

# Lukasz Bratasz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4922262/publications.pdf>

Version: 2024-02-01

34  
papers

857  
citations

471509

17  
h-index

477307

29  
g-index

34  
all docs

34  
docs citations

34  
times ranked

680  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional numerical and experimental study of fracture saturation in panel paintings. <i>Wood Science and Technology</i> , 2021, 55, 1555-1576.	3.2	10
2	Nowa siedziba Archiwum Narodowego w Krakowie. ZaÅoÅenia funkcjonalne i uÅytkowe oraz koncepcja magazynu zbiorÅw archiwalnych z pasywnÅ regulacjÅ klimatu. <i>Archeion</i> , 2021, 122, 94-127.	0.1	3
3	Fracture saturation in paintings makes them less vulnerable to environmental variations in museums. <i>Heritage Science</i> , 2020, 8, .	2.3	15
4	Risk of climate-induced damage in historic parchment. <i>Heritage Science</i> , 2020, 8, .	2.3	2
5	Degradation markers and plasticizer loss of cellulose acetate films during ageing. <i>Polymer Degradation and Stability</i> , 2019, 168, 108952.	5.8	36
6	Processing relative humidity data using discrete Fourier transform to control strain in art objects. <i>Strain</i> , 2019, 55, e12311.	2.4	3
7	Toward Sustainable Collections Management in the Yale Peabody Museum: Risk Assessment, Climate Management, and Energy Efficiency. <i>Bulletin of the Peabody Museum of Natural History</i> , 2018, 59, 249-268.	1.1	3
8	HERIE: A Web-Based Decision-Supporting Tool for Assessing Risk of Physical Damage Using Various Failure Criteria. <i>Studies in Conservation</i> , 2018, 63, 151-155.	1.1	10
9	Crack Saturation as a Mechanism of Acclimatization of Panel Paintings to Unstable Environments. <i>Studies in Conservation</i> , 2018, 63, 22-27.	1.1	17
10	Moisture sorption and diffusion in historical cellulose-based materials. <i>Cellulose</i> , 2018, 25, 2873-2884.	4.9	10
11	Assessment of indoor climate of MogiÅa Abbey in KrakÅw (Poland) and the application of the analogues method to predict microclimate indoor conditions. <i>Environmental Science and Pollution Research</i> , 2017, 24, 13895-13907.	5.3	27
12	The effect of ventilation on soiling by particles of outdoor and indoor origin in historical churches. <i>Building Simulation</i> , 2017, 10, 383-393.	5.6	17
13	Mechanism of craquelure pattern formation on panel paintings. <i>Studies in Conservation</i> , 2016, 61, 324-330.	1.1	33
14	Particle penetration and deposition inside historical churches. <i>Building and Environment</i> , 2016, 95, 291-298.	6.9	42
15	Risk of Climate-Induced Damage in Historic Textiles. <i>Strain</i> , 2015, 51, 78-88.	2.4	17
16	Micro-XRF analysis of silver coins from medieval Poland. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2015, 349, 6-16.	1.4	46
17	Digital radiography (DR) and imaging analysis for evaluating the penetration and distribution of organic substances used in wood conservation. <i>Wood Science and Technology</i> , 2014, 48, 981-994.	3.2	4
18	Acoustic emission monitoring of an eighteenth-century wardrobe to support a strategy for indoor climate management. <i>Studies in Conservation</i> , 2014, 59, 225-232.	1.1	15

#	ARTICLE	IF	CITATIONS
19	Shrinkage cracking in Roman cement pastes and mortars. <i>Cement and Concrete Research</i> , 2013, 53, 168-175.	11.0	10
20	Allowable microclimatic variations for painted wood. <i>Studies in Conservation</i> , 2013, 58, 65-79.	1.1	42
21	Response of Wood Supports in Panel Paintings Subjected to Changing Climate Conditions. <i>Strain</i> , 2012, 48, 366-374.	2.4	26
22	Fatigue Damage of the Gesso Layer in Panel Paintings Subjected to Changing Climate Conditions. <i>Strain</i> , 2012, 48, 474-481.	2.4	37
23	Future climate-induced pressures on painted wood. <i>Journal of Cultural Heritage</i> , 2012, 13, 365-370.	3.3	19
24	Analysis of water adsorption by wood using the Guggenheim-Anderson-de Boer equation. <i>European Journal of Wood and Wood Products</i> , 2012, 70, 445-451.	2.9	71
25	An advanced church heating system favourable to artworks: A contribution to European standardisation. <i>Journal of Cultural Heritage</i> , 2010, 11, 205-219.	3.3	88
26	Numerical modelling of moisture movement and related stress field in lime wood subjected to changing climate conditions. <i>Wood Science and Technology</i> , 2008, 42, 21-37.	3.2	83
27	Acoustic emission for tracing fracture intensity in lime wood due to climatic variations. <i>Wood Science and Technology</i> , 2008, 42, 269-279.	3.2	24
28	VIBRATION AS A HAZARD DURING THE TRANSPORTATION OF CANVAS PAINTINGS. <i>Studies in Conservation</i> , 2008, 53, 64-68.	1.1	7
29	Impact of Indoor Heating on Painted Wood - Monitoring the Altarpiece in the Church of Santa Maria Maddalena in Rocca Pietore, Italy. <i>Studies in Conservation</i> , 2007, 52, 199-210.	1.1	36
30	The impact of electric overhead radiant heating on the indoor environment of historic churches. <i>Journal of Cultural Heritage</i> , 2007, 8, 361-369.	3.3	48
31	Laser Sensors for Continuous In-Situ Monitoring of the Dimensional Response of Wooden Objects. <i>Studies in Conservation</i> , 2005, 50, 307-315.	1.1	18
32	Absolute Transition Rates for Transitions from $5p^4(3P)6p4P^{\circ}5/2, 4P^{\circ}3/2, 4D^{\circ}7/2$ and $2D^{\circ}5/2$ Levels of Xe II. <i>Physica Scripta</i> , 2002, 66, 454-457.	2.5	6
33	Absolute Transition Rates for Transitions from 5p Levels in Kr II. <i>Physica Scripta</i> , 2001, 63, 209-218.	2.5	7
34	<title>NIST FT700 Vacuum Ultraviolet Fourier Transform Spectrometer: applications in ultraviolet spectrometry and radiometry</title>. , 1999, 3818, 180.		25