

Jerzy Bobiński

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Assessment of the Influence of Tensile Softening of Concrete in Beams under Bending by Numerical Simulations with XFEM and Cohesive Cracks. <i>Materials</i> , 2022, 15, 626.	2.9	2
2	Finite element analysis on failure of reinforced concrete corner in sewage tank under opening bending moment. <i>Engineering Structures</i> , 2021, 228, 111506.	5.3	4
3	Size effect in concrete beams under bending – influence of the boundary layer and the numerical description of cracks. <i>MATEC Web of Conferences</i> , 2019, 262, 10008.	0.2	1
4	Meso-scale analyses of size effect in brittle materials using DEM. <i>Granular Matter</i> , 2019, 21, 1.	2.2	21
5	On Some Problems in Determining Tensile Parameters of Concrete Model from Size Effect Tests. <i>Polish Maritime Research</i> , 2019, 26, 115-125.	1.9	7
6	A three-dimensional meso-scale modelling of concrete fracture, based on cohesive elements and X-ray μ CT images. <i>Engineering Fracture Mechanics</i> , 2018, 189, 27-50.	4.3	97
7	Two-dimensional simulations of concrete fracture at aggregate level with cohesive elements based on X-ray μ CT images. <i>Engineering Fracture Mechanics</i> , 2016, 168, 204-226.	4.3	88
8	Comparison of continuous and discontinuous constitutive models to simulate concrete behaviour under mixed-mode failure conditions. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2016, 40, 406-435.	3.3	26
9	A coupled constitutive model for fracture in plain concrete based on continuum theory with non-local softening and eXtended Finite Element Method. <i>Finite Elements in Analysis and Design</i> , 2016, 114, 1-21.	3.2	26
10	Simulations of Shear Zones and Cracks in Engineering Materials Using eXtended Finite Element Method. <i>Springer Series in Geomechanics and Geoengineering</i> , 2015, , 1-6.	0.1	1
11	Continuous and Discontinuous Modelling of Fracture in Concrete Using FEM. <i>Springer Series in Geomechanics and Geoengineering</i> , 2013, , .	0.1	24
12	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
13	Application of Extended Finite Element Method to Cracked Concrete Elements – Numerical Aspects. <i>Archives of Civil Engineering</i> , 2012, 58, 409-431.	0.7	3
14	FE analysis of reinforced concrete corbels with enhanced continuum models. <i>Finite Elements in Analysis and Design</i> , 2011, 47, 1066-1078.	3.2	30
15	FE analysis of failure behaviour of reinforced concrete columns under eccentric compression. <i>Engineering Structures</i> , 2008, 30, 300-317.	5.3	64
16	Effect of a characteristic length on crack spacing in a reinforced concrete bar under tension. <i>Mechanics Research Communications</i> , 2007, 34, 460-465.	1.8	14
17	Simulations of spacing of localized zones in reinforced concrete beams using elasto-plasticity and damage mechanics with non-local softening. <i>Computers and Concrete</i> , 2007, 4, 377-402.	0.7	29
18	A Rational Approach to Stress-Dilatancy Modelling Using an Explicit Micromechanical Formulation. , 2007, , 319-340.		0