

Fabrizio Barpi

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

441
citations

623188

14
h-index

713013

21
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all docs

30
docs citations

30
times ranked

393
citing authors

#	ARTICLE	IF	CITATIONS
1	Cohesive crack model description of ductile to brittle size-scale transition: dimensional analysis vs. renormalization group theory. <i>Engineering Fracture Mechanics</i> , 2003, 70, 1809-1839.	2.0	64
2	Impact behaviour of concrete: a computational approach. <i>Engineering Fracture Mechanics</i> , 2004, 71, 2197-2213.	2.0	36
3	Creep and fracture in concrete: a fractional order rate approach. <i>Engineering Fracture Mechanics</i> , 2002, 70, 611-623.	2.0	35
4	The cohesive frictional crack model applied to the analysis of the dam-foundation joint. <i>Engineering Fracture Mechanics</i> , 2010, 77, 2182-2191.	2.0	34
5	A fractional order rate approach for modeling concrete structures subjected to creep and fracture. <i>International Journal of Solids and Structures</i> , 2004, 41, 2607-2621.	1.3	31
6	Modeling water penetration at dam-foundation joint. <i>Engineering Fracture Mechanics</i> , 2008, 75, 629-642.	2.0	30
7	Size-effects induced bifurcation phenomena during multiple cohesive crack propagation. <i>International Journal of Solids and Structures</i> , 1998, 35, 1851-1861.	1.3	27
8	Lifetime evaluation of concrete structures under sustained post-peak loading. <i>Engineering Fracture Mechanics</i> , 2005, 72, 2427-2443.	2.0	20
9	Cellular-Automata Model for Dense-Snow Avalanches. <i>Journal of Cold Regions Engineering - ASCE</i> , 2007, 21, 121-140.	0.5	20
10	Influence of the Tunnel Shape on Shotcrete Lining Stresses. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2012, 27, 260-275.	6.3	17
11	Healing of snow surface-to-surface contacts by isothermal sintering. <i>Cryosphere</i> , 2014, 8, 1651-1659.	1.5	17
12	Fuzzy parameters analysis of time-dependent fracture of concrete dam models. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2002, 26, 1005-1027.	1.7	16
13	Fracture mechanics characterization of an anisotropic geomaterial. <i>Engineering Fracture Mechanics</i> , 2012, 84, 111-122.	2.0	16
14	A new experimental snow avalanche test site at Seehore peak in Aosta Valley (NW Italian Alps) – part I: Conception and logistics. <i>Cold Regions Science and Technology</i> , 2013, 85, 175-182.	1.6	14
15	Analysis of Fracture Mechanics Tests on Opalinus Clay. <i>Rock Mechanics and Rock Engineering</i> , 2012, 45, 767.	2.6	12
16	A new experimental snow avalanche test site at Seehore peak in Aosta Valley (NW Italian Alps) ? Part II: Engineering aspects. <i>Cold Regions Science and Technology</i> , 2013, 86, 14-21.	1.6	9
17	An innovative bio-engineering retaining structure for supporting unstable soil. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2017, 9, 247-259.	3.7	9
18	Fuzzy modelling of powder snow avalanches. <i>Cold Regions Science and Technology</i> , 2004, 40, 213-227.	1.6	6

#	ARTICLE	IF	CITATIONS
19	Impact of Debris Flows on Filter Barriers: Analysis Based on Site Monitoring Data. Environmental and Engineering Geoscience, 2021, 27, 195-212.	0.3	6
20	Stiffening Effect of Bolt-On Transducers on Strain Measurements. Latin American Journal of Solids and Structures, 2016, 13, 536-553.	0.6	5
21	Snow Avalanche Impact Measurements at the Seehore Test Site in Aosta Valley (NW Italian Alps). Geosciences (Switzerland), 2019, 9, 471.	1.0	5
22	Snow Pressure on a Semiflexible Retaining Structure. Journal of Cold Regions Engineering - ASCE, 2014, 28, 04014002.	0.5	3
23	Perspectives on Snow Avalanche Dynamics Research. Geosciences (Switzerland), 2021, 11, 57.	1.0	3
24	Hacking Higher Education: Rethinking the EduHack Course. Education Sciences, 2021, 11, 40.	1.4	3
25	Time-dependent fracture of concrete dam models with fuzzy parameters. AIP Conference Proceedings, 2001, , .	0.3	2
26	A Large Time Increment method applied to an interface cohesive crack growing in compression-shear conditions. Engineering Fracture Mechanics, 2018, 192, 362-371.	2.0	1
27	The BÃ©lidor Bascule Bridge Design. International Journal for the History of Engineering and Technology, 2012, 82, 159-175.	0.6	0
28	Work-in-Progress: Pedestrian bridge application in a Fundamentals of Structural Analysis course inside an Architecture bachelor program. , 2020, , .		0
29	Pedestrian Bridge Application in a Fundamentals of Structural Analysis Course Inside an Architecture Bachelor Program. International Journal of Engineering Pedagogy, 2021, 11, 4.	0.7	0
30	Recent developments in the Italian technical rules for dams and barrages. Dams and Reservoirs, 0, , 1-16.	0.1	0