

Alessandro Zaldei

List of Publications by Year in descending order

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47
papers

2,506
citations

304701

22
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214788

47
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all docs

47
docs citations

47
times ranked

4257
citing authors

#	ARTICLE	IF	CITATIONS
1	Field calibration of a low-cost sensors network to assess traffic-related air pollution along the Brenner highway. <i>Atmospheric Environment</i> , 2022, 275, 119008.	4.1	10
2	Direct observations of CO2 emission reductions due to COVID-19 lockdown across European urban districts. <i>Science of the Total Environment</i> , 2022, 830, 154662.	8.0	37
3	The role of emissions and meteorology in driving CO2 concentrations in urban areas. <i>Environmental Science and Pollution Research</i> , 2021, 28, 29908-29918.	5.3	4
4	Low-Cost Air Quality Stationsâ€™ Capability to Integrate Reference Stations in Particulate Matter Dynamics Assessment. <i>Atmosphere</i> , 2021, 12, 1065.	2.3	3
5	Unveiling the changes in urban atmospheric CO2 in the time of COVID-19 pandemic: A case study of Florence (Italy). <i>Science of the Total Environment</i> , 2021, 795, 148877.	8.0	9
6	Seasonal and diurnal variations of greenhouse gases in Florence (Italy): Inferring sources and sinks from carbon isotopic ratios. <i>Science of the Total Environment</i> , 2020, 698, 134245.	8.0	9
7	Quantifying road traffic impact on air quality in urban areas: A Covid19-induced lockdown analysis in Italy. <i>Environmental Pollution</i> , 2020, 267, 115682.	7.5	77
8	Individual Tree Crown Segmentation in Two-Layered Dense Mixed Forests from UAV LiDAR Data. <i>Drones</i> , 2020, 4, 10.	4.9	22
9	Performances Evaluation of a Low-Cost Platform for High-Resolution Plant Phenotyping. <i>Sensors</i> , 2020, 20, 3150.	3.8	14
10	Long-Term Performance Assessment of Low-Cost Atmospheric Sensors in the Arctic Environment. <i>Sensors</i> , 2020, 20, 1919.	3.8	11
11	Carbon sequestration capacity and productivity responses of Mediterranean olive groves under future climates and management options. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2019, 24, 467-491.	2.1	18
12	Atmospheric Dynamics and Ozone Cycle during Sea Breeze in a Mediterranean Complex Urbanized Coastal Site. <i>Journal of Applied Meteorology and Climatology</i> , 2018, 57, 1083-1099.	1.5	18
13	UAV-based high-throughput phenotyping to discriminate barley vigour with visible and near-infrared vegetation indices. <i>International Journal of Remote Sensing</i> , 2018, 39, 5330-5344.	2.9	42
14	Development of Low-Cost Air Quality Stations for Next Generation Monitoring Networks: Calibration and Validation of PM2.5 and PM10 Sensors. <i>Sensors</i> , 2018, 18, 2843.	3.8	73
15	Performance Analysis of Planetary Boundary Layer Parameterization Schemes in WRF Modeling Set Up over Southern Italy. <i>Atmosphere</i> , 2018, 9, 272.	2.3	35
16	Estimation of Water Stress in Grapevines Using Proximal and Remote Sensing Methods. <i>Remote Sensing</i> , 2018, 10, 114.	4.0	90
17	Development and Performance Assessment of a Low-Cost UAV Laser Scanner System (LasUAV). <i>Remote Sensing</i> , 2018, 10, 1094.	4.0	27
18	Composition and emission of VOC from biogas produced by illegally managed waste landfills in Giugliano (Campania, Italy) and potential impact on the local population. <i>Science of the Total Environment</i> , 2018, 640-641, 377-386.	8.0	37

