informatics, 2022, 67, 101497.	5.2	5
2	Estimating wildfire suppression costs: a systematic review. International Forestry Review, 2022, 24, 15-29.	0.6	2
3	A comparison of ground-based count methods for quantifying seed production in temperate broadleaved tree species. Annals of Forest Science, 2021, 78, 1.	2.0	6
4	Traditional and TLS-based forest inventories of beech and pine forests located in Sila National Park: A dataset. Data in Brief, 2021, 34, 106617.	1.0	5
5	Characterizing the climatic niche of mast seeding in beech: Evidences of trade-offs between vegetation growth and seed production. Ecological Indicators, 2021, 121, 107139.	6.3	8
6	Evaluating sampling schemes for quantifying seed production in beech (Fagus sylvatica) forests using ground quadrats. Forest Ecology and Management, 2021, 493, 119294.	3.2	6
7	Continuous observations of forest canopy structure using low-cost digital camera traps. Agricultural and Forest Meteorology, 2021, 307, 108516.	4.8	17
8	Characterizing subcanopy structure of Mediterranean forests by terrestrial laser scanning data. Remote Sensing Applications: Society and Environment, 2021, 24, 100620.	1.5	6
9	Testing an expanded set of sustainable forest management indicators in Mediterranean coppice area. Ecological Indicators, 2021, 130, 108040.	6.3	8
10	Economic Downturns and Land-Use Change: A Spatial Analysis of Urban Transformations in Rome (Italy) Using a Geographically Weighted Principal Component Analysis. Sustainability, 2021, 13, 11293.	3.2	5
11	Estimated Biomass Loss Caused by the Vaia Windthrow in Northern Italy: Evaluation of Active and Passive Remote Sensing Options. Remote Sensing, 2021, 13, 4924.	4.0	9
12	An intensity, image-based method to estimate gap fraction, canopy openness and effective leaf area index from phase-shift terrestrial laser scanning. Agricultural and Forest Meteorology, 2020, 280, 107766.	4.8	31
13	TRY plant trait database â€" enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
14	Nondestructive Tree Stem and Crown Volume Allometry in Hybrid Poplar Plantations Derived from Terrestrial Laser Scanning. Forest Science, 2020, 66, 737-746.	1.0	12
15	Easy-To-Interpret Procedure to Analyze Fire Seasonality and the Influence of Land Use in Fire Occurrence: A Case Study in Central Italy. Fire, 2020, 3, 46.	2.8	2
16	The long breadth of cities: revisiting worldwide urbanization patterns, 1950â€"2030. Applied Economics, 2020, 52, 4162-4174.	2.2	6
17	Multi-temporal dataset of stand and canopy structural data in temperate and Mediterranean coppice forests. Annals of Forest Science, 2019, 76, 1.	2.0	7
18	Development of digital photographic approaches to assess leaf traits in broadleaf tree species. Ecological Indicators, 2019, 106, 105547.	6.3	8

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19	Exploring Nonlinear Intra-Annual Growth Dynamics in Fagus sylvatica L. Trees at the Italian ICP-Forests Level II Network. Forests, 2019, 10, 584.	2.1	3
20	Fifteen years of changes in fire ignition frequency in Sardinia (Italy): A rich-get-richer process. Ecological Indicators, 2019, 104, 543-548.	6.3	15
21	Assessing Impacts of Climate Change on Phenology and Quality Traits of Vitis vinifera L.: The Contribution of Local Knowledge. Plants, 2019, 8, 121.	3.5	42
22	Estimating late spring frost-induced growth anomalies in European beech forests in Italy. International Journal of Biometeorology, 2019, 63, 1039-1049.	3.0	11
23	A posteriori GPR Evaluation of Tree Stability: A Case Study in Rome (Italy). Remote Sensing, 2019, 11, 1301.	4.0	3
24	The background context matters: Local-scale socioeconomic conditions and the spatial distribution of wildfires in Italy. Science of the Total Environment, 2019, 654, 43-52.	8.0	18
25	A new method to estimate clumping index integrating gap fraction averaging with the analysis of gap size distribution. Canadian Journal of Forest Research, 2019, 49, 471-479.	1.7	13
26	Remotely-sensed phenology of Italian forests: Going beyond the species. International Journal of Applied Earth Observation and Geoinformation, 2019, 74, 314-321.	2.8	25
27	An objective image analysis method for estimation of canopy attributes from digital cover photography. Trees - Structure and Function, 2018, 32, 713-723.	1.9	22
28	A dataset of leaf inclination angles for temperate and boreal broadleaf woody species. Annals of Forest Science, 2018, 75, 1.	2.0	36
29	Soil Matters? A Multivariate Analysis of Socioeconomic Constraints to Urban Expansion in Mediterranean Europe. Ecological Economics, 2018, 146, 173-183.	5.7	161
30	Sustainable Land-Use, Wildfires, and Evolving Local Contexts in a Mediterranean Country, 2000–2015. Sustainability, 2018, 10, 3911.	3.2	6
31	The 2007 crisis and Greek wildfires: a multivariate analysis of suppression times. Environmental Monitoring and Assessment, 2018, 190, 714.	2.7	7
32	Agro-Forest Management and Soil Degradation in Mediterranean Environments: Towards a Strategy for Sustainable Land Use in Vineyard and Olive Cropland. Sustainability, 2018, 10, 2565.	3.2	18
33	A New Approach to Land-Use Structure: Patch Perimeter Metrics as a Spatial Analysis Tool. Sustainability, 2018, 10, 2147.	3.2	6
34	Non-Invasive Moisture Detection for the Preservation of Cultural Heritage. Heritage, 2018, 1, 163-170.	1.9	9
35	A comprehensive insight into the geography of forest cover in Italy: Exploring the importance of socioeconomic local contexts. Forest Policy and Economics, 2017, 75, 12-22.	3.4	41
36	A sampling design strategy to reduce survey costs in forest monitoring. Ecological Indicators, 2017, 81, 182-191.	6.3	11

