Lukasz Bratasz

List of Publications by Year
in descending order

34	857	471509 17	477307 29
papers	citations	h-index	g-index

34	34	34	680
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An advanced church heating system favourable to artworks: A contribution to European standardisation. Journal of Cultural Heritage, 2010, 11, 205-219.	3.3	88
2	Numerical modelling of moisture movement and related stress field in lime wood subjected to changing climate conditions. Wood Science and Technology, 2008, 42, 21-37.	3.2	83
3	Analysis of water adsorption by wood using the Guggenheim-Anderson-de Boer equation. European Journal of Wood and Wood Products, 2012, 70, 445-451.	2.9	71
4	The impact of electric overhead radiant heating on the indoor environment of historic churches. Journal of Cultural Heritage, 2007, 8, 361-369.	3.3	48
5	Micro-XRF analysis of silver coins from medieval Poland. Nuclear Instruments & Methods in Physics Research B, 2015, 349, 6-16.	1.4	46
6	Allowable microclimatic variations for painted wood. Studies in Conservation, 2013, 58, 65-79.	1.1	42
7	Particle penetration and deposition inside historical churches. Building and Environment, 2016, 95, 291-298.	6.9	42
8	Fatigue Damage of the Gesso Layer in Panel Paintings Subjected to Changing Climate Conditions. Strain, 2012, 48, 474-481.	2.4	37
9	Impact of Indoor Heating on Painted Wood - Monitoring the Altarpiece in the Church of Santa Maria Maddalena in Rocca Pietore, Italy. Studies in Conservation, 2007, 52, 199-210.	1.1	36
10	Degradation markers and plasticizer loss of cellulose acetate films during ageing. Polymer Degradation and Stability, 2019, 168, 108952.	5.8	36
11	Mechanism of craquelure pattern formation on panel paintings. Studies in Conservation, 2016, 61, 324-330.	1.1	33
12	Assessment of indoor climate of MogiÅ‚a Abbey in KrakÃ³w (Poland) and the application of the analogues method to predict microclimate indoor conditions. Environmental Science and Pollution Research, 2017, 24, 13895-13907.	5.3	27
13	Response of Wood Supports in Panel Paintings Subjected to Changing Climate Conditions. Strain, 2012, 48, 366-374.	2.4	26
14	<title>NIST FT700 Vacuum Ultraviolet Fourier Transform Spectrometer: applications in ultraviolet spectrometry and radiometry</title>. , 1999, 3818, 180.		25
15	Acoustic emission for tracing fracture intensity in lime wood due to climatic variations. Wood Science and Technology, 2008, 42, 269-279.	3.2	24
16	Future climate-induced pressures on painted wood. Journal of Cultural Heritage, 2012, 13, 365-370.	3.3	19
17	Laser Sensors for Continuous In-Situ Monitoring of the Dimensional Response of Wooden Objects. Studies in Conservation, 2005, 50, 307-315.	1.1	18
18	Risk of Climateâ€Induced Damage in Historic Textiles. Strain, 2015, 51, 78-88.	2.4	17

#	Article	IF	Citations
19	The effect of ventilation on soiling by particles of outdoor and indoor origin in historical churches. Building Simulation, 2017, 10, 383-393.	5.6	17
20	Crack Saturation as a Mechanism of Acclimatization of Panel Paintings to Unstable Environments. Studies in Conservation, 2018, 63, 22-27.	1.1	17
21	Acoustic emission monitoring of an eighteenth-century wardrobe to support a strategy for indoor climate management. Studies in Conservation, 2014, 59, 225-232.	1.1	15
22	Fracture saturation in paintings makes them less vulnerable to environmental variations in museums. Heritage Science, 2020, 8, .	2.3	15
23	Shrinkage cracking in Roman cement pastes and mortars. Cement and Concrete Research, 2013, 53, 168-175.	11.0	10
24	HERIe: A Web-Based Decision-Supporting Tool for Assessing Risk of Physical Damage Using Various Failure Criteria. Studies in Conservation, 2018, 63, 151-155.	1.1	10
25	Moisture sorption and diffusion in historical cellulose-based materials. Cellulose, 2018, 25, 2873-2884.	4.9	10
26	Three-dimensional numerical and experimental study of fracture saturation in panel paintings. Wood Science and Technology, 2021, 55, 1555-1576.	3.2	10
27	Absolute Transition Rates for Transitions from 5p Levels in Kr II. Physica Scripta, 2001, 63, 209-218.	2.5	7
28	VIBRATION AS A HAZARD DURING THE TRANSPORTATION OF CANVAS PAINTINGS. Studies in Conservation, 2008, 53, 64-68.	1.1	7
29	Absolute Transition Rates for Transitions from 5p4(3P)6p4PÂ°5/2,4PÂ°3/2,4DÂ°7/2and2DÂ°5/2Levels of Xe II. Physica Scripta, 2002, 66, 454-457.	2.5	6
30	Digital radiography (DR) and imaging analysis for evaluating the penetration and distribution of organic substances used in wood conservation. Wood Science and Technology, 2014, 48, 981-994.	3.2	4
31	Toward Sustainable Collections Management in the Yale Peabody Museum: Risk Assessment, Climate Management, and Energy Efficiency. Bulletin of the Peabody Museum of Natural History, 2018, 59, 249-268.	1.1	3
32	Processing relative humidity data using discrete Fourier transform to control strain in art objects. Strain, 2019, 55, e12311.	2.4	3
33	Nowa siedziba Archiwum Narodowego w Krakowie. ZaÅ‚oÅ¼enia funkcjonalne i uÅ¼ytkowe oraz koncepcja magazynu zbiorÃ³w archiwalnych z pasywnÄ... regulacjÄ... klimatu. Archeion, 2021, 122, 94-127.	0.1	3
34	Risk of climate-induced damage in historic parchment. Heritage Science, 2020, 8, .	2.3	2