

Pavel Mec

List of Publications by Year in descending order

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Version: 2024-02-01

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	Influence of Wood Mineralization on the Thermal Degradation of Material. Key Engineering Materials, 2019, 808, 60-65.	0.4	1
2	Portable Optical Fiber Bragg Grating Sensor for Monitoring Traffic Density. Applied Sciences (Switzerland), 2019, 9, 4796.	2.5	3
3	Design of encapsulation of fiber Bragg grating for the traffic applications. , 2019, , .		0
4	Application of Thermal Analysis for the Quantification of Mineralization in Surface Wooden Layers. Key Engineering Materials, 2018, 776, 3-8.	0.4	2
5	Sensor system based on the Mach-Zehnder interferometer for the rail transport. , 2018, , .		2
6	Deformation sensor composed of fiber Bragg grating and the strain gauge for use in civil engineering. , 2018, , .		1
7	Standard optical fibers for load measuring of concrete structures using BOTDR. , 2018, , .		0
8	FBG strain sensor mounted on plastic carrier. , 2018, , .		0
9	Application of FBG in the experimental measurements of structural elements deformation from cement composites. , 2018, , .		1
10	Standard optical cables for building structures monitoring with BOTDR in harsh environments. , 2018, , .		0
11	Numerical modeling and measurement of polydimethylsiloxane deformation with fiber Bragg grating sensor. , 2018, , .		0
12	Hybrid Cements with Non Silicate Activators. Solid State Phenomena, 2017, 259, 30-34.	0.3	3
13	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
14	Shear test on samples produced by rapid prototyping technology. , 2017, , .		1
15	Fiber optic sensor based on Mach-Zehnder interferometer for securing entrance areas of buildings. , 2017, , .		2
16	Fiber optic sensor for monitoring a density of road traffic. , 2017, , .		0
17	Monitoring system of hydraulic lifting device based on the fiber optic sensors. , 2017, , .		0
18	Bragg grating sensors for the monitoring load of production press machines. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Monitoring of the structural loads of tunnels using a distributed optical system BOTDR. , 2017, , .		0
20	Analysis of using PDMS polymer as the sensors of the pressure or weight. , 2017, , .		3
21	Stiffness analysis of glued connection of the timber-concrete structure. Open Engineering, 2016, 6, .	1.6	9
22	Mineralization Influence on the Strength Parameter of Solid Wood. Advanced Materials Research, 2015, 1122, 15-18.	0.3	0
23	Preparation and Properties of Pressed Metakaolin and Fly Ash Based Alkali-Activated Binders. Advanced Materials Research, 2014, 897, 65-68.	0.3	6
24	Thermal Insulating Alkali-Activated Materials with Lightweight Aggregate. Advanced Materials Research, 2014, 897, 69-72.	0.3	1
25	Thermoanalytical Study of Binders Containing Pozzolanic and Latent Hydraulic Materials. Advanced Materials Research, 2014, 897, 21-24.	0.3	1
26	Utilization of Wood Modification for the Purpose of Moisture Volume Changes Reduction. Advanced Materials Research, 2014, 923, 25-30.	0.3	1
27	Possibilities of Thermal Analysis for the Evaluation of Construction Materials. Advanced Materials Research, 2014, 899, 425-430.	0.3	1
28	Modeling of Historical Timber Roof Truss of Å½eliv Monastery. Advanced Materials Research, 2013, 688, 201-206.	0.3	0
29	Application of Scanning Electron Microscopy for the Purposes of Mineralized Wood Survey. Advanced Materials Research, 0, 1000, 251-256.	0.3	2
30	The Existing Timber Structures“ Possibilities and Limits of Diagnostic Methods in Assessment Process. Advanced Materials Research, 0, 923, 17-24.	0.3	0
31	Alkali Activation of Blast Furnace Slag by Various Types of Activators. Solid State Phenomena, 0, 244, 94-101.	0.3	2
32	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
33	Bonded Joints in Water-Repellent Timber Structures. Key Engineering Materials, 0, 714, 3-9.	0.4	0
34	Mechanical Properties of Alkali-Activated Material with Waste Aggregate According to Porosity. Materials Science Forum, 0, 865, 53-56.	0.3	1
35	Testing of Possible Use of Fine-Grained Alkali Activated Composites in the Construction Industry. Materials Science Forum, 0, 865, 47-52.	0.3	6
36	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

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