

# Francesca Becherini

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

566  
citations

759233

12  
h-index

642732

23  
g-index

38  
all docs

38  
docs citations

38  
times ranked

821  
citing authors

#	ARTICLE	IF	CITATIONS
1	An integrated approach to assess air pollution threats to cultural heritage in a semi-confined environment: The case study of Michelozzo's Courtyard in Florence (Italy). <i>Science of the Total Environment</i> , 2010, 408, 1403-1413.	8.0	65
2	The impact of heating, lighting and people in re-using historical buildings: a case study. <i>Journal of Cultural Heritage</i> , 2004, 5, 409-416.	3.3	64
3	Thermal performance evaluation and comfort assessment of advanced aerogel as blown-in insulation for historic buildings. <i>Building and Environment</i> , 2017, 122, 258-268.	6.9	57
4	Long-term variability and trends in meteorological droughts in Western Europe (1851–2018). <i>International Journal of Climatology</i> , 2021, 41, E690.	3.5	43
5	Characterization and thermal performance evaluation of infrared reflective coatings compatible with historic buildings. <i>Building and Environment</i> , 2018, 134, 35-46.	6.9	39
6	Microclimate inside a semi-confined environment: Valuation of suitability for the conservation of heritage materials. <i>Journal of Cultural Heritage</i> , 2010, 11, 471-476.	3.3	29
7	Innovative consolidating products for stone materials: field exposure tests as a valid approach for assessing durability. <i>Heritage Science</i> , 2015, 3, .	2.3	28
8	Condensation on ancient stained glass windows and efficiency of protective glazing systems: two French case studies, Sainte-Chapelle (Paris) and Saint-Urbain Basilica (Troyes). <i>Journal of Cultural Heritage</i> , 2006, 7, 71-78.	3.3	23
9	Effects of protective treatments on particle deposition and colour variation in stone surfaces exposed to an urban environment. <i>Progress in Organic Coatings</i> , 2017, 112, 75-85.	3.9	14
10	Calcium alkoxides as alternative consolidants for wall paintings: Evaluation of their performance in laboratory and on site, on model and original samples, in comparison to conventional products. <i>Journal of Cultural Heritage</i> , 2018, 29, 54-66.	3.3	14
11	Three centuries of daily precipitation in Padua, Italy, 1713–2018: history, relocations, gaps, homogeneity and raw data. <i>Climatic Change</i> , 2020, 162, 923-942.	3.6	14
12	A critical analysis of one standard and five methods to monitor surface wetness and time-of-wetness. <i>Theoretical and Applied Climatology</i> , 2018, 132, 1143-1151.	2.8	13
13	Thermal Stress as a Possible Cause of Paintwork Loss in Medieval Stained Glass Windows. <i>Studies in Conservation</i> , 2008, 53, 238-251.	1.1	12
14	Microclimatic monitoring for the investigation of the different state of conservation of the stucco statues of the Longobard Temple in Cividale del Friuli (Udine, Italy). <i>Journal of Cultural Heritage</i> , 2016, 18, 375-379.	3.3	12
15	Thermal expansion of wood at different equilibrium moisture contents. <i>Journal of Wood Science</i> , 2019, 65, .	1.9	12
16	A critical analysis of the definitions of climate and hydrological extreme events. <i>Quaternary International</i> , 2020, 538, 5-13.	1.5	12
17	Evaluation of the shelters over the prehistoric Megalithic Temples of Malta: environmental considerations. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	11
18	Biogeochemical dynamics and bioaccumulation processes in Manila clam: Implications for biodiversity and ecosystem services in the Ria de Aveiro Lagoon. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 209, 136-148.	2.1	11

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19	Relationship between selected percentiles and return periods of extreme events. <i>Acta Geophysica</i> , 2020, 68, 1201-1211.	2.0	9
20	The Beccari series of precipitation in Bologna, Italy, from 1723 to 1765. <i>Climatic Change</i> , 2019, 155, 359-376.	3.6	8
21	The earliest temperature record in Paris, 1658–1660, by Ismaël Boulliau, and a comparison with the contemporary series of the Medici Network (1654–1670) in Florence. <i>Climatic Change</i> , 2020, 162, 903-922.	3.6	8
22	Conservation of stained glass windows with protective glazing: Main results from the European VIDRIO research programme. <i>Journal of Cultural Heritage</i> , 2013, 14, 527-536.	3.3	7
23	Temperature observations in Florence, Italy, after the end of the Medici Network (1654–1670): the Grifoni record (1751–1766). <i>Climatic Change</i> , 2020, 162, 943-963.	3.6	7
24	From time frames to temperature bias in temperature series. <i>Climatic Change</i> , 2021, 165, 1.	3.6	7
25	Evaluation of the effect of phase change materials technology on the thermal stability of Cultural Heritage objects. <i>Journal of Cultural Heritage</i> , 2014, 15, 470-478.	3.3	6
26	Aesthetic compatibility assessment of consolidants for wall paintings by means of multivariate analysis of colorimetric data. <i>Chemistry Central Journal</i> , 2018, 12, 98.	2.6	5
27	How the rain-gauge threshold affects the precipitation frequency and amount. <i>Climatic Change</i> , 2022, 170, 1.	3.6	5
28	A comparison between different methods to fill gaps in early precipitation series. <i>Environmental Earth Sciences</i> , 2022, 81, .	2.7	5
29	Neutron diffraction determination of the microscopic structure of solid deuterium close to melting. <i>Physical Review B</i> , 2008, 77, .	3.2	4
30	Surface scattering efficiency of some common materials for shielding pulsed neutron scattering instruments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 608, 360-362.	1.6	4
31	Heart of darkness: an interdisciplinary investigation of the urban anthropic deposits of the Baptistery of Padua (Italy). <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 1977-1993.	1.8	4
32	Daily temperature observations in Florence at the mid-eighteenth century: the Martini series (1756–1775). <i>Climatic Change</i> , 2021, 164, 1.	3.6	4
33	Environmental Risk Assessment and Preventive Conservation Strategy for the Porch of the Glory, Santiago of Compostela Cathedral. <i>Journal of Environmental Science and Engineering B</i> , 2013, 2, .	0.2	3
34	A Methodology to Monitor the Pollution Impact on Historic Buildings Surfaces: The TeACH Project. <i>Lecture Notes in Computer Science</i> , 2012, , 765-775.	1.3	2
35	Pyrite Decay of Large Fossils: The Case Study of the Hall of Palms in Padova, Italy. <i>Minerals (Basel)</i> , 2021, 11, 1074-1084.	2.0	2
36	Surface albedo and spring snow melt variations at Ny-Ålesund, Svalbard. <i>Bulletin of Atmospheric Science and Technology</i> , 2021, 2, .	0.9	2

#	ARTICLE	IF	CITATIONS
37	Innovative pre-fabricated components including different waste construction materials reducing building energy and minimising environmental impacts (InnoWEE). E3S Web of Conferences, 2019, 111, 03076.	0.5	1