

Jiri Kolisko

List of Publications by Year in descending order

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91
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91
times ranked

236
citing authors

#	ARTICLE	IF	CITATIONS
1	Flue gas desulfurization gypsum: Study of basic mechanical, hydric and thermal properties. Construction and Building Materials, 2007, 21, 1500-1509.	7.2	105
2	Modeling of High-Strength FRC Structural Elements with Spatially Non-Uniform Fiber Volume Fraction. Journal of Advanced Concrete Technology, 2015, 13, 311-324.	1.8	17
3	Test and Technological Influences on Modulus of Elasticity of Concrete - Recapitulation. Procedia Engineering, 2013, 65, 266-272.	1.2	10
4	Changes of bond strength properties of hot-dip galvanized plain bars with cement paste after 1â€ year of curing. Construction and Building Materials, 2019, 226, 920-931.	7.2	10
5	Effect of Elevated Temperature on the Bond Strength of Prestressing Reinforcement in UHPC. Materials, 2020, 13, 4990.	2.9	9
6	Two Type of Impact Load Tests, Tested on Fibre Reinforced Concrete Specimens. Procedia Engineering, 2013, 65, 278-283.	1.2	7
7	Computer Nonlinear Analysis of the Formation and Development of Cracks in a Reinforced Concrete Slab Loaded by a Planar Uniform Load. Key Engineering Materials, 2014, 606, 229-232.	0.4	7
8	Material Properties of Ultra - High Performance Concrete in Extreme Conditions. Key Engineering Materials, 0, 711, 157-162.	0.4	7
9	Impact Resistance of Fibre-Reinforced Concrete. Advanced Materials Research, 0, 1054, 48-53.	0.3	6
10	Impact Testing of Concrete Using a Drop-Weight Impact Machine. Advanced Materials Research, 0, 1106, 225-228.	0.3	6
11	Structural condition assessment of the bridge in Ostrava. MATEC Web of Conferences, 2017, 107, 00001.	0.2	6
12	Testing of Bond Behavior of UHPC. Advanced Materials Research, 0, 1054, 95-98.	0.3	5
13	Influence of Surface Treatment of Testing Specimens on Spacing Factor. Applied Mechanics and Materials, 0, 238, 150-152.	0.2	4
14	The Monitoring of Shrinkage of the PVA Cement-Plates. Applied Mechanics and Materials, 0, 438-439, 280-282.	0.2	4
15	Loading Tests of Thin Plates Made of Ultra-High Performance Concrete Reinforced by PVA Fibers and 2D Textile Glass Reinforcement. Advanced Materials Research, 0, 1095, 569-572.	0.3	4
16	Dependence of Load Bearing Capacity on Homogeneity of Steel Fiber Distribution. Applied Mechanics and Materials, 0, 732, 353-356.	0.2	4
17	Design of Experimental Suspended Footbridge with Deck Made of UHPC. MATEC Web of Conferences, 2016, 77, 08005.	0.2	4
18	Impact of Steel Fibers on Workability and Properties of UHPC. Solid State Phenomena, 0, 249, 57-61.	0.3	4

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19	The Determination of Frost Resistance on Ultra High Performance Concrete. Advanced Materials Research, 2014, 1025-1026, 1005-1009.	0.3	3
20	Computer Nonlinear Analysis of the Formation and Development of Cracks in a Travertine Stone Pavement Exposed to Bending Stress Caused by a Single Load. Key Engineering Materials, 0, 606, 225-228.	0.4	3
21	The Effect of Elevated Temperature on High Performance Fiber Reinforced Concrete. Materials Science Forum, 0, 824, 191-195.	0.3	3
22	UHPRFC at high temperatures – Simultaneous thermal analysis and thermodilatometry. AIP Conference Proceedings, 2016, , .	0.4	3
23	UHPC and FRC in Severe Environmental Conditions. Key Engineering Materials, 0, 711, 412-419.	0.4	3
24	Application of UHPC Joints in Precast Structures. Solid State Phenomena, 0, 249, 267-272.	0.3	3
25	Production of footbridge with double curvature made of UHPC. IOP Conference Series: Materials Science and Engineering, 2017, 246, 012009.	0.6	3
26	Quality control of the concrete and corrosion damage of cables of prestressing reinforcement of KA beams, bridge in Chomutov. IOP Conference Series: Materials Science and Engineering, 2019, 549, 012001.	0.6	3
27	Experience with Strengthening Structures Using the Prestress FRP Materials and Bonding FRP Reinforcement in Cutting. , 2006, , 1.		2
28	Investigation of the Bond Behavior of UHPC. Applied Mechanics and Materials, 0, 617, 225-228.	0.2	2
29	Bridge Pavla Wonky in Pardubice. Diagnostics of Corrosion Condition of External Cables and Use of Special Materials for Proposal of Treatment. Advanced Materials Research, 0, 919-921, 619-624.	0.3	2
30	Assessment of Bond Behavior of UHPC and Prestressing Strands. Advanced Materials Research, 0, 1000, 247-250.	0.3	2
31	Evolution of Reconstruction of Plecnik Footbridge at Prague Castle. Advanced Materials Research, 2014, 923, 117-120.	0.3	2
32	Modal analysis of cable-stayed UHPC bridge. MATEC Web of Conferences, 2017, 107, 00007.	0.2	2
33	Design of footbridge with double curvature made of UHPC. IOP Conference Series: Materials Science and Engineering, 2017, 246, 012042.	0.6	2
34	New UHPRFC bridges in the Czech Republic. IOP Conference Series: Materials Science and Engineering, 2019, 596, 012011.	0.6	2
35	Development of High Volume Fly Ash Concrete (HVFA) in Czech Republic. Applied Mechanics and Materials, 0, 357-360, 1012-1018.	0.2	1
36	Impact of the Chemical Injection Method on the Dispersion of the Injected Agents in Masonry. Advanced Materials Research, 2013, 688, 73-78.	0.3	1

