Katia Perini

List of Publications by Year in descending order

39 papers	2,282 citations	430442 18 h-index	433756 31 g-index
48 all docs	48 docs citations	48 times ranked	1849 citing authors

#	Article	IF	Citations
1	Microclimatic and Environmental Improvement in a Mediterranean City through the Regeneration of an Area with Nature-Based Solutions: A Case Study. Sustainability, 2022, 14, 5847.	1.6	5
2	MosSkin: A moss-based lightweight building system. Building and Environment, 2022, 221, 109283.	3.0	3
3	Particularities of having plants at home during the confinement due to the COVID-19 pandemic. Urban Forestry and Urban Greening, 2021, 59, 126919.	2.3	57
4	Greening the Building Envelope. PoliTO Springer Series, 2021, , 401-414.	0.3	0
5	A global horizon scan of the future impacts of robotics and autonomous systems on urban ecosystems. Nature Ecology and Evolution, 2021, 5, 219-230.	3.4	39
6	Ventilative Cooling and Urban Vegetation. PoliTO Springer Series, 2021, , 213-234.	0.3	1
7	Environmental Sustainability of Building Retrofit through Vertical Greening Systems: A Life-Cycle Approach. Sustainability, 2021, 13, 4886.	1.6	13
8	Nature-Based Solutions: Thermal Comfort Improvement and Psychological Wellbeing, a Case Study in Genoa, Italy. Sustainability, 2021, 13, 11638.	1.6	9
9	Urban performance and density: Generative study on interdependencies of urban form and environmental measures. Sustainable Cities and Society, 2020, 53, 101952.	5.1	45
10	Experiencing innovative biomaterials for buildings: Potentialities of mosses. Building and Environment, 2020, 172, 106708.	3.0	13
11	Selection of (Green) Roof Systems: A Sustainability-Based Multi-Criteria Analysis. Buildings, 2019, 9, 134.	1.4	43
12	Vertical Greening Systems. , 2018, , 45-54.		11
13	Green Streets to Enhance Outdoor Comfort. , 2018, , 119-129.		11
14	Vertical Greening Systems for Pollutants Reduction. , 2018, , 131-140.		4
15	Green Streets for Pollutants Reduction. , 2018, , 149-156.		4
16	Life Cycle Assessment of Vertical Greening Systems. , 2018, , 333-340.		2
17	Sensing transient outdoor comfort: A georeferenced method to monitor and map microclimate. Journal of Building Engineering, 2018, 20, 94-104.	1.6	30
18	Evaluating the economic sustainability of a vertical greening system: A Cost-Benefit Analysis of a pilot project in mediterranean area. Building and Environment, 2018, 142, 524-533.	3.0	29

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19	Quantification of fine dust deposition on different plant species in a vertical greening system. Ecological Engineering, 2017, 100, 268-276.	1.6	128
20	Vertical greening systems evaporation measurements: does plant species influence cooling performances?. International Journal of Ventilation, 2017, 16, 152-160.	0.2	9
21	The use of vertical greening systems to reduce the energy demand for air conditioning. Field monitoring in Mediterranean climate. Energy and Buildings, 2017, 143, 35-42.	3.1	86
22	Comparative experimental approach to investigate the thermal behaviour of vertical greened faÃ§ades of buildings. Ecological Engineering, 2017, 108, 152-161.	1.6	49
23	Modeling and simulating urban outdoor comfort: Coupling ENVI-Met and TRNSYS by grasshopper. Energy and Buildings, 2017, 152, 373-384.	3.1	112
24	Environmental Assessment Tools: Toward an Interlinked Sustainable Design of Cities and Buildings. The Cases of Vado Ligure and Altare Municipalities (Italy). Environmental Management and Sustainable Development, 2017, 6, 119.	0.1	1
25	Is greening the building envelope economically sustainable? An analysis to evaluate the advantages of economy of scope of vertical greening systems and green roofs. Urban Forestry and Urban Greening, 2016, 20, 328-337.	2.3	60
26	Is Greening the Building Envelope a Sustainable Design Practice?. Journal of Civil Engineering and Architecture, 2016, 10, .	0.0	1
27	The perception of green integrated into architecture: installation of a green facade in Genoa, Italy. AIMS Environmental Science, 2015, 2, 899-909.	0.7	17
28	Life cycle assessment (LCA) of green faÃ§ades and living wall systems. , 2014, , 457-483.		12
29	Effects of vegetation, urban density, building height, and atmospheric conditions on local temperatures and thermal comfort. Urban Forestry and Urban Greening, 2014, 13, 495-506.	2.3	349
30	Designing green faÃ§ades and living wall systems for sustainable constructions. International Journal of Design and Nature and Ecodynamics, 2014, 9, 31-46.	0.3	15
31	Retrofitting with vegetation recent building heritage applying a design toolâ€"the case study of a school building. Frontiers of Architectural Research, 2013, 2, 267-277.	1.3	17
32	Costâ€"benefit analysis for green faÃ§ades and living wall systems. Building and Environment, 2013, 70, 110-121.	3.0	249
33	Vertical greening systems, a process tree for green faÃ§ades and living walls. Urban Ecosystems, 2013, 16, 265-277.	1.1	113
34	Diffusion of Sustainable Construction Practices. A Case of International Cooperation. Open Journal of Energy Efficiency, 2013, 02, 46-52.	0.6	2
35	The Integration of Vegetation in Architecture, Vertical and Horizontal Greened Surfaces. International Journal of Biology, 2012, 4, .	0.1	20
36	Comparative life cycle analysis for green faÃ§ades and living wall systems. Energy and Buildings, 2011, 43, 3419-3429.	3.1	253

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37	Vertical greening systems and the effect on air flow and temperature on the building envelope. Building and Environment, 2011, 46, 2287-2294.	3.0	330
38	Greening the building envelope, facade greening and living wall systems. Open Journal of Ecology, 2011, 01, 1-8.	0.4	116
39	Urban Ecosystems and Biodiversity. , 0, , 257-318.		9