Hakim Naceur

List of Publications by Year
in descending order

51 papers	**1,128** citations	471509 **17** h-index	395702 **33** g-index
52 all docs	**52** docs citations	**52** times ranked	**759** citing authors

#	Article	IF	Citations
1	Review on the performances, foaming and injection molding simulation of natural fiber composites. Polymer Composites, 2021, 42, 1305-1324.	4.6	28
2	Meshless analysis of bi-directional functionally graded beam structures based on physical neutral surface. Composite Structures, 2021, 259, 113502.	5.8	8
3	Meshless SPH analysis for transient heat conduction in the functionally graded structures. Composites Communications, 2021, 24, 100664.	6.3	7
4	Efficient thermomechanical analysis of functionally graded structures using the symmetric SPH method. Case Studies in Thermal Engineering, 2021, 25, 100889.	5.7	6
5	Effect of the compatilizer and chemical treatments on the performance of poly(lactic acid)/ramie fiber composites. Composites Communications, 2021, 27, 100843.	6.3	20
6	Geometrically nonlinear bending analysis of functionally graded beam with variable thickness by a meshless method. Composite Structures, 2018, 189, 239-246.	5.8	29
7	Meshless modelling of low-velocity impacting damage for composite laminates. Ferroelectrics, 2018, 527, 93-106.	0.6	2
8	Bending analysis of planar structures made of functionally graded material by a meshless method. Ferroelectrics, 2018, 527, 85-92.	0.6	2
9	Topology optimization of plane structures using smoothed particle hydrodynamics method. International Journal for Numerical Methods in Engineering, 2017, 110, 726-744.	2.8	15
10	Analyses of the Instabilities in the Discretized Diffusion Equations via Information Theory. Entropy, 2016, 18, 155.	2.2	0
11	Dynamic behavior and failure of the base and heat affected materials of a HSS fillet welded joint. EPJ Web of Conferences, 2015, 94, 05011.	0.3	0
12	Study of fatigue failure in Al-chip-metallization during power cycling. Engineering Fracture Mechanics, 2015, 138, 127-145.	4.3	9
13	Smoothed finite element method implemented in a resultant eight-node solid-shell element for geometrical linear analysis. Computational Mechanics, 2015, 55, 105-126.	4.0	3
14	Efficient smoothed particle hydrodynamics method for the analysis of planar structures undergoing geometric nonlinearities. Journal of Mechanical Science and Technology, 2015, 29, 2147-2155.	1.5	8
15	Geometrically nonlinear analysis of two-dimensional structures using an improved smoothed particle hydrodynamics method. Engineering Computations, 2015, 32, 779-805.	1.4	28
16	Multiscale finite element modelling of ductile damage behaviour of the human femur under dynamic loading. International Journal of Damage Mechanics, 2015, 24, 418-445.	4.2	1
17	Damage Prediction in Metal Forming Process Modeling and Optimization: Simplified Approaches. , 2015, , 765-813.		1
18	Fracture mechanics in new designed power module under thermo-mechanical loads. MATEC Web of Conferences, 2014, 12, 04015.	0.2	0

