Pavel Mec

List of Publications by Year
in descending order

37 papers	67 citations	2258059 3 h-index	1872680 6 g-index
38 all docs	38 docs citations	38 times ranked	77 citing authors

#	Article	IF	Citations
1	Analysis of the highway tunnels monitoring using an optical fiber implemented into primary lining. Journal of Electrical Engineering, 2017, 68, 364-370.	0.7	14
2	Stiffness analysis of glued connection of the timber-concrete structure. Open Engineering, 2016, 6, .	1.6	9
3	Preparation and Properties of Pressed Metakaolin and Fly Ash Based Alkali-Activated Binders. Advanced Materials Research, 2014, 897, 65-68.	0.3	6
4	Testing of Possible Use of Fine-Grained Alkali Activated Composites in the Construction Industry. Materials Science Forum, 0, 865, 47-52.	0.3	6
5	Comparison of Selected Properties of Portland Cement Based Materials and Alkali Activated Materials Based on Granulated Blast Furnace Slag. Materials Science Forum, 0, 865, 107-113.	0.3	3
6	Hybrid Cements with Non Silicate Activators. Solid State Phenomena, 2017, 259, 30-34.	0.3	3
7	Portable Optical Fiber Bragg Grating Sensor for Monitoring Traffic Density. Applied Sciences (Switzerland), 2019, 9, 4796.	2.5	3
8	Analysis of using PDMS polymer as the sensors of the pressure or weight. , 2017, , .		3
9	Application of Scanning Electron Microscopy for the Purposes of Mineralized Wood Survey. Advanced Materials Research, 0, 1000, 251-256.	0.3	2
10	Alkali Activation of Blast Furnace Slag by Various Types of Activators. Solid State Phenomena, 0, 244, 94-101.	0.3	2
11	Application of Thermal Analysis for the Quantification of Mineralization in Surface Wooden Layers. Key Engineering Materials, 2018, 776, 3-8.	0.4	2
12	Fiber optic sensor based on Mach-Zehnder interferometer for securing entrance areas of buildings. , 2017, , .		2
13	Sensor system based on the Mach-Zehnder interferometer for the rail transport. , 2018, , .		2
14	Thermal Insulating Alkali-Activated Materials with Lightweight Aggregate. Advanced Materials Research, 2014, 897, 69-72.	0.3	1
15	Thermoanalytical Study of Binders Containing Pozzolanic and Latent Hydraulic Materials. Advanced Materials Research, 2014, 897, 21-24.	0.3	1
16	Utilization of Wood Modification for the Purpose of Moisture Volume Changes Reduction. Advanced Materials Research, 2014, 923, 25-30.	0.3	1
17	Possibilities of Thermal Analysis for the Evaluation of Construction Materials. Advanced Materials Research, 2014, 899, 425-430.	0.3	1
18	Mechanical Properties of Alkali-Activated Material with Waste Aggregate According to Porosity. Materials Science Forum, 0, 865, 53-56.	0.3	1

#	Article	IF	Citations
19	Shear test on samples produced by rapid prototyping technology. , 2017, , .		1
20	Influence of Wood Mineralization on the Thermal Degradation of Material. Key Engineering Materials, 2019, 808, 60-65.	0.4	1
21	Mechanical Properties of Mortars Based on Roman Cement with the Addition of Power Plant Fly Ash. Key Engineering Materials, 0, 868, 39-44.	0.4	1
22	Deformation sensor composed of fiber Bragg grating and the strain gauge for use in civil engineering. , 2018, , .		1
23	Application of FBG in the experimental measurements of structural elements deformation from cement composites. , 2018, , .		1
24	Modeling of Historical Timber Roof Truss of Å½eliv Monastery. Advanced Materials Research, 2013, 688, 201-206.	0.3	0
25	The Existing Timber StructuresÂâ€“ Possibilities and Limits of Diagnostic Methods in Assessment Process. Advanced Materials Research, 0, 923, 17-24.	0.3	0
26	Mineralization Influence on the Strength Parameter of Solid Wood. Advanced Materials Research, 2015, 1122, 15-18.	0.3	0
27	Bonded Joints in Water-Repellent Timber Structures. Key Engineering Materials, 0, 714, 3-9.	0.4	0
28	Fiber optic sensor for monitoring a density of road traffic. , 2017, , .		0
29	Monitoring system of hydraulic lifting device based on the fiber optic sensors. , 2017, , .		0
30	Bragg grating sensors for the monitoring load of production press machines. , 2017, , .		0
31	Monitoring of the structural loads of tunnels using a distributed optical system BOTDR. , 2017, , .		0
32	Standard optical fibers for load measuring of concrete structures using BOTDR. , 2018, , .		0
33	FBG strain sensor mounted on plastic carrier. , 2018, , .		0
34	Standard optical cables for building structures monitoring with BOTDR in harsh environments. , 2018, , .		0
35	Numerical modeling and measurement of polydimethylsiloxane deformation with fiber Bragg grating sensor. , 2018, , .		0
36	Design of encapsulation of fiber Bragg grating for the traffic applications. , 2019, , .		0

#	Article	IF	Citations
37	Distributed fibre-optic technology for security monitoring of a structural load of road and motorway tunnels. , 0, , .		0