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37	Experimental Measurements and Computer Analysis of Heat of Hydration and Shrinkage of Large-Scale Model of Reinforced Concrete Wall with Base. <i>Advanced Materials Research</i> , 2014, 1004-1005, 1598-1601.	0.3	1
38	Design of an Experimental Prestressed Arch Pedestrian Bridge Made of UHPC. <i>Applied Mechanics and Materials</i> , 2014, 587-589, 1535-1538.	0.2	1
39	Failures of Concrete Slit Drains, Caused by Inappropriate Dilation Material Inserted into Multi-Layer Road Systems. <i>Applied Mechanics and Materials</i> , 0, 587-589, 1148-1151.	0.2	1
40	Failures of Concrete Slit Drains, Caused by Negative Effect of their Erroneous Integration into Surrounding Multi-Layer Road Systems. <i>Applied Mechanics and Materials</i> , 0, 587-589, 1152-1155.	0.2	1
41	Study of Degradation of Fiber - Cement Plates with Different Types of Non - Metallic Fibers. <i>Advanced Materials Research</i> , 0, 1025-1026, 633-636.	0.3	1
42	Design of an Experimental Tensegrity Pedestrian Bridge. <i>Applied Mechanics and Materials</i> , 2014, 587-589, 1646-1649.	0.2	1
43	Experimental Testing of Layered UHPFRC Beams. <i>Advanced Materials Research</i> , 0, 1000, 346-351.	0.3	1
44	Repeated Diagnostics of Maintained Prestressed Bridge Structure, Interpretation of Changes in Relation to Durability. <i>Key Engineering Materials</i> , 0, 691, 366-375.	0.4	1
45	High-temperature testing of high performance fiber reinforced concrete. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
46	Experimental and Theoretical Analysis of I-Pillars of Noise Barriers Made of Prestressed Steel Fiber Concrete, Prestressed Concrete and Reinforced Concrete with Footings Length of 600 mm. <i>Key Engineering Materials</i> , 2016, 709, 105-108.	0.4	1
47	Concrete Cover Effect on Bond Behaviour of UHPC. <i>Solid State Phenomena</i> , 0, 249, 273-277.	0.3	1
48	Assessment of Concrete Quality of Load-Bearing Structure of the Bridge across Otava River No. 121-006 near Zvikov after Fifty Years of Operation in Severe Environmental Conditions. <i>Key Engineering Materials</i> , 0, 722, 72-78.	0.4	1
49	Residual Material Properties of High Strength Fibre Reinforced Concrete Exposed to Elevated Temperatures. <i>Solid State Phenomena</i> , 0, 259, 85-89.	0.3	1
50	UHPC panels utilized as permanent formwork of in-situ cast reinforced concrete deck bridges. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 246, 012043.	0.6	1
51	Functionally Layered Thin Slabs Made from UHPC and ECC Composites. <i>Solid State Phenomena</i> , 2017, 259, 90-96.	0.3	1
52	UHPC Reinforced by Hybrid Fibers and its Resistance to High Temperature Loading. <i>Solid State Phenomena</i> , 2018, 272, 209-213.	0.3	1
53	Experimental verification of concrete resistance against effect of low pH. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 324, 012026.	0.6	1
54	Prefabrication of the Thin-Walled U-Profile UHPFRC Footbridge. <i>Key Engineering Materials</i> , 0, 760, 152-157.	0.4	1

