

# Francesco Leccese

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

1,066  
citations

430442

18  
h-index

454577

30  
g-index

64  
all docs

64  
docs citations

64  
times ranked

869  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ventilated facades energy performance in summer cooling of buildings. <i>Solar Energy</i> , 2003, 75, 491-502.	2.9	140
2	Energy analysis of ventilated and microventilated roofs. <i>Solar Energy</i> , 2005, 79, 183-192.	2.9	58
3	A method to assess lighting quality in educational rooms using analytic hierarchy process. <i>Building and Environment</i> , 2020, 168, 106501.	3.0	58
4	Passive thermal behaviour of buildings: Performance of external multi-layered walls and influence of internal walls. <i>Applied Energy</i> , 2018, 225, 1078-1089.	5.1	54
5	Measurement of CO2 concentration for occupancy estimation in educational buildings with energy efficiency purposes. <i>Journal of Building Engineering</i> , 2020, 32, 101714.	1.6	53
6	On the impact of safety requirements, energy prices and investment costs in street lighting refurbishment design. <i>Energy</i> , 2018, 165, 739-759.	4.5	44
7	Towards a holistic approach to indoor environmental quality assessment: Weighting schemes to combine effects of multiple environmental factors. <i>Energy and Buildings</i> , 2021, 245, 111056.	3.1	39
8	Impact of Illumination Correlated Color Temperature, Background Lightness, and Painting Color Content on Color Appearance and Appreciation of Paintings. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2020, 16, 25-44.	1.5	38
9	Advancement on Thermal Comfort in Educational Buildings: Current Issues and Way Forward. <i>Sustainability</i> , 2021, 13, 10315.	1.6	33
10	Blue Light Hazard and Risk Group Classification of 8 W LED Tubes, Replacing Fluorescent Tubes, through Optical Radiation Measurements. <i>Sustainability</i> , 2015, 7, 13454-13468.	1.6	30
11	The Energy Audit Activity Focused on the Lighting Systems in Historical Buildings. <i>Energies</i> , 2016, 9, 998.	1.6	30
12	Fast estimation of Speech Transmission Index using the Reverberation Time: Comparison between predictive equations for educational rooms of different sizes. <i>Applied Acoustics</i> , 2018, 140, 143-149.	1.7	28
13	Critical analysis of the energy performance indicators for road lighting systems in historical towns of central Italy. <i>Energy</i> , 2017, 138, 616-628.	4.5	27
14	Optimal theoretical building form to minimize direct solar irradiation. <i>Solar Energy</i> , 2013, 97, 128-137.	2.9	26
15	Visual ergonomics of video-display-terminal workstations: Field measurements of luminance for various display settings. <i>Displays</i> , 2016, 42, 9-18.	2.0	26
16	Lighting assessment of ergonomic workstation for radio diagnostic reporting. <i>International Journal of Industrial Ergonomics</i> , 2017, 57, 42-54.	1.5	21
17	Analysis and Measurements of Artificial Optical Radiation (AOR) Emitted by Lighting Sources Found in Offices. <i>Sustainability</i> , 2014, 6, 5941-5954.	1.6	20
18	Visual discomfort among university students who use CAD workstations. <i>Work</i> , 2016, 55, 171-180.	0.6	20

#	ARTICLE	IF	CITATIONS
19	Thermal analysis of the building envelope of lightweight temporary housing. Journal of Physics: Conference Series, 2014, 547, 012011.	0.3	16
20	LED Lighting for Indoor Sports Facilities: Can Its Use Be Considered as Sustainable Solution from a Techno-Economic Standpoint?. Sustainability, 2016, 8, 618.	1.6	16
21	Quality of Lighting in Hospital Environments: A Wide Survey Through in Situ Measurements. Journal of Light and Visual Environment, 2017, 40, 52-65.	0.2	15
22	Sun Exposure of Body Districts: Development and Validation of an Algorithm to Predict the Erythral Ultra Violet Dose. International Journal of Environmental Research and Public Health, 2019, 16, 3632.	1.2	15
23	Lighting of indoor work places: risk assessment procedure. , 2012, , .		15
24	On the optimization of building envelope thermal performance. Civil Engineering and Environmental Systems, 2003, 20, 231-254.	0.4	13
25	Ventilated flat roofs: A simplified model to assess their hygrothermal behaviour. Journal of Building Engineering, 2019, 22, 12-21.	1.6	13
26	Exploring the impact of external shading system on cognitive task performance, alertness and visual comfort in a daylight workplace environment. Indoor and Built Environment, 2020, 29, 942-955.	1.5	13
27	Application of climate-based daylight simulation to assess lighting conditions of space and artworks in historical buildings: the case study of cetacean gallery of the Monumental Charterhouse of Calci. Journal of Cultural Heritage, 2020, 46, 193-206.	1.5	13
28	Lighting and visual experience of artworks: Results of a study campaign at the National Museum of San Matteo in Pisa, Italy. Journal of Cultural Heritage, 2020, 45, 254-264.	1.5	13
29	Energy demand analysis and energy labelling of new residential buildings in Tuscany (Italy). WIT Transactions on Ecology and the Environment, 2009, , .	0.0	13
30	Multi-layered walls design to optimize building-plant interaction. International Journal of Thermal Sciences, 2004, 43, 417-429.	2.6	12
31	Study on the suitable lighting design of Beato Angelico's artworks displayed at the National Museum of San Matteo in Pisa (Italy). IOP Conference Series: Materials Science and Engineering, 2018, 364, 012095.	0.3	12
32	Monitoring CO <sub>2</sub> concentration to control the infection probability due to airborne transmission in naturally ventilated university classrooms. Architectural Science Review, 0, , 1-13.	1.1	12
33	Use of smartphone apps to monitor human exposure to solar radiation: Comparison between predicted and measured UV index values. Environmental Research, 2020, 183, 109274.	3.7	10
34	An analytical model to evaluate the cocktail party effect in restaurant dining rooms: A case study. Applied Acoustics, 2015, 100, 87-94.	1.7	9
35	Analysis of painted artworks' color appearance under various lighting settings. , 2017, , .		9
36	On the Applicability of the Space Syntax Methodology for the Determination of Street Lighting Classes. Energies, 2020, 13, 1476.	1.6	9