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37	Towards sustainable rural landscapes? a multivariate analysis of the structure of traditional tree cropping systems along a human pressure gradient in a mediterranean region. Agroforestry Systems, 2017, 91, 1199-1217.	2.0	22
38	Toward sustainable forest management indicators? A data mining approach to evaluate the impact of silvicultural practices on stand structure. International Journal of Sustainable Development and World Ecology, 2017, 24, 372-382.	5.9	6
39	Sampling strategies for high quality time-series of climatic variables in forest resource assessment. IForest, 2017, 10, 739-745.	1.4	8
40	When the Crime Scene Is the Road: Forensic Geoscience Indicators Applied to Road Infrastructure and Urban Greening. Geosciences (Switzerland), 2016, 6, 50.	2.2	1
41	Toward forest â€œsprawlâ€ monitoring and planning a changing landscape for urban sustainability. Journal of Forestry Research, 2016, 27, 175-184.	3.6	13
42	Unravelling landslide risk: soil susceptibility, agroâ€forest systems and the socioâ€economic profile of rural communities in Italy. Soil Use and Management, 2015, 31, 290-298.	4.9	7
43	Long-Term Urban Growth and Land Use Efficiency in Southern Europe: Implications for Sustainable Land Management. Sustainability, 2015, 7, 3359-3385.	3.2	202
44	Exploring the multiplicity of soilâ€"human interactions: organic carbon content, agro-forest landscapes and the Italian local communities. Environmental Monitoring and Assessment, 2015, 187, 283.	2.7	2
45	The local-scale impact of soil salinization on the socioeconomic context: An exploratory analysis in Italy. Catena, 2015, 127, 312-322.	5.0	27
46	Towards a sustainable agro-forest landscape? assessing land degradation (1950â€"2010) and soil quality in Castelporziano forest and peri-urban Rome, Italy. Rendiconti Lincei, 2015, 26, 597-604.	2.2	9
47	Indirect validation of the Environmental Sensitive Area Index using soil degradation indicators: A country-scale approach. Ecological Indicators, 2015, 57, 360-365.	6.3	16
48	Towards a socioeconomic profile for areas vulnerable to soil compaction? A case study in a Mediterranean country. Geoderma, 2015, 247-248, 97-107.	5.1	8
49	Towards soil water scarcity? An exploratory time-series analysis of the aridity index in Castelporziano forest, Rome. Rendiconti Lincei, 2015, 26, 289-295.	2.2	3
50	In-between sprawl and fires: long-term forest expansion and settlement dynamics at the wildlandâ€"urban interface in Rome, Italy. International Journal of Sustainable Development and World Ecology, 2015, 22, 467-475.	5.9	89
51	Not necessarily buried bodies: Forensic GPR investigations from criminal to civil justice. , 2015, , .		5
52	Assessing trends in climate aridity and vulnerability to soil degradation in Italy. Ecological Indicators, 2015, 48, 599-604.	6.3	85
53	Changes at the fringe: Soil quality and environmental vulnerability during intense urban expansion. Eurasian Soil Science, 2014, 47, 1069-1075.	1.6	7
54	You can't make an omelette without breaking some eggs: in which way can non-destructive and destructive techniques coexist?. , 2014, , .		0

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55	Relations between GPR early-time signal attributes and ground permittivity: A numerical investigation. , 2014, , .		2
56	An integrated evaluation of soil resource depletion from diachronic settlement maps and soil cartography in peri-urban Rome, Italy. Geoderma, 2014, 232-234, 394-405.	5.1	17
57	Numerical and experimental surveys on the GPR early-time signal features for the evaluation of shallow-soil permittivity. , 2014, , .		2
58	Ground penetrating radar as remote sensing technique to investigate the root system architecture. Applied Ecology and Environmental Research, 2014, 12, 695-702.	0.5	11
59	Ground-Penetrating Radar technique to investigate historic eruptions on the Mt. Etna volcano (Sicily,) Tj ETQq1 1 0.784314 rgBT /Overl		1
60	Do changes in vegetation quality precede urban sprawl?. Area, 2013, 45, 365-375.	1.6	20
61	An evaluation of the early-time GPR amplitude technique for electrical conductivity monitoring. , 2013, , .		5
62	Comparison of GPR and unilateral NMR for water content measurements in a laboratory scale experiment. Near Surface Geophysics, 2013, 11, 143-153.	1.2	11
63	Monitoring Shallow Soil Water Content Under Natural Field Conditions Using the Early-Time GPR Signal Technique. Vadose Zone Journal, 2013, 12, 1-9.	2.2	27
64	OPENING THE FRONTIER: THE GUBBIO–PERUGIA FRONTIER IN THE COURSE OF HISTORY. Papers of the British School at Rome, 2012, 80, 257-294.	0.0	21
65	Integrated GPR and unilateral NMR approach to estimate water content in a porous material. , 2011, , .		0