

# Jan Gm Van Mier

## List of Publications by Year in descending order

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11  
papers

683  
citations

840776

11  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

544  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fracture mechanisms in particle composites: statistical aspects in lattice type analysis. <i>Mechanics of Materials</i> , 2002, 34, 705-724.	3.2	158
2	Experimental investigation of size effect in concrete and sandstone under uniaxial tension. <i>Engineering Fracture Mechanics</i> , 2000, 65, 165-188.	4.3	144
3	Experimental and numerical study on the behavior of concrete subjected to biaxial tension and shear. <i>Advanced Cement Based Materials</i> , 1993, 1, 22-37.	0.3	74
4	Effect of strain gradients on the size effect of concrete in uniaxial tension. <i>International Journal of Fracture</i> , 1999, 95, 195-219.	2.2	54
5	Analysis of compressive fracture of three different concretes by means of 3D-digital image correlation and vacuum impregnation. <i>Cement and Concrete Composites</i> , 2010, 32, 281-290.	10.7	47
6	Influence of particle density on 3D size effects in the fracture of (numerical) concrete. <i>Mechanics of Materials</i> , 2008, 40, 470-486.	3.2	45
7	Geometrical and structural aspects of concrete fracture. <i>Engineering Fracture Mechanics</i> , 1990, 35, 617-628.	4.3	37
8	Numerical simulation of chaotic and self-organizing damage in brittle disordered materials. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1997, 142, 189-201.	6.6	33
9	Framework for a generalized four-stage fracture model of cement-based materials. <i>Engineering Fracture Mechanics</i> , 2008, 75, 5072-5086.	4.3	33
10	Size effect in tensile strength caused by stress fluctuations. <i>International Journal of Fracture</i> , 2001, 108, 43-61.	2.2	11
11	Fracture Laws for Simulating Compressive Fracture in Lattice-Type Models. <i>Materials Science Forum</i> , 0, 706-709, 1550-1555.	0.3	2