

Fabrice Gatuingt

List of Publications by Year in descending order

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37
papers

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citations

623574

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39
all docs

39
docs citations

39
times ranked

581
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward virtual design and optimization of a structural test monitored by a multi-view system. Journal of Strain Analysis for Engineering Design, 2021, 56, 112-128.	1.0	7
2	Enhanced finite element formulation incorporating stress jumps and interface behavior in structures with embedded linear inclusions. International Journal for Numerical Methods in Engineering, 2021, 122, 726-751.	1.5	0
3	Numerical study based on the Constitutive Relation Error for identifying semi-rigid joint parameters between planar structural elements. Engineering Structures, 2021, 236, 112015.	2.6	2
4	Numerical Estimation of Crack Openings in Concrete Structures Under Multi-physic Loadings. RILEM Bookseries, 2021, , 265-275.	0.2	0
5	On structural finite element modeling strategies and their influence on the optimization of final constructability of reinforced concrete structures. Nuclear Engineering and Design, 2021, 385, 111541.	0.8	1
6	Wall-slab joint parameter identification of a reinforced concrete structure using possibly corrupted modal data. International Journal for Numerical and Analytical Methods in Geomechanics, 2020, 44, 19-39.	1.7	8
7	Role of pore pressure on cracking and mechanical performance of concrete subjected to drying. Cement and Concrete Composites, 2020, 114, 103727.	4.6	9
8	One-dimensional Eikonal Non-Local (ENL) damage models: Influence of the integration rule for computing interaction distances and indirect loading control on damage localization. Mechanics Research Communications, 2020, 110, 103620.	1.0	5
9	From diffuse damage to strain localization from an Eikonal Non-Local (ENL) Continuum Damage model with evolving internal length. Computer Methods in Applied Mechanics and Engineering, 2018, 331, 650-674.	3.4	25
10	A new multi-frequency approach based on Padé approximants for the treatment of transient dynamics problems with the variational theory of complex rays. Journal of Sound and Vibration, 2017, 392, 170-186.	2.1	2
11	Clustering analysis in a mesoscopic model of a concrete-like material and its impact on dynamic fracture. Mechanics and Industry, 2017, 18, 306.	0.5	0
12	AUGC 2014 "From preservation to innovation". European Journal of Environmental and Civil Engineering, 2016, 20, 625-625.	1.0	0
13	Influence of the aircraft crash induced local nonlinearities on the overall dynamic response of a RC structure through a parametric study. Nuclear Engineering and Design, 2016, 298, 168-182.	0.8	6
14	MODELING AND SIMULATION FOR AN OPTIMIZED DESIGN OF A DYNAMIC BEND TEST.. , 2016, , .		1
15	Application of the variational theory of complex rays to the determination of shock induced vibration of a RC structure. International Journal of Safety and Security Engineering, 2016, 6, 427-437.	0.5	0
16	A new methodology for assessing the global dynamic response of large shell structures under impact loading. Engineering Computations, 2015, 32, 2343-2382.	0.7	2
17	Nonlocal models with damage-dependent interactions motivated by internal time. Engineering Fracture Mechanics, 2015, 142, 255-275.	2.0	18
18	Upscaling permeability for fractured concrete: meso-macro numerical approach coupled to strong discontinuities. International Journal for Numerical and Analytical Methods in Geomechanics, 2014, 38, 536-550.	1.7	28

#	ARTICLE	IF	CITATIONS
19	Intrinsic dissipation of a modular anisotropic damage model: Application to concrete under impact. <i>Engineering Fracture Mechanics</i> , 2014, 127, 161-180.	2.0	5
20	Numerical determination of the tensile response and the dissipated fracture energy of concrete: role of the mesostructure and influence of the loading rate. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2013, 37, 3112-3130.	1.7	32
21	A meso-mechanical model for concrete under dynamic tensile and compressive loading. <i>International Journal of Fracture</i> , 2012, 178, 179-194.	1.1	39
22	A parallel and multiscale strategy for the parametric study of transient dynamic problems with friction. <i>International Journal for Numerical Methods in Engineering</i> , 2011, 88, 657-672.	1.5	4
23	Delay-active damage versus non-local enhancement for anisotropic damage dynamics computations with alternated loading. <i>Engineering Fracture Mechanics</i> , 2010, 77, 2294-2315.	2.0	26
24	A parallel, multiscale domain decomposition method for the transient dynamic analysis of assemblies with friction. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2010, 199, 1297-1306.	3.4	9
25	Nonstandard Thermodynamics Framework for Robust Computations with Induced Anisotropic Damage. <i>International Journal of Damage Mechanics</i> , 2010, 19, 53-73.	2.4	25
26	Introduction of an internal time in nonlocal integral theories. , 2010, , 121-128.		4
27	A testing technique for concrete under confinement at high rates of strain. <i>International Journal of Impact Engineering</i> , 2008, 35, 425-446.	2.4	122
28	Anisotropic 3D delay-damage model to simulate concrete structures. <i>European Journal of Computational Mechanics</i> , 2008, 17, 749-760.	0.6	10
29	Anisotropic damage modelling of biaxial behaviour and rupture of concrete structures. <i>Computers and Concrete</i> , 2008, 5, 417-434.	0.7	23
30	Nonlocal anisotropic damage model and related computational aspects for quasi-brittle materials. <i>Engineering Fracture Mechanics</i> , 2007, 74, 1539-1560.	2.0	139
31	Implantation numérique d'un modèle d'endommagement anisotrope non local. <i>Revue Européenne De Génie Civil</i> , 2006, 10, 391-404.	0.0	0
32	On numerical implementation of a coupled rate dependent damage-plasticity constitutive model for concrete in application to high-rate dynamics. <i>Engineering Computations</i> , 2005, 22, 583-604.	0.7	24
33	Inelastic behavior modelling of concrete in low and high strain rate dynamics. <i>Computers and Structures</i> , 2003, 81, 1287-1299.	2.4	42
34	Constitutive model of coupled damage-plasticity and its finite element implementation. <i>Revue Européenne Des Elements</i> , 2003, 12, 381-405.	0.1	15
35	Coupled damage and plasticity modelling in transient dynamic analysis of concrete. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2002, 26, 1-24.	1.7	93
36	Compaction and tensile damage in concrete: constitutive modelling and application to dynamics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2000, 183, 291-308.	3.4	75

#	ARTICLE	IF	CITATIONS
37	Effect of transient drying on mechanical properties of concrete specimens. European Journal of Environmental and Civil Engineering, 0, , 1-20.	1.0	1