

OldÅich Sucharda

List of Publications by Year in descending order

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papers

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all docs

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docs citations

48
times ranked

348
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of mechanical and fracture properties of self-compacting concrete beams with different types of steel fibres using inverse analysis. <i>Construction and Building Materials</i> , 2017, 138, 263-275.	7.2	45
2	Determination of Mechanical Characteristics for Fiber-Reinforced Concrete with Straight and Hooked Fibers. <i>Crystals</i> , 2020, 10, 545.	2.2	43
3	Punching Shear Failure of Concrete Ground Supported Slab. <i>International Journal of Concrete Structures and Materials</i> , 2018, 12, .	3.2	31
4	Numerical Modelling and Bearing Capacity of Reinforced Concrete Beams. <i>Key Engineering Materials</i> , 0, 577-578, 281-284.	0.4	25
5	Experiments on Fiber Concrete Foundation Slabs in Interaction with the Subsoil. <i>Sustainability</i> , 2020, 12, 3939.	3.2	25
6	Identification of Fracture Mechanic Properties of Concrete and Analysis of Shear Capacity of Reinforced Concrete Beams without Transverse Reinforcement. <i>Materials</i> , 2020, 13, 2788.	2.9	25
7	Non-Linear Analysis of an RC Beam Without Shear Reinforcement with a Sensitivity Study of the Material Properties of Concrete. <i>Slovak Journal of Civil Engineering</i> , 2020, 28, 33-43.	0.5	24
8	Numerical Analysis of Reinforced Concrete Slab with Subsoil. <i>Civil and Environmental Engineering</i> , 2020, 16, 107-118.	1.2	22
9	Numerical Modeling and Analysis of Concrete Slabs in Interaction with Subsoil. <i>Sustainability</i> , 2020, 12, 9868.	3.2	21
10	Investigation of Fracture Properties by Inverse Analysis on Selected SCC Concrete Beams with Different Amount of Fibres. <i>Procedia Structural Integrity</i> , 2018, 13, 1533-1538.	0.8	20
11	Frost Resistance of Alkali-Activated Concrete – An Important Pillar of Their Sustainability. <i>Sustainability</i> , 2021, 13, 473.	3.2	19
12	Finite Element Modelling and Identification of the Material Properties of Fibre Concrete. <i>Procedia Engineering</i> , 2015, 109, 234-239.	1.2	18
13	Comparative Evaluation of Mechanical Properties of Fibre-Reinforced Concrete and Approach to Modelling of Bearing Capacity Ground Slab. <i>Periodica Polytechnica: Civil Engineering</i> , 0, , .	0.6	18
14	Measurement and Utilization of Acoustic Emission for the Analysis and Monitoring of Concrete Slabs on the Subsoil. <i>Periodica Polytechnica: Civil Engineering</i> , 0, , .	0.6	17
15	Influence of chlorides on the fracture toughness and fracture resistance under the mixed mode I/II of high-performance concrete. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 110, 102812.	4.7	16
16	Mathematical Modelling of Thin-Walled Cold-Rolled Cross-Section. <i>Applied Mechanics and Materials</i> , 0, 617, 171-174.	0.2	14
17	Comparative Study of High-Performance Concrete Characteristics and Loading Test of Pretensioned Experimental Beams. <i>Crystals</i> , 2021, 11, 427.	2.2	13
18	Effects of Loaded End Distance and Moisture Content on the Behavior of Bolted Connections in Squared and Round Timber Subjected to Tension Parallel to the Grain. <i>Materials</i> , 2020, 13, 5525.	2.9	11

