

# DaniÃle Waldmann

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6388717/publications.pdf>

Version: 2024-02-01

46  
papers

1,097  
citations

471061

17  
h-index

414034

32  
g-index

47  
all docs

47  
docs citations

47  
times ranked

949  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling of mineral construction and demolition waste dynamics through a combination of geospatial and image analysis. <i>Journal of Environmental Management</i> , 2021, 282, 111879.	3.8	14
2	Investigation of Mycelium-Miscanthus composites as building insulation material. <i>Results in Materials</i> , 2021, 10, 100189.	0.9	39
3	Binary blended cement pastes and concrete using gravel wash mud (GWM) powders. <i>Construction and Building Materials</i> , 2021, 302, 124225.	3.2	4
4	Machine learning in mix design of Miscanthus lightweight concrete. <i>Construction and Building Materials</i> , 2021, 302, 124191.	3.2	9
5	Nonlinear three-dimensional anisotropic material model for failure analysis of timber. <i>Engineering Failure Analysis</i> , 2021, 130, 105764.	1.8	15
6	Analysis of the geometrical imperfections of a dry-stacked masonry block based on Miscanthus. <i>Construction and Building Materials</i> , 2021, 310, 125282.	3.2	2
7	Experimental and analytical analysis of the load-bearing capacity $P_u$ of improved dry-stacked masonry. <i>Journal of Building Engineering</i> , 2020, 27, 100927.	1.6	3
8	Overcome of bed-joint imperfections and improvement of actual contact in dry-stacked masonry. <i>Construction and Building Materials</i> , 2020, 233, 117173.	3.2	7
9	Performance of lime-metakaolin pastes using gravel wash mud (GWM). <i>Cement and Concrete Composites</i> , 2020, 114, 103772.	4.6	5
10	Summertime Overheating Risk Assessment of a Flexible Plug-In Modular Unit in Luxembourg. <i>Sustainability</i> , 2020, 12, 8474.	1.6	5
11	BIM-Based End-of-Lifecycle Decision Making and Digital Deconstruction: Literature Review. <i>Sustainability</i> , 2020, 12, 2670.	1.6	70
12	Application of the DAD method for damage localisation on an existing bridge structure using close-range UAV photogrammetry. <i>Engineering Structures</i> , 2020, 218, 110727.	2.6	37
13	Optimisation of the mechanical properties of Miscanthus lightweight concrete. <i>Construction and Building Materials</i> , 2020, 258, 119643.	3.2	14
14	Monotonic axial compressive behaviour and confinement mechanism of square CFRP-steel tube confined concrete. <i>Engineering Structures</i> , 2020, 217, 110802.	2.6	75
15	Recyclable Architecture: Prefabricated and Recyclable Typologies. <i>Sustainability</i> , 2020, 12, 1342.	1.6	16
16	Development of a BIM-Based Web Tool as a Material and Component Bank for a Sustainable Construction Industry. <i>Sustainability</i> , 2020, 12, 1766.	1.6	40
17	Impact of Pile Punching on Adjacent Piles: Insights from a 3D Coupled SPH-FEM Analysis. <i>Applied Mechanics</i> , 2020, 1, 47-58.	0.7	6
18	A material and component bank to facilitate material recycling and component reuse for a sustainable construction: concept and preliminary study. <i>Clean Technologies and Environmental Policy</i> , 2019, 21, 2015-2032.	2.1	60

