

Alain Gasser

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

768
citations

840776

11
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

458
citing authors

#	ARTICLE	IF	CITATIONS
1	Analyses of fabric tensile behaviour: determination of the biaxial tensionâ€ strain surfaces and their use in forming simulations. <i>Composites Part A: Applied Science and Manufacturing</i> , 2001, 32, 1395-1414.	7.6	160
2	Mechanical behaviour of dry fabric reinforcements. 3D simulations versus biaxial tests. <i>Computational Materials Science</i> , 2000, 17, 7-20.	3.0	151
3	A mesoscopic approach for the simulation of woven fibre composite forming. <i>Composites Science and Technology</i> , 2005, 65, 429-436.	7.8	145
4	Analysis of the mechanical behavior of woven fibrous material using virtual tests at the unit cell level. <i>Journal of Materials Science</i> , 2005, 40, 5955-5962.	3.7	107
5	Meso/macro-mechanical behaviour of textile reinforcements for thin composites. <i>Composites Science and Technology</i> , 2001, 61, 395-401.	7.8	63
6	Strainâ€ damage coupled algorithm for cancellous bone mechano-regulation with spatial function influence. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2009, 198, 2673-2682.	6.6	22
7	Experiments and nonlinear homogenization sustaining mean-field theories for refractory mortarless masonry: The classical secant procedure and its improved variants. <i>European Journal of Mechanics, A/Solids</i> , 2015, 49, 67-81.	3.7	20
8	Transient Thermo-Mechanical Analysis of Steel Ladle Refractory Linings Using Mechanical Homogenization Approach. <i>Ceramics</i> , 2020, 3, 171-189.	2.6	16
9	Modelling of the swelling induced by oxidation in SiC-based refractory castables. <i>Mechanics of Materials</i> , 2014, 68, 253-266.	3.2	15
10	Mechanical Behavior of Woven Composite Reinforcements While Forming. <i>Journal of Thermoplastic Composite Materials</i> , 2002, 15, 545-555.	4.2	12
11	Computational homogenization of elastic-viscoplastic refractory masonry with dry joints. <i>International Journal of Mechanical Sciences</i> , 2021, 196, 106275.	6.7	12
12	Methodology for brick/mortar interface strength characterization at high temperature. <i>Construction and Building Materials</i> , 2020, 265, 120565.	7.2	10
13	Multi-level modeling of viscoelastic microcracked masonry. <i>International Journal of Solids and Structures</i> , 2016, 81, 63-83.	2.7	9
14	Thermomechanical behaviour analysis and simulation of steel/refractory composite linings. <i>Composites Science and Technology</i> , 2001, 61, 2095-2100.	7.8	8
15	Numerical homogenization model for effective creep properties of microcracked masonry. <i>International Journal of Solids and Structures</i> , 2016, 102-103, 297-320.	2.7	6
16	Thermomechanical modelling of a blast furnace hearth. <i>Construction and Building Materials</i> , 2022, 326, 126833.	7.2	5
17	Assemblage de fibres par tissage : analyse et simulation du comportement mÃ©canique. <i>Mecanique Et Industries</i> , 2005, 6, 65-74.	0.2	3
18	Modeling of Coal Drying before Pyrolysis. <i>Defect and Diffusion Forum</i> , 0, 336, 121-128.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Mechanical behaviour of a Darcet material used in tube extrusion. International Journal of Materials and Product Technology, 2008, 32, 92.	0.2	1
20	Multiphysics Modelling Applied to Refractory Behaviour in Severe Environments. Advances in Science and Technology, 2014, 92, 301-309.	0.2	1
21	Calculs thermomécaniques pour la conception de structures fracturées. Revue Européenne Des Elements, 2002, 11, 511-525.	0.1	0
22	Modélisation thermomécanique de structures fracturées comportant des joints de dilatation. Mécanique Et Industries, 2005, 6, 169-178.	0.2	0