

Arkusz SkarÅ¼yÅ„ski

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

751
citations

933447

10
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

617
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling of concrete fracture at aggregate level using FEM and DEM based on X-ray μ CT images of internal structure. <i>Engineering Fracture Mechanics</i> , 2015, 147, 13-35.	4.3	145
2	Mechanical and fracture properties of concrete reinforced with recycled and industrial steel fibers using Digital Image Correlation technique and X-ray micro computed tomography. <i>Construction and Building Materials</i> , 2018, 183, 283-299.	7.2	123
3	Experimental Investigations of Fracture Process in Concrete by Means of X-ray Micro-computed Tomography. <i>Strain</i> , 2016, 52, 26-45.	2.4	97
4	Calculations of fracture process zones on meso-scale in notched concrete beams subjected to three-point bending. <i>European Journal of Mechanics, A/Solids</i> , 2010, 29, 746-760.	3.7	93
5	Measurements and Calculations of the Width of the Fracture Process Zones on the Surface of Notched Concrete Beams. <i>Strain</i> , 2011, 47, e319.	2.4	83
6	Application of DIC Technique to Concrete – Study on Objectivity of Measured Surface Displacements. <i>Experimental Mechanics</i> , 2013, 53, 1545-1559.	2.0	72
7	Experimental Investigations of Fracture Process Using DIC in Plain and Reinforced Concrete Beams under Bending. <i>Strain</i> , 2013, 49, 521-543.	2.4	59
8	Mechanical and radiation shielding properties of concrete reinforced with boron-basalt fibers using Digital Image Correlation and X-ray micro-computed tomography. <i>Construction and Building Materials</i> , 2020, 255, 119252.	7.2	35
9	Modelling reinforced concrete beams under mixed shear-tension failure with different continuous FE approaches. <i>Computers and Concrete</i> , 2013, 12, 585-612.	0.7	12
10	Investigations on fracture in reinforced concrete beams in 3-point bending using continuous micro-CT scanning. <i>Construction and Building Materials</i> , 2021, 284, 122796.	7.2	10
11	Shear fracture of longitudinally reinforced concrete beams under bending using Digital Image Correlation and FE simulations with concrete micro-structure based on X-ray micro-computed tomography images. <i>Construction and Building Materials</i> , 2021, 274, 122116.	7.2	9
12	Numerical analyses of novel prefabricated structural wall panels in residential buildings based on laboratory tests in scale 1:1. <i>European Journal of Environmental and Civil Engineering</i> , 2020, 24, 1450-1482.	2.1	5
13	Modelling the effect of material composition on the tensile properties of concrete. , 2013, , 52-97.		4
14	3D X-ray Micro-CT Analysis of Rebar Corrosion in Reinforced Concrete Subjected to a Chloride-Induced Environment. <i>Molecules</i> , 2022, 27, 192.	3.8	3