

Jochen Kähler

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

427
citations

840776

11
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

369
citing authors

#	ARTICLE	IF	CITATIONS
1	Mould growth criteria and design avoidance approaches in wood-based materials – A systematic review. <i>Construction and Building Materials</i> , 2017, 150, 77-88.	7.2	74
2	Probabilistic modeling of timber structures. <i>Structural Safety</i> , 2007, 29, 255-267.	5.3	58
3	A quantification of the modelling uncertainty of non-linear finite element analyses of large concrete structures. <i>Structural Safety</i> , 2017, 64, 1-8.	5.3	56
4	Assessment of the failure behaviour and reliability of timber connections with multiple dowel-type fasteners. <i>Engineering Structures</i> , 2018, 172, 76-84.	5.3	54
5	Model for the prediction of the tensile strength and tensile stiffness of knot clusters within structural timber. <i>European Journal of Wood and Wood Products</i> , 2014, 72, 331-341.	2.9	27
6	A probabilistic-based methodology for predicting mould growth in façade constructions. <i>Building and Environment</i> , 2018, 128, 33-45.	6.9	27
7	Probabilistic modeling of graded timber material properties. <i>Structural Safety</i> , 2004, 26, 295-309.	5.3	26
8	Probabilistic approach for modelling the load-bearing capacity of glued laminated timber. <i>Engineering Structures</i> , 2015, 100, 751-762.	5.3	25
9	Evaluating highly insulated walls to withstand biodeterioration: A probabilistic-based methodology. <i>Energy and Buildings</i> , 2018, 177, 112-124.	6.7	17
10	Mould Models Applicable to Wood-Based Materials – A Generic Framework. <i>Energy Procedia</i> , 2017, 132, 177-182.	1.8	16
11	Bending tests on GLT beams having well-known local material properties. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015, 48, 3571-3584.	3.1	15
12	A probabilistic-based approach for predicting mould growth in timber building envelopes: Comparison of three mould models. <i>Energy Procedia</i> , 2017, 132, 393-398.	1.8	11
13	Hidden safety in structural design codes. <i>Engineering Structures</i> , 2022, 257, 114017.	5.3	11
14	Probabilistic modelling of the tensile related material properties of timber boards and finger joint connections. <i>European Journal of Wood and Wood Products</i> , 2015, 73, 335-346.	2.9	10