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19	Multisensor approach to assess vineyard thermal dynamics combining high-resolution unmanned aerial vehicle (UAV) remote sensing and wireless sensor network (WSN) proximal sensing. <i>Scientia Horticulturae</i> , 2017, 221, 83-87.	3.6	43
20	Elevated field atmospheric CO ₂ concentrations affect the characteristics of winter wheat (cv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	1.5	20
21	An integrated low-cost road traffic and air pollution monitoring platform for next citizen observatories. <i>Transportation Research Procedia</i> , 2017, 24, 531-538.	1.5	18
22	Forestry applications of UAVs in Europe: a review. <i>International Journal of Remote Sensing</i> , 2017, 38, 2427-2447.	2.9	325
23	An integrated low-cost road traffic and air pollution monitoring platform to assess vehicles' air quality impact in urban areas. <i>Transportation Research Procedia</i> , 2017, 27, 609-616.	1.5	9
24	Increasing atmospheric CO ₂ modifies durum wheat grain quality and pasta cooking quality. <i>Journal of Cereal Science</i> , 2016, 69, 245-251.	3.7	10
25	Rainfall regimes control C-exchange of Mediterranean olive orchard. <i>Agriculture, Ecosystems and Environment</i> , 2016, 233, 147-157.	5.3	13
26	Biochar mineralization and priming effect on SOM decomposition in two European short rotation coppices. <i>GCB Bioenergy</i> , 2015, 7, 1150-1160.	5.6	66
27	Intercomparison of UAV, Aircraft and Satellite Remote Sensing Platforms for Precision Viticulture. <i>Remote Sensing</i> , 2015, 7, 2971-2990.	4.0	455
28	Improving high resolution emission inventories with local proxies and urban eddy covariance flux measurements. <i>Atmospheric Environment</i> , 2015, 115, 246-256.	4.1	22
29	WhiteRef: A New Tower-Based Hyperspectral System for Continuous Reflectance Measurements. <i>Sensors</i> , 2015, 15, 1088-1105.	3.8	19
30	Influence of road traffic, residential heating and meteorological conditions on PM ₁₀ concentrations during air pollution critical episodes. <i>Environmental Science and Pollution Research</i> , 2015, 22, 19027-19038.	5.3	22
31	Durum wheat quality prediction in Mediterranean environments: From local to regional scale. <i>European Journal of Agronomy</i> , 2014, 61, 1-9.	4.1	14
32	The BLLAST field experiment: Boundary-Layer Late Afternoon and Sunset Turbulence. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10931-10960.	4.9	151
33	CO ₂ , CH ₄ and Particles Flux Measurements in Florence, Italy. <i>Energy Procedia</i> , 2013, 40, 537-544.	1.8	3
34	Simulation of olive grove gross primary production by the combination of ground and multi-sensor satellite data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2013, 23, 29-36.	2.8	13
35	Short-term cropland responses to temperature extreme events during late winter. <i>Biogeosciences</i> , 2013, 10, 5545-5553.	3.3	6
36	Durum wheat modeling: The Delphi system, 11 years of observations in Italy. <i>European Journal of Agronomy</i> , 2012, 43, 108-118.	4.1	18

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37	Decreased summer drought affects plant productivity and soil carbon dynamics in a Mediterranean woodland. <i>Biogeosciences</i> , 2011, 8, 2729-2739.	3.3	52
38	Comparing carbon fluxes between different stages of secondary succession of a karst grassland. <i>Agriculture, Ecosystems and Environment</i> , 2011, 140, 199-207.	5.3	32
39	Validating an integrated strategy to model net land carbon exchange against aircraft flux measurements. <i>Remote Sensing of Environment</i> , 2010, 114, 1108-1116.	11.0	9
40	Sensible and latent heat flux from radiometric surface temperatures at the regional scale: methodology and evaluation. <i>Biogeosciences</i> , 2009, 6, 1975-1986.	3.3	22
41	Carbon Dioxide Emissions of the City Center of Firenze, Italy: Measurement, Evaluation, and Source Partitioning. <i>Journal of Applied Meteorology and Climatology</i> , 2009, 48, 1940-1947.	1.5	65
42	A wireless sensor network for precision viticulture: The NAV system. <i>Computers and Electronics in Agriculture</i> , 2009, 69, 51-58.	7.7	103
43	Carbon Dioxide and Acetone Air-Sea Fluxes over the Southern Atlantic. <i>Environmental Science & Technology</i> , 2009, 43, 5218-5222.	10.0	33
44	CEFLES2: the remote sensing component to quantify photosynthetic efficiency from the leaf to the region by measuring sun-induced fluorescence in the oxygen absorption bands. <i>Biogeosciences</i> , 2009, 6, 1181-1198.	3.3	115
45	Compact_Eddy: A compact, low consumption remotely controlled eddy covariance logging system. <i>Computers and Electronics in Agriculture</i> , 2008, 64, 343-346.	7.7	12
46	The TasFACE climate-change impacts experiment: design and performance of combined elevated CO ₂ and temperature enhancement in a native Tasmanian grassland. <i>Australian Journal of Botany</i> , 2006, 54, 1.	0.6	62
47	Free-air CO ₂ enrichment (FACE) of a poplar plantation: the POPFACE fumigation system. <i>New Phytologist</i> , 2001, 150, 465-476.	7.3	238