

Rasmus Rempling

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

325
citations

1040056

9
h-index

839539

18
g-index

28
all docs

28
docs citations

28
times ranked

163
citing authors

#	ARTICLE	IF	CITATIONS
1	Crack monitoring in reinforced concrete beams by distributed optical fiber sensors. Structure and Infrastructure Engineering, 2021, 17, 124-139.	3.7	89
2	Assessment and visualization of performance indicators of reinforced concrete beams by distributed optical fibre sensing. Structural Health Monitoring, 2021, 20, 3309-3326.	7.5	35
3	LIFE CYCLE SUSTAINABILITY ASSESSMENT FOR MULTI-CRITERIA DECISION MAKING IN BRIDGE DESIGN: A REVIEW. Journal of Civil Engineering and Management, 2020, 26, 690-704.	3.5	31
4	Multi-objective constrained Bayesian optimization for structural design. Structural and Multidisciplinary Optimization, 2021, 63, 689-701.	3.5	27
5	Automatic structural design by a set-based parametric design method. Automation in Construction, 2019, 108, 102936.	9.8	24
6	Characterization of concrete shrinkage induced strains in internally-restrained RC structures by distributed optical fiber sensing. Cement and Concrete Composites, 2021, 120, 104058.	10.7	23
7	Long-Term Performance of Distributed Optical Fiber Sensors Embedded in Reinforced Concrete Beams under Sustained Deflection and Cyclic Loading. Sensors, 2021, 21, 6338.	3.8	15
8	The interplay between corrosion and cracks in reinforced concrete beams with non-uniform reinforcement corrosion. Materials and Structures/Materiaux Et Constructions, 2022, 55, 1.	3.1	13
9	Life Cycle Sustainability Performance Assessment Method for Comparison of Civil Engineering Works Design Concepts: Case Study of a Bridge. International Journal of Environmental Research and Public Health, 2020, 17, 7909.	2.6	11
10	Integrated project team performance in early design stages – performance indicators influencing effectiveness in bridge design. Architectural Engineering and Design Management, 2019, 15, 249-266.	1.7	10
11	The role of social ties in collaborative project networks: A tale of two construction cases. Construction Management and Economics, 2021, 39, 723-738.	3.0	9
12	Aspects of Integrated Design of Structures: Parametric Models, Creative Space and Linked Knowledge. Civil Engineering and Architecture, 2015, 3, 143-152.	0.4	7
13	Multi-criteria decision analysis methods to support sustainable infrastructure construction. IABSE Symposium Report, 2019, , .	0.0	6
14	Monitoring of new and existing stainless-steel reinforced concrete structures by clad distributed optical fibre sensing. Structural Health Monitoring, 2023, 22, 257-275.	7.5	6
15	Structural Health Monitoring of RC structures using optic fiber strain measurements: a deep learning approach. IABSE Symposium Report, 2019, , .	0.0	4
16	Sustainability-driven structural design using artificial intelligence. IABSE Symposium Report, 2019, , .	0.0	4
17	Key aspects of digital image correlation in impact tests of reinforced concrete beams. IABSE Symposium Report, 2019, , .	0.0	3
18	Enhanced strut-and-tie model for reinforced concrete pile caps. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
19	Impact propagation effects along reinforced concrete beams. IABSE Symposium Report, 2019, , .	0.0	2
20	Climate impact estimation “ from feasibility study to handover. , 2021, , .		1
21	A fiber optics enriched Digital Twin for assessment of reinforced concrete structures. , 2021, , .		1
22	Applying a Set-based Parametric Design Method to Structural Design of Bridges. , 2018, , .		1
23	Optimal time for contractors to enter infrastructure projects. Procedia Computer Science, 2022, 196, 990-998.	2.0	1
24	Integrated project teams in early design stages “ Key variables influencing cost effectiveness in bridge building. , 2016, , .		0
25	Climate impact optimization in concrete bridge construction. , 2017, , .		0
26	Methodology for selection of production method in an early stage “ improved conceptual design process. , 2017, , .		0
27	Predicting project performance using pre-construction performance indicators“a case study evaluation. , 2019, , .		0
28	Process for verification of performance requirements for transport infrastructure. IABSE Symposium Report, 2022, , .	0.0	0