

J-L Hanus

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

195
citations

1478505

6
h-index

1199594

12
g-index

21
all docs

21
docs citations

21
times ranked

250
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical Behaviour of a NTO and RDX-Based Melt Cast Explosive. Propellants, Explosives, Pyrotechnics, 2020, 45, 1281-1292.	1.6	3
2	Normalization of absorbed energy and pressure in laser-induced breakdown in mono-atomic and molecular gases according to incident laser energy and initial pressure. IOP SciNotes, 2020, 1, 025210.	0.8	1
3	Prediction of the spatial location of a laser-induced breakdown in argon. Journal Physics D: Applied Physics, 2019, 52, 505204.	2.8	2
4	Simulating the blast wave from detonation of a charge using a balloon of compressed air. Shock Waves, 2018, 28, 641-652.	1.9	9
5	Low energy shock response of a melt cast simulant material. EPJ Web of Conferences, 2018, 183, 02020.	0.3	2
6	Experimental Study of the Dynamic Flexural Strength of Concrete. Experimental Mechanics, 2017, 57, 427-442.	2.0	15
7	Micro-to-Nano Biomechanical Modeling for Assisted Biological Cell Injection. IEEE Transactions on Biomedical Engineering, 2013, 60, 2461-2471.	4.2	43
8	Processing dynamic split Hopkinson three-point bending test with normalized specimen of quasi-brittle material. Mechanics and Industry, 2012, 13, 381-393.	1.3	6
9	Safety of atmospheric storage tanks during accidental explosions. European Journal of Environmental and Civil Engineering, 2012, 16, 998-1022.	2.1	15
10	Reality-Based Real-Time Cell Indentation Simulator. IEEE/ASME Transactions on Mechatronics, 2012, 17, 239-250.	5.8	20
11	Intra-cytoplasmic sperm injection simulator using biomechanical models. Computer Methods in Biomechanics and Biomedical Engineering, 2011, 14, 155-157.	1.6	2
12	Microrobotic simulator for assisted biological cell injection. , 2011, , .		0
13	An iterative method for the Cauchy problem in linear elasticity with fading regularization effect. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 3336-3344.	6.6	18
14	Realistic visual and haptic feedback simulator for real-time cell indentation. , 2010, , .		2
15	Atomic force microscopy-based single-cell indentation: Experimentation and finite element simulation. , 2009, , .		32
16	H<inf>∞</inf> robustification control of existing piezoelectric-stack actuated nanomanipulators. , 2009, , .		12
17	Experimental study of the behaviour of building structural elements under soft impact. , 2009, , .		2
18	Methodologies of dynamic cell injection techniques using FEM biomechanical modeling. , 2008, , .		5

#	ARTICLE	IF	CITATIONS
19	Interactive cell injection simulation based on 3D biomechanical tensegrity model. , 2008, , .		5
20	MFS fading regularization method for the identification of boundary conditions from partial elastic displacement field data. European Journal of Computational Mechanics, 0, , 1-32.	0.6	1