#	ARTICLE	IF	CITATIONS
19	Gravel wash mud, a quarry waste material as supplementary cementitious material (SCM). Cement and Concrete Research, 2019, 124, 105833.	4.6	26
20	Behavior of Circular Fiber-Reinforced Polymer-Steel-Confining Concrete Columns Subjected to Reversed Cyclic Loads: Experimental Studies and Finite-Element Analysis. Journal of Structural Engineering, 2019, 145, .	1.7	96
21	Curvature based DAD-method for damage localisation under consideration of measurement noise minimisation. Engineering Structures, 2019, 181, 293-309.	2.6	9
22	Primary energy used in centralised and decentralised ventilation systems measured in field tests in residential buildings. International Journal of Ventilation, 2019, 18, 19-27.	0.2	4
23	Impact of the height imperfections of masonry blocks on the load bearing capacity of dry-stack masonry walls. Construction and Building Materials, 2018, 165, 898-913.	3.2	25
24	The Deformation Area Difference (DAD) method for condition assessment of reinforced structures. Engineering Structures, 2018, 155, 315-329.	2.6	25
25	Assessment of the suitability of gravel wash mud as raw material for the synthesis of an alkali-activated binder. Applied Clay Science, 2018, 161, 110-118.	2.6	11
26	Influence of the sheet profile design on the composite action of slabs made of lightweight woodchip concrete. Construction and Building Materials, 2017, 148, 887-899.	3.2	20
27	Field tests of centralized and decentralized ventilation units in residential buildings – Specific fan power, heat recovery efficiency, shortcuts and volume flow unbalances. Energy and Buildings, 2016, 116, 376-383.	3.1	51
28	Messtechnische Ermittlung der U-Werte von Außenwänden im Vergleich mit Typologiewerten für den Gebäudebestand. Bauphysik, 2015, 37, 273-276.	1.2	4
29	Use of a Computed Tomography Based Approach to Validate Noninvasive Devices to Measure Rotational Knee Laxity. International Scholarly Research Notices, 2015, 2015, 1-7.	0.9	0
30	Design, Repeatability, and Comparison to Literature Data of a New Noninvasive Device Called “Rotameter” to Measure Rotational Knee Laxity. International Scholarly Research Notices, 2015, 2015, 1-9.	0.9	1
31	Some remarks on the influence of temperature-variations, non-linearities, repeatability and ageing on modal-analysis for structural health monitoring of real bridges. MATEC Web of Conferences, 2015, 24, 05006.	0.1	4
32	A semi-centralized, valveless and demand controlled ventilation system in comparison to other concepts in field tests. Building and Environment, 2015, 93, 21-26.	3.0	16
33	Fatigue in the core of aluminum honeycomb panels: Lifetime prediction compared with fatigue tests. International Journal of Damage Mechanics, 2014, 23, 661-683.	2.4	13
34	Field study on the energy consumption of school buildings in Luxembourg. Energy and Buildings, 2014, 68, 460-470.	3.1	72
35	Experimental and numerical investigation on postcracking behavior of steel fiber reinforced concrete. Engineering Fracture Mechanics, 2013, 98, 326-349.	2.0	77
36	Shear stresses in honeycomb sandwich plates: Analytical solution, finite element method and experimental verification. Journal of Sandwich Structures and Materials, 2012, 14, 449-468.	2.0	57

#	ARTICLE	IF	CITATIONS
37	Steel fibers as only reinforcement for flat slab construction â€“ Experimental investigation and design. Construction and Building Materials, 2012, 26, 145-155.	3.2	94
38	Damage assessment of concrete structures through dynamic testing methods. Part 2: Bridge tests. Engineering Structures, 2012, 34, 483-494.	2.6	16
39	Damage assessment of concrete structures through dynamic testing methods. Part 1 â€“ Laboratory tests. Engineering Structures, 2012, 34, 351-362.	2.6	17
40	Feldstudie zum Energieverbrauch von BÄrogebÄuden. Bauphysik, 2011, 33, 158-166.	1.2	4
41	Acoustics During the Vibratory Pile Driving of Sheet Piles: Measurement Conditions and Key Parameters of the Noise Generation. Acta Acustica United With Acustica, 2010, 96, 1104-1114.	0.8	0
42	Entwicklung von hybriden WÄrmedÄmmsteinen aus LAC. Mauerwerk, 2010, 14, 10-18.	0.2	1
43	Tragverhalten von Flachdecken aus Stahlfaserbeton im negativen Momentenbereich und Bemessungsmodell fÄ¼r das Gesamtsystem. Beton- Und Stahlbetonbau, 2010, 105, 496-508.	0.4	5
44	Dynamische Zustandsbewertung einer VerbundbrÄ¼cke: Beobachtung ÄuÄyerer und nichtlinearer EinflÄ¼sse auf die modalen Eigenschaften. Beton- Und Stahlbetonbau, 2010, 105, 509-520.	0.4	0
45	Vergleich statischer und dynamischer Methoden zur Zustandsbewertung von Stahlbeton- und Spannbetontragwerken. Beton- Und Stahlbetonbau, 2009, 104, 628-641.	0.4	0
46	Development of a reinforced PMMA-based hip spacer adapted to patientsâ€™ needs. Medical Engineering and Physics, 2009, 31, 930-936.	0.8	25