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19	Evaluation of Damage and Fracture Mechanisms of Different Characteristic Honeycomb Structures Under Thermomechanical Loading. Mechanics of Composite Materials, 2014, 50, 647-660.	1.4	0
20	Investigation of a six-year-old Hybrid III dummy neck stiffness and the consequences regarding out-of-position Neck Injury Criteria. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 42-43.	1.6	0
21	Numerical modeling of nonlinearity, plasticity and damage in CFRP-woven composites for crash simulations. Composite Structures, 2014, 115, 75-88.	5.8	24
22	A comprehensive blank development method for forming sheet metal parts. International Journal of Advanced Manufacturing Technology, 2014, 71, 843-855.	3.0	3
23	Efficient meshless SPH method for the numerical modeling of thick shell structures undergoing large deformations. International Journal of Non-Linear Mechanics, 2014, 65, 1-13.	2.6	35
24	On the implementation of a nonlinear shell-based SPH method for thin multilayered structures. Composite Structures, 2014, 108, 905-914.	5.8	20
25	Geometrically nonlinear analysis of thin-walled structures using efficient Shell-based SPH method. Computational Materials Science, 2014, 85, 127-133.	3.0	15
26	Characterization and micromechanical modeling of the human cranial bone elastic properties. Mechanics Research Communications, 2014, 60, 7-14.	1.8	48
27	Analysis of thin composite structures using an efficient hex-shell finite element. Journal of Mechanical Science and Technology, 2013, 27, 3755-3763.	1.5	5
28	Development of a new nonlinear numerical material model for woven composite materials accounting for permanent deformation and damage. Composite Structures, 2013, 106, 601-614.	5.8	32
29	Assessment of ship manoeuvrability by using a coupling between a nonlinear transient manoeuvring model and mathematical programming techniques. Journal of Hydrodynamics, 2013, 25, 788-804.	3.2	14
30	On the modeling and design of composite multilayered structures using solid-shell finite element model. Finite Elements in Analysis and Design, 2013, 70-71, 1-14.	3.2	13
31	Post-buckling analysis of thin-walled structures using the SPH method. , 2013, , .		1
32	Damage Prediction in Metal Forming Process Modeling and Optimization: Simplified Approaches. , 2013, , 1-43.		1
33	Analysis and design of hydroformed thin-walled tubes using enhanced one-step method. International Journal of Advanced Manufacturing Technology, 2012, 59, 507-520.	3.0	7
34	Meshless method for shallow water equations with free surface flow. Applied Mathematics and Computation, 2011, 217, 5113-5124.	2.2	15
35	A fast algorithm for strain prediction in tube hydroforming based on one-step inverse approach. Journal of Materials Processing Technology, 2011, 211, 1898-1906.	6.3	9
36	Response surface methodology for the rapid design of aluminum sheet metal forming parameters. Materials & Design, 2008, 29, 781-790.	5.1	77

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37	An Heuristic Optimization Algorithm for the blank shape design of high precision metallic parts obtained by a particular stamping process. Finite Elements in Analysis and Design, 2008, 44, 842-850.	3.2	28
38	Approche inverse améliorée pour la minimisation du retour élastique de pièces embouties. European Journal of Computational Mechanics, 2008, 17, 349-372.	0.6	3
39	Modelling of transport and collisions between rigid bodies to simulate the jam formation in urban flows. International Journal of Multiphysics, 2008, 2, 247-266.	0.1	2
40	Sheet Metal Stamping Analysis and Process Design based on the Inverse Approach. AIP Conference Proceedings, 2007, , .	0.4	1
41	Design of experiments and optimization of composite structures using solid-shell elements. WIT Transactions on the Built Environment, 2007, , .	0.0	0
42	Response surface methodology for design of sheet forming parameters to control springback effects. Computers and Structures, 2006, 84, 1651-1663.	4.4	69
43	Optimisation topologique de surfaces additionnelles de tôles embouties. European Journal of Computational Mechanics, 2006, 15, 909-943.	0.6	1
44	Moving least squares response surface approximation: Formulation and metal forming applications. Computers and Structures, 2005, 83, 1411-1428.	4.4	180
45	Simulation de l'emboutissage par approche inverse améliorée pour l'estimation du retour élastique. Revue Europeenne Des Elements, 2005, 14, 957-984.	0.1	1
46	Approche pseudo inverse pour estimation des contraintes dans les pièces embouties axisymétriques. Revue Europeenne Des Elements, 2003, 12, 863-886.	0.1	7
47	Initial solution estimation to speed up inverse approach in stamping modeling. Engineering Computations, 2003, 20, 810-834.	1.4	26
48	An efficient DKT rotation free shell element for springback simulation in sheet metal forming. Computers and Structures, 2002, 80, 2299-2312.	4.4	46
49	Optimization of drawbead restraining forces and drawbead design in sheet metal forming process. International Journal of Mechanical Sciences, 2001, 43, 2407-2434.	6.7	99
50	Recent developments on the analysis and optimum design of sheet metal forming parts using a simplified inverse approach. Computers and Structures, 2000, 78, 133-148.	4.4	175
51	Optimisation des forces de retenue pour le contrôle de la qualité des tôles minces embouties. Revue Europeenne Des Elements, 2000, 9, 151-172.	0.1	3