Zdenek Bittnar

List of Publications by Year
in descending order

18 papers	436 citations	1163117 8 h-index	1199594 12 g-index
18 all docs	18 docs citations	18 times ranked	560 citing authors

#	ARTICLE	IF	CITATIONS
1	Dry separation of brown coal fly ash, determination of its physical, morphological, chemical, and mechanical properties of its cementitious mixes. Periodica Polytechnica: Civil Engineering, 2017, , .	0.6	0
2	DETERMINING THE ROLE OF INDIVIDUAL FLY ASH PARTICLES IN INFLUENCING THE VARIATION IN THE OVERALL PHYSICAL, MORPHOLOGICAL, AND CHEMICAL PROPERTIES OF FLY ASH. Acta Polytechnica, 2016, 56, 265-282.	0.6	3
3	Mechanical behaviour and durability of high volume fly ash cementitious composites. Frattura Ed Integrita Strutturale, 2016, 10, 305-318.	0.9	0
4	Using the recursive subdivision and the advancing front technique for the discretization of multi-phase microstructures. Advances in Engineering Software, 2013, 62-63, 39-50.	3.8	1
5	Multiscale simulations of concrete mechanical tests. Journal of Computational and Applied Mathematics, 2012, 236, 4882-4892.	2.0	30
6	Material and structural characterization of alkali activated low-calcium brown coal fly ash. Journal of Hazardous Materials, 2009, 168, 711-720.	12.4	184
7	Reinforcement-Matrix Interaction Modeled by FETI Method. Lecture Notes in Computational Science and Engineering, 2008, , 567-573.	0.3	2
8	Static load balancing applied to Schur complement method. Computers and Structures, 2007, 85, 489-498.	4.4	6
9	Microstructure-based micromechanical prediction of elastic properties in hydrating cement paste. Cement and Concrete Research, 2006, 36, 1708-1718.	11.0	136
10	Model-Based Simulation of Durability of Materials and Structures. Journal of Materials in Civil Engineering, 2005, 17, 239-240.	2.9	0
11	Triangulation of 3D surfaces reconstructed by interpolating subdivision. Computers and Structures, 2004, 82, 2093-2103.	4.4	15
12	Experimental investigation and numerical simulation of post-peak behavior and size effect of reinforced concrete columns. Materials and Structures/Materiaux Et Constructions, 2004, 37, 161-169.	3.1	8
13	Microplane models: computational aspects and proposed parallel algorithm. Computers and Structures, 2002, 80, 2099-2108.	4.4	11
14	Parallel explicit finite element solid dynamics with domain decomposition and message passing: dual partitioning scalability. Computers and Structures, 2001, 79, 345-360.	4.4	31
15	Vibration characteristics of a cooling-tower shell. Journal of Wind Engineering and Industrial Aerodynamics, 1983, 12, 145-154.	3.9	8
16	Problems with Variability in Using Fly Ash in Mixed Cement. Advanced Materials Research, 0, 969, 308-311.	0.3	0
17	Determination of the Failure on the Concrete Runway. Advanced Materials Research, 0, 969, 109-112.	0.3	0
18	The Behavior of Fly Ash in Concrete Mixture. Key Engineering Materials, 0, 714, 103-106.	0.4	1