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19	Analysis of Composite Timber-Concrete Ceiling Structure by Finite Element Method. Applied Mechanics and Materials, 0, 351-352, 254-259.	0.2	8
20	Analysis of Rotational Stiffness of the Timber Frame Connection. Sustainability, 2021, 13, 156.	3.2	8
21	Rotational Stiffness and Carrying Capacity of Timber Frame Corners with Dowel Type Connections. Materials, 2021, 14, 7429.	2.9	8
22	Timber Semirigid Frame Connection with Improved Deformation Capacity and Ductility. Buildings, 2022, 12, 583.	3.1	8
23	Elastic-Plastic Modelling of Reinforced Concrete Beam: Implementation and Comparison with the Experiment. Transactions of the VĀB: Technical University of Ostrava, Civil Engineering Series, 2011, XI, 1-7.	0.3	4
24	Fracture Resistance of Alkali Activated Concrete under the Mixed Mode I/II Load Conditions. Procedia Structural Integrity, 2019, 17, 610-617.	0.8	4
25	AAM for Structure Beams and Analysis of Beam without Shear Reinforcement. Solid State Phenomena, 0, 292, 3-8.	0.3	4
26	Physical Tests of Alternative Connections of Different High Roof Purlins Regarding Upward Loading. Buildings, 2021, 11, 512.	3.1	4
27	Analysis of Fiber-Reinforced Concrete Slabs under Centric and Eccentric Load. Materials, 2021, 14, 7152.	2.9	3
28	Management and Modern Aspects of Safety in Civil Engineering. Applied Mechanics and Materials, 0, 357-360, 2876-2880.	0.2	2
29	Failure and Plasticity Conditions of Concrete in the Finite Element Analysis. Applied Mechanics and Materials, 0, 367, 165-168.	0.2	2
30	Numerical modelling of reinforced concrete beams with fracture-plastic material. Frattura Ed Integrita Strutturale, 2014, 8, 375-382.	0.9	2
31	Modelling and Analysis of Reinforced Concrete Beams. Key Engineering Materials, 2015, 662, 81-84.	0.4	2
32	Testing and mechanical properties of high strength concrete. IOP Conference Series: Materials Science and Engineering, 2019, 549, 012012.	0.6	2
33	Calculation of Resistance and Non-Linear Analysis of Reinforced Concrete Beams. Solid State Phenomena, 0, 292, 140-145.	0.3	2
34	Aspects of Testing and Material Properties of Fiber Concrete. Solid State Phenomena, 0, 292, 9-14.	0.3	2
35	Analysis of Longitudinal Timber Beam Joints Loaded with Simple Bending. Sustainability, 2020, 12, 9288.	3.2	2
36	Modeling of Fiber-Reinforced Concrete and Finite Element Method. International Review of Civil Engineering, 2021, 12, 11.	0.1	2

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37	Determination of Concrete Cube Strength from Used Samples / UrÄenÄ-KrychelnÄ© Pevnosti Betonu U PouÄ¾itÄ½ch ZkuÄ½ebnÄch TrÄ½mcÄ½. Transactions of the VÄB: Technical University of Ostrava, Civil Engineering Series, 2012, 12, 186-194.	0.3	2
38	Experiment and numerical modeling suspended ceiling with identification of working diagram material. Frattura Ed Integrita Strutturale, 2017, 11, 62-71.	0.9	2
39	Comparison of Numerical Methods for Calculation of Thin Slabs. Advanced Materials Research, 0, 969, 73-77.	0.3	1
40	Diagnostic and Analysis of Specific Soil with Ground Water Level and Plain Concrete Slab Interaction. Acta Montanistica Slovaca, 2020, 25, 427-443.	0.4	1
41	Analysis of Timber-Concrete Ceiling Structure in Multi-Storey Building. Advanced Materials Research, 0, 969, 51-54.	0.3	0
42	Analysis of Reinforced Concrete Slab Structures. Applied Mechanics and Materials, 2015, 769, 97-100.	0.2	0
43	Resistance capacity of connection of thin-walled roof components. AIP Conference Proceedings, 2018, , .	0.4	0
44	Study of bearing capacity of support connection of thin-walled roof purlins Z350. AIP Conference Proceedings, 2019, , .	0.4	0
45	Measurement of acoustic emission at fibre reinforcement concrete slab with subsoil. IOP Conference Series: Materials Science and Engineering, 2019, 549, 012013.	0.6	0
46	Selected Approaches to Numerical Modeling and Analysis of Fiber Reinforced Concrete Beam. Solid State Phenomena, 2020, 309, 174-179.	0.3	0
47	Diagnostic of Crack in Concrete with Acoustic Emission in Case of Concrete Slab with Subsoil. International Review of Civil Engineering, 2021, 12, 78.	0.1	0