Martijn Stroeven

List of Publications by Year
in descending order

25 papers	**1,122** citations	430754 **18** h-index	610775 **24** g-index
26 all docs	**26** docs citations	**26** times ranked	**866** citing authors

#	Article	IF	Citations
1	Effects of technological parameters on permeability estimation of partially saturated cement paste by a DEM approach. Cement and Concrete Composites, 2017, 84, 222-231.	4.6	14
2	A numerical investigation into the influence of the interfacial transition zone on the permeability of partially saturated cement paste between aggregate surfaces. Cement and Concrete Research, 2017, 102, 99-108.	4.6	32
3	Estimating permeability of cement paste using pore characteristics obtained from DEM-based modelling. Construction and Building Materials, 2016, 126, 740-746.	3.2	10
4	Investigation of liquid water and gas permeability of partially saturated cement paste by DEM approach. Cement and Concrete Research, 2016, 83, 104-113.	4.6	27
5	Capabilities for property assessment on different levels of the micro-structure of DEM-simulated cementitious materials. Construction and Building Materials, 2015, 88, 105-117.	3.2	19
6	A novel numerical multi-component model for simulating hydration of cement. Computational Materials Science, 2013, 78, 12-21.	1.4	19
7	Influence of particle packing on elastic properties of concrete. Magazine of Concrete Research, 2012, 64, 163-175.	0.9	25
8	Multiscale failure modeling of concrete: Micromechanical modeling, discontinuous homogenization and parallel computations. Computer Methods in Applied Mechanics and Engineering, 2012, 201-204, 139-156.	3.4	111
9	An enhanced continuous–discontinuous multiscale method for modeling mode-I cohesive failure in random heterogeneous quasi-brittle materials. Engineering Fracture Mechanics, 2012, 79, 78-102.	2.0	55
10	Computational homogenization for multiscale crack modeling. Implementational and computational aspects. International Journal for Numerical Methods in Engineering, 2012, 89, 192-226.	1.5	77
11	Optimization of particle packing by analytical and computer simulation approaches. Computers and Concrete, 2012, 9, 119-131.	0.7	4
12	MULTISCALE CONTINUOUS AND DISCONTINUOUS MODELING OF HETEROGENEOUS MATERIALS: A REVIEW ON RECENT DEVELOPMENTS. Journal of Multiscale Modeling, 2011, 03, 229-270.	1.0	143
13	Discrete element modelling approach to assessment of granular properties in concrete. Journal of Zhejiang University: Science A, 2011, 12, 335-344.	1.3	24
14	Homogenization-based multiscale crack modelling: From micro-diffusive damage to macro-cracks. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 1220-1236.	3.4	133
15	Influence of particle packing on fracture properties of concrete. Computers and Concrete, 2011, 8, 677-692.	0.7	14
16	On the existence of representative volumes for softening quasi-brittle materials – A failure zone averaging scheme. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 3028-3038.	3.4	115
17	Particle packing in a model concrete at different levels of the microstructure: Evidence of an intrinsic patchy nature. Materials Characterization, 2009, 60, 1088-1092.	1.9	34
18	Characterization of the packing of aggregate in concrete by a discrete element approach. Materials Characterization, 2009, 60, 1082-1087.	1.9	44

#	Article	IF	Citations
19	SELF-HEALING CAPACITY OF CONCRETE - COMPUTER SIMULATION STUDY OF UNHYDRATED CEMENT STRUCTURE. Image Analysis and Stereology, 2007, 26, 137.	0.4	17
20	On Connectivity of Porosity in Model Cement Paste. , 2006, , 25-34.		2
21	Influence of Boundary Conditions on Pore Percolation in Model Cement Paste. Key Engineering Materials, 2006, 302-303, 486-492.	0.4	29
22	Exploitation of Particle Migration Mechanism to Promote Economy and Ecology in Concrete Technology. Key Engineering Materials, 2006, 302-303, 19-25.	0.4	2
23	Reconstructions by SPACE of the Interfacial Transition Zone. Cement and Concrete Composites, 2001, 23, 189-200.	4.6	50
24	Assessment of packing characteristics by computer simulation. Cement and Concrete Research, 1999, 29, 1201-1206.	4.6	84
25	SPACE system for simulation of aggregated matter application to cement hydration. Cement and Concrete Research, 1999, 29, 1299-1304.	4.6	37