Viktor HlaviÄka

List of Publications by Year
in descending order

21 papers	242 citations	1040056 9 h-index	1058476 14 g-index
21 all docs	21 docs citations	21 times ranked	196 citing authors

#	Article	IF	Citations
1	Improved fire resistance by using slag cements. Journal of Thermal Analysis and Calorimetry, 2016, 125, 271-279.	3.6	32
2	Improved fire resistance by using Portland-pozzolana or Portland-fly ash cements. Journal of Thermal Analysis and Calorimetry, 2017, 129, 925-936.	3.6	31
3	Evaluation of Concrete Elements with X-Ray Computed Tomography. Journal of Materials in Civil Engineering, 2018, 30, .	2.9	22
4	Deep Learning based Thermal Crack Detection on Structural Concrete Exposed to Elevated Temperature. Advances in Structural Engineering, 0, , 136943322098663.	2.4	19
5	The impact of time on the heat resistance of self-compacting high-performance concrete incorporated with recycled martials. Journal of Thermal Analysis and Calorimetry, 2019, 138, 35-45.	3.6	17
6	Fibers and fiber cocktails to improve fire resistance of concrete. Journal of Thermal Analysis and Calorimetry, 2017, 128, 1453-1461.	3.6	16
7	Behaviour of tyres in fire. Journal of Thermal Analysis and Calorimetry, 2018, 133, 279-287.	3.6	16
8	Flexural strength of silica fume, fly ash, and metakaolin of hardened cement paste after exposure to elevated temperatures. Journal of Thermal Analysis and Calorimetry, 2022, 147, 7159-7169.	3.6	16
9	Evaluation of the mechanical properties of high-strength cement paste at elevated temperatures using metakaolin. Journal of Thermal Analysis and Calorimetry, 2021, 145, 2891-2905.	3.6	15
10	Heat resistance of portland cements. Journal of Thermal Analysis and Calorimetry, 2018, 132, 1449-1457.	3.6	13
11	The impact of metakaolin, silica fume and fly ash on the temperature resistance of high strength cement paste. Journal of Thermal Analysis and Calorimetry, 2022, 147, 2895-2906.	3.6	13
12	Classification of aggregates for fire. Construction and Building Materials, 2021, 266, 121024.	7.2	7
13	Effect of Elevated Temperatures on Microstructure of High Strength Concrete Based-Metakaolin. Journal of King Saud University, Engineering Sciences, 2021, , .	2.0	7
14	Behavior of structural lightweight concrete produced with expanded clay aggregate and after exposure to high temperatures. Journal of Thermal Analysis and Calorimetry, 2022, 147, 8111-8118.	3.6	7
15	CT analysis of core samples from fire-damaged concrete structures. Magazine of Concrete Research, 2017, 69, 802-810.	2.0	6
16	Effect of thermal transformation and stability on the flammability of PAN precursors-based carbon fibres. Journal of Thermal Analysis and Calorimetry, 2018, 133, 1075-1084.	3.6	2
17	Investigation of the Post-Fire Performance and Flexural Behaviour Modeling of FRC Exposed to a Standard Fire. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2023, 33, 238-257.	0.8	2
18	CT and laboratory test of the wall panels after fire load. Construction and Building Materials, 2019, 211, 1105-1116.	7.2	1

#	Article	IF	Citations
19	The effect of macrostructure and stability on the flammability of non-woven fabrics. Journal of Industrial Textiles, 2020, , 152808372090880.	2.4	0
20	Betonszerkezetek kÃ¡rosodÃ¡sa lÃ¶vedÃ©kbecsapÃ³dÃ¡s hatÃ¡sÃ¡ra I. rÃ©sz. Haditechnika, 2021, 55, 65-70.	0.0	0
21	Betonszerkezetek kÃ¡rosodÃ¡sa lÃ¶vedÃ©kbecsapÃ³dÃ¡s hatÃ¡sÃ¡ra. Haditechnika, 2021, 55, 56-59.	0.0	0