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55	Issues of Concrete in Silage Pits. IOP Conference Series: Materials Science and Engineering, 2018, 324, 012023.	0.6	1
56	High Temperature Exposure of HPC – Experimental Analysis of Residual Properties and Thermal Response. MATEC Web of Conferences, 2016, 63, 01004.	0.2	1
57	Assessment of masonry strength in a heritage building. WIT Transactions on the Built Environment, 2009, , .	0.0	1
58	Fly Ashes for HVFAC Production. Procedia Engineering, 2013, 65, 352-357.	1.2	0
59	Impact of the Chemical Injection Method on the Dispersion of the Injected Agents in History Masonry of Construction Industry. Advanced Materials Research, 0, 743, 78-81.	0.3	0
60	Loading Tests of Experimental Models of an Integral Bridge Loaded by the Effects of Water Pressure during Floods. Applied Mechanics and Materials, 0, 587-589, 1554-1557.	0.2	0
61	Experimental Measurements and Computer Analysis of Heat of Hydration and Shrinkage of Large-Scale Model of Reinforced Concrete Slab. Advanced Materials Research, 0, 1004-1005, 1594-1597.	0.3	0
62	Prestressed I-Beams of 12 m Span Made of Ultra-High Performance Concrete for Construction of Railway Bridges. Applied Mechanics and Materials, 0, 587-589, 1593-1596.	0.2	0
63	Determination of Material Acoustic Features Using Small Samples. Key Engineering Materials, 0, 606, 111-114.	0.4	0
64	Concrete with High Content of Fly-Ash for Common Use in the Czech Republic. Advanced Materials Research, 0, 1000, 190-195.	0.3	0
65	Prestressed I-Beams Made of Ultra-High Performance Concrete for Construction of Railway Bridges. Applied Mechanics and Materials, 2014, 578-579, 776-778.	0.2	0
66	Determination of Selected Mechanical and Physical Properties of Historic Full Burnt Bricks in Frame of Project of Monitoring their Diffusion Properties. Advanced Materials Research, 0, 923, 85-88.	0.3	0
67	Impact Resistance of Thin-Walled Shell Structures. Applied Mechanics and Materials, 0, 617, 96-99.	0.2	0
68	The Influence of Age and Temperature on the Bond Behaviour between Prestressing Strands and UHPC. Advanced Materials Research, 0, 1106, 25-28.	0.3	0
69	Numerical Analysis of Damage of Precast Reinforced Concrete Structural System Caused by the Effects of Temperature Changes. Applied Mechanics and Materials, 0, 744-746, 192-195.	0.2	0
70	Comparison of Bond Behaviour between Reinforcement and UHPC and Ordinary Concrete in Extreme Conditions. Advanced Materials Research, 2015, 1124, 319-324.	0.3	0
71	Diagnosis of Myslinka Stone Railway Bridge. Key Engineering Materials, 0, 714, 186-191.	0.4	0
72	Development of Cement Based Composites with PVA Fibers. Solid State Phenomena, 0, 249, 62-66.	0.3	0

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73	Lightweight Concrete with Different Content of PP Fibers Exposed to High Temperature. Key Engineering Materials, 0, 722, 33-37.	0.4	0
74	Fire-Resistant Structures for Tunnels Using Light Concrete II. Solid State Phenomena, 0, 249, 33-40.	0.3	0
75	UHPC Footbridge over the Opatovický Canal. Solid State Phenomena, 0, 249, 320-324.	0.3	0
76	Assessment of structural condition of steel bridge in Brandýš nad Orlicí. MATEC Web of Conferences, 2017, 107, 00003.	0.2	0
77	Improving resistance of high strength concrete (HSC) bridge beams to frost and defrosting salt attack by application of hydrophobic agent. IOP Conference Series: Materials Science and Engineering, 2017, 236, 012053.	0.6	0
78	UHPC and NSFC in Severe Environmental Conditions. IOP Conference Series: Materials Science and Engineering, 2017, 251, 012031.	0.6	0
79	The Overall Research Results of Prestressed I-beams Made of Ultra-high Performance Concrete. IOP Conference Series: Materials Science and Engineering, 2017, 246, 012051.	0.6	0
80	Quality Control of the Concrete of the Supporting Structure of Bridge Reg. No. 333-003 over the Elbe in Pátek. Key Engineering Materials, 0, 760, 278-285.	0.4	0
81	Application of Glass Fiber Waste Polypropylene Aggregate in Lightweight Concrete – thermal properties. IOP Conference Series: Materials Science and Engineering, 2018, 324, 012025.	0.6	0
82	The Plečnik's Reconstructed Footbridge at Prague Castle, Eleven Years after. Key Engineering Materials, 2018, 776, 197-200.	0.4	0
83	Quality control of the concrete of the bridge reg. No. M117 in Pardubice. IOP Conference Series: Materials Science and Engineering, 2018, 385, 012045.	0.6	0
84	Delayed Casting of UHPFRC Elements. Key Engineering Materials, 2019, 801, 424-429.	0.4	0
85	Damage investigation of pre-stressed cables in segmental box girder concrete bridge ev. No. 324-018 in Pardubice, Czech Republic. IOP Conference Series: Materials Science and Engineering, 2019, 474, 012026.	0.6	0
86	Silicate Sprayed Mixture Based on Secondary Raw Materials. Key Engineering Materials, 2019, 808, 129-135.	0.4	0
87	Service Life of Concrete Structures. Solid State Phenomena, 2020, 309, 267-271.	0.3	0
88	Categorization of Bridges by Failure Consequences. Advances in Science and Technology, 0, 108, 53-57.	0.2	0
89	Study of damage extent to glass fibre in glass-fibre fabric reinforcement during exposure simulating concrete pore solution. Koroze A Ochrana Materialu, 2017, 61, 131-142.	0.7	0
90	Prestressing Steel Ropes - Corrosion Impact on its Properties. Solid State Phenomena, 0, 309, 272-280.	0.3	0

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91	New UHPFRC Bridges in Czech Republic. IABSE Symposium Report, 2022, , .	0.0	0