#	ARTICLE	IF	CITATIONS
37	Analysis of the relationship between daylight illuminance and cognitive, affective and physiological changes in visual display terminal workers. Building Services Engineering Research and Technology, 2020, 41, 167-182.	0.9	8
38	Acoustic comfort requirements and classifications: Buildings vs. yachts. Ocean Engineering, 2022, 255, 111374.	1.9	8
39	Outdoor Workers Exposed to UV Radiation: Comparison of UV Index Forecasting Methods. , 2018, , .		6
40	Solar Decathlon ME18 competition as a "learning by doing" experience for students: The case of the team HAAB. , 2018, , .		6
41	Space Syntax Analysis Applied to Urban Street Lighting: Relations between Spatial Properties and Lighting Levels. Applied Sciences (Switzerland), 2019, 9, 3331.	1.3	6
42	On the vertical illuminance in indoor sport facilities: Innovative measurement procedure to verify international standard requirements in fencing halls. , 2017, , .		5
43	Green roof: benefits analysis and development of a simplified dynamic energy model. Acta Horticulturae, 2018, , 81-88.	0.1	5
44	Prevention of UV Radiation Hazard. , 2018, , .		5
45	Occupancy modelling of buildings based on CO2 concentration measurements: an experimental analysis. Journal of Physics: Conference Series, 2019, 1224, 012016.	0.3	5
46	Evaluation of optical radiation emissions by a measurement campaign on LED sources for general lighting. , 2015, , .		4
47	Opportunities for energy savings with interventions on the lighting systems of historical buildings: The case of "Palazzo Medici" in Pisa, Italy. , 2016, , .		4
48	Risk assessment arising from exposure to artificial optical radiation: Results of an extensive evaluation campaign in the hospitals of Tuscany (Italy). , 2017, , .		4
49	Real time UV erythematous personal exposure monitoring in outdoor workplaces. , 2019, , .		4
50	Health and Well-being in Indoor Work Environments: Features of an Expert Assessment Campaign in an Italian University Hospital. , 2020, , .		4
51	Effect of Exercise on Athletes Performing in Fencing Uniforms: Methodology and Preliminary Results of the Use of Infrared Thermography to Detect the Thermal Behaviour of Fencers. Applied Sciences (Switzerland), 2020, 10, 3296.	1.3	4
52	Photobiological and Circadian Effects of LED Displays: Comparison between Different Laptop Configurations. , 2018, , .		3
53	Laptop displays performance: Compliance assessment with visual ergonomics requirements. Displays, 2021, 68, 102019.	2.0	3
54	Assessing museums'™ daylighting adequacy without annual measurement campaign: Dataset of a confrontation between measured and simulated illuminance values inside the Cetacean Gallery of the Charterhouse of Calci. Data in Brief, 2020, 32, 106065.	0.5	2

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55	Towards reconstructing the Shakespeare's first Globe Theatre: A virtual model for research and development. <i>Frontiers of Architectural Research</i> , 2022, 11, 1104-1120.	1.3	2
56	The bowed string instruments: acoustic characterization of unique pieces from the Italian lutherie. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 364, 012022.	0.3	1
57	Development and application of a methodology for heat stress assessment of workers in an Italian glass industry. , 2020, , .		1
58	Evaluation of predictive methods of acoustic comfort parameters in university classrooms. , 2021, , .		1
59	Criticalities in monitoring the UV solar radiation for workers' safety. , 2021, , .		1
60	Development of a Climate-Based Multicriteria Approach to support the Choice of Shading Devices to Achieve a Well Daylit Space: the case study of University Classrooms. , 2020, , .		0
61	An Infrared Experimental Approach to Visualize Thermal Irregularities in Historical Building Masonry Walls. , 2006, , .		0
62	Indoor environmental quality in sterilization units: the case of Pisa University Hospital. , 2021, , .		0
63	Why Transforming Cities Should Rethink the Scale of Urban Lighting. , 2021, , .		0