

Nikola ToÅiÄ

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

796
citations

840776

11
h-index

580821

25
g-index

31
all docs

31
docs citations

31
times ranked

677
citing authors

#	ARTICLE	IF	CITATIONS
1	Multicriteria optimization of natural and recycled aggregate concrete for structural use. Journal of Cleaner Production, 2015, 87, 766-776.	9.3	171
2	Environmental assessment of green concretes for structural use. Journal of Cleaner Production, 2017, 154, 633-649.	9.3	166
3	Shear behaviour of recycled aggregate concrete beams with and without shear reinforcement. Engineering Structures, 2017, 141, 386-401.	5.3	99
4	A database on flexural and shear strength of reinforced recycled aggregate concrete beams and comparison to Eurocode 2 predictions. Construction and Building Materials, 2016, 127, 932-944.	7.2	51
5	Long-term behaviour of reinforced beams made with natural or recycled aggregate concrete and high-volume fly ash concrete. Construction and Building Materials, 2018, 176, 344-358.	7.2	51
6	Creep of recycled aggregate concrete: Experimental database and creep prediction model according to the fib Model Code 2010. Construction and Building Materials, 2019, 195, 590-599.	7.2	36
7	Mechanical and time-dependent properties of high-volume fly ash concrete for structural use. Magazine of Concrete Research, 2016, 68, 632-645.	2.0	35
8	Effect of Different Types of Fly Ash on Properties of Asphalt Mixtures. Advances in Civil Engineering, 2019, 2019, 1-11.	0.7	24
9	Systematic Review on the Creep of Fiber-Reinforced Concrete. Materials, 2020, 13, 5098.	2.9	24
10	Toward a codified design of recycled aggregate concrete structures: Background for the new fib Model Code 2020 and Eurocode 2. Structural Concrete, 2021, 22, 2916-2938.	3.1	23
11	Shrinkage of recycled aggregate concrete: experimental database and application of fib Model Code 2010. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	3.1	21
12	Deflection control for reinforced recycled aggregate concrete beams: Experimental database and extension of the fib Model Code 2010 model. Structural Concrete, 2019, 20, 2015-2029.	3.1	11
13	Sustainability-Oriented Multi-Criteria Analysis of Different Continuous Flight Auger Piles. Sustainability, 2021, 13, 7552.	3.2	11
14	Sustainability of the concrete industry: Current trends and future outlook. Tehnika, 2017, 72, 38-44.	0.2	11
15	Effects of Low Temperatures on Flexural Strength of Macro-Synthetic Fiber Reinforced Concrete: Experimental and Numerical Investigation. Materials, 2022, 15, 1153.	2.9	10
16	Cost-oriented analysis of fibre reinforced concrete column-supported flat slabs construction. Journal of Building Engineering, 2022, 51, 104205.	3.4	10
17	Reliability-based assessment of the partial factor for shear design of fibre reinforced concrete members without shear reinforcement. Materials and Structures/Materiaux Et Constructions, 2021, 54, 1.	3.1	8
18	A limit state design approach for hybrid reinforced concrete column-supported flat slabs. Structural Concrete, 2022, 23, 3444-3464.	3.1	8

#	ARTICLE	IF	CITATIONS
19	Rotation and moment redistribution capacity of fiber-reinforced concrete beams: Parametric analysis and code compliance. <i>Structural Concrete</i> , 2022, 23, 220-239.	3.1	7
20	Parametric numerical study on service-load deflections of reinforced recycled aggregate concrete slabs and beams based on <i>fib</i> Model Code 2010. <i>Structural Concrete</i> , 2020, 21, 2854-2868.	3.1	6
21	Structural Performance of Lightweight Aggregate Concrete Reinforced by Glass or Basalt Fiber Reinforced Polymer Bars. <i>Polymers</i> , 2022, 14, 2142.	4.5	6
22	Improved Serviceability and Environmental Performance of One-Way Slabs through the Use of Layered Natural and Recycled Aggregate Concrete. <i>Sustainability</i> , 2020, 12, 10278.	3.2	3
23	ECO2 framework assessment of limestone powder concrete slabs and columns. <i>Journal of Building Engineering</i> , 2022, 57, 104928.	3.4	2
24	Extension of the <i>fib</i> method for calculating deflections of two-way slabs based on linear elastic finite element analysis. <i>Structural Concrete</i> , 2021, 22, 1652-1670.	3.1	1
25	New Eurocode 2 provisions for recycled aggregate concrete and their implications for the design of one-way slabs. <i>Građevinski Materijali i Konstrukcije</i> , 2021, 64, 119-125.	0.4	0
26	KARAKTERISTIKE BETONA SA VISOKIM SADRŽAJEM LETEĆEG PEPELA, I NJEGOVA ULOGA U ODRŽIVOM RAZVOJU. Zbornik Radova Građevinskog Fakulteta, 2014, 30, 849-858.	0.1	0
27	Calibrating and validating a FE model for long-term behavior of RC beams. <i>Tehnika</i> , 2014, 69, 385-392.	0.2	0
28	Current Serbian design codes: Transferring from a deterministic to a semi-probabilistic approach. <i>Tehnika</i> , 2015, 70, 229-235.	0.2	0
29	Experimental Setup for Measuring Long-Term Behavior of Green Reinforced Concrete Beams. , 2018, , 2356-2364.		0
30	Effective Moment of Inertia and Slenderness Limits of Reinforced Concrete and Fiber-Reinforced Concrete Slabs. <i>ACI Structural Journal</i> , 2022, , .	0.2	0