Jerzy HoÅ,a

List of Publications by Year
in descending order

33 papers	934 citations	393982 19 h-index	454577 30 g-index
35 all docs	35 docs citations	35 times ranked	654 citing authors

#	Article	IF	Citations
1	Nondestructive identification of delaminations in concrete floor toppings with acoustic methods. Automation in Construction, 2011, 20, 799-807.	4.8	88
2	Usefulness of 3D surface roughness parameters for nondestructive evaluation of pull-off adhesion of concrete layers. Construction and Building Materials, 2015, 84, 111-120.	3.2	82
3	Evaluation of the height 3D roughness parameters of concrete substrate and the adhesion to epoxy resin. International Journal of Adhesion and Adhesives, 2016, 67, 3-13.	1.4	66
4	Study on properties of self-compacting concrete modified with nanoparticles. Archives of Civil and Mechanical Engineering, 2018, 18, 877-886.	1.9	63
5	New technique of nondestructive assessment of concrete strength using artificial intelligence. NDT and E International, 2005, 38, 251-259.	1.7	62
6	Non-destructive and semi-destructive diagnostics of concrete structures in assessment of their durability. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2015, 63, 87-96.	0.8	57
7	NEW NONDESTRUCTIVE WAY OF IDENTIFYING THE VALUES OF PULL-OFF ADHESION BETWEEN CONCRETE LAYERS IN FLOORS. Journal of Civil Engineering and Management, 2014, 20, 561-569.	1.9	44
8	Pull-off adhesion prediction of variable thick overlay to the substrate. Automation in Construction, 2018, 85, 10-23.	4.8	38
9	ANN modeling of pull-off adhesion of concrete layers. Advances in Engineering Software, 2015, 89, 17-27.	1.8	37
10	APPLICATION OF ARTIFICIAL NEURAL NETWORKS TO DETERMINE CONCRETE COMPRESSIVE STRENGTH BASED ON NON‐DESTRUCTIVE TESTS. Journal of Civil Engineering and Management, 2005, 11, 23-32.	1.9	37
11	METHODOLOGY OF NONDESTRUCTIVE IDENTIFICATION OF DEFECTIVE CONCRETE ZONES IN UNILATERALLY ACCESSIBLE MASSIVE MEMBERS. Journal of Civil Engineering and Management, 2013, 19, 775-786.	1.9	29
12	Analysis of the Moisture Content of Masonry Walls in Historical Buildings Using the Basement of a Medieval Town Hall as an Example. Procedia Engineering, 2017, 172, 363-368.	1.2	28
13	Microstructural Analysis of Self-compacting Concrete Modified with the Addition of Nanoparticles. Procedia Engineering, 2017, 172, 776-783.	1.2	28
14	Non-destructive neural identification of the bond between concrete layers in existing elements. Construction and Building Materials, 2016, 127, 49-58.	3.2	27
15	The effect of the porosity within the interfacial zone between layers on pull-off adhesion. Construction and Building Materials, 2017, 152, 887-897.	3.2	26
16	Artificial neural networks for non-destructive identification of the interlayer bonding between repair overlay and concrete substrate. Advances in Engineering Software, 2020, 141, 102769.	1.8	26
17	Historical Buildings Dampness Analysis Using Electrical Tomography and Machine Learning Algorithms. Energies, 2021, 14, 1307.	1.6	23
18	Multi-sensor evaluation of the concrete within the interlayer bond with regard to pull-off adhesion. Archives of Civil and Mechanical Engineering, 2018, 18, 573-582.	1.9	21

#	ARTICLE	IF	CITATIONS
19	Neural Prediction of the Pull-Off Adhesion of the Concrete Layers in Floors on the Basis of Nondestructive Tests. Procedia Engineering, 2013, 57, 986-995.	1.2	20
20	Failure process of compressed self-compacting concrete modified with nanoparticles assessed by acoustic emission method. Automation in Construction, 2020, 112, 103111.	4.8	19
21	The Influence of an Additive in the form of Selected Nanoparticles on the Physical and Mechanical Characteristics of Self-Compacting Concrete. Procedia Engineering, 2015, 111, 601-606.	1.2	16
22	Microstructural and mechanical assessment of the causes of failure of floors made of polyurethane-cement composites. Composite Structures, 2020, 238, 112002.	3.1	16
23	New paradigm in the metrology of concrete surface morphology: Methods, parameters and applications. Measurement: Journal of the International Measurement Confederation, 2021, 169, 108497.	2.5	13
24	Non-destructive neural identification of the moisture content of saline ceramic bricks. Construction and Building Materials, 2016, 113, 144-152.	3.2	12
25	Evaluation of interlayer bonding in layered composites based on non-destructive measurements and machine learning: Comparative analysis of selected learning algorithms. Automation in Construction, 2021, 132, 103977.	4.8	10
26	Analysis of the causes of cracks in marble slabs in a large-surface floor of a representative commercial facility. Engineering Failure Analysis, 2019, 97, 1-9.	1.8	8
27	Non-destructive identification of cracks in unilaterally accessible massive concrete walls in hydroelectric power plant. Archives of Civil and Mechanical Engineering, 2016, 16, 413-421.	1.9	5
28	The effect of failure to comply with technological and technical requirements on the condition of newly built cement mortar floors. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2018, , 146442071879937.	0.7	5
29	The Use of a 3D Scanner for Evaluating the Morphology of a Sandblasted Concrete Surface. Key Engineering Materials, 0, 662, 193-196.	0.4	4
30	STRESS FAILURE OF CEMENT CONCRETES UNDER COMPRESSION â€" SYNTHESIS OF KNOWLEDGE, CONCLUSIONS. Journal of Civil Engineering and Management, 2014, 21, 1-10.	1.9	3
31	Degradacja budynkÃ³w zabytkowych wskutek nadmiernego zawilgocenia â€" wybrane problemy. Budownictwo I Architektura, 2019, 17, 133-148.	0.1	3
32	Methodology for Controlling the Technological Process of Executing Floors Made of Cement-Based Materials. Materials, 2020, 13, 948.	1.3	2
33	The Influence of External Environmental Conditions on Properties of Ceramic Building Materials with Waste Material Additives. Materials, 2021, 14, 2982.	1.3	0