Hakim Naceur

List of Publications by Year
in descending order

51	1,128	471509 17	395702 33
papers	citations	h-index	g-index

52	52	52	759
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Moving least squares response surface approximation: Formulation and metal forming applications. Computers and Structures, 2005, 83, 1411-1428.	4.4	180
2	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
3	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
4	Response surface methodology for the rapid design of aluminum sheet metal forming parameters. Materials & Design, 2008, 29, 781-790.	5.1	77
5	Response surface methodology for design of sheet forming parameters to control springback effects. Computers and Structures, 2006, 84, 1651-1663.	4.4	69
6	Characterization and micromechanical modeling of the human cranial bone elastic properties. Mechanics Research Communications, 2014, 60, 7-14.	1.8	48
7	An efficient DKT rotation free shell element for springback simulation in sheet metal forming. Computers and Structures, 2002, 80, 2299-2312.	4.4	46
8	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
9	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
10	Geometrically nonlinear bending analysis of functionally graded beam with variable thickness by a meshless method. Composite Structures, 2018, 189, 239-246.	5.8	29
11	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
12	Geometrically nonlinear analysis of two-dimensional structures using an improved smoothed particle hydrodynamics method. Engineering Computations, 2015, 32, 779-805.	1.4	28
13	Review on the performances, foaming and injection molding simulation of natural fiber composites. Polymer Composites, 2021, 42, 1305-1324.	4.6	28
14	Initial solution estimation to speed up inverse approach in stamping modeling. Engineering Computations, 2003, 20, 810-834.	1.4	26
15	Numerical modeling of nonlinearity, plasticity and damage in CFRP-woven composites for crash simulations. Composite Structures, 2014, 115, 75-88.	5.8	24
16	On the implementation of a nonlinear shell-based SPH method for thin multilayered structures. Composite Structures, 2014, 108, 905-914.	5.8	20
17	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
18	Meshless method for shallow water equations with free surface flow. Applied Mathematics and Computation, 2011, 217, 5113-5124.	2.2	15

#	Article	IF	Citations
19	Geometrically nonlinear analysis of thin-walled structures using efficient Shell-based SPH method. Computational Materials Science, 2014, 85, 127-133.	3.0	15
20	Topology optimization of plane structures using smoothed particle hydrodynamics method. International Journal for Numerical Methods in Engineering, 2017, 110, 726-744.	2.8	15
21	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
22	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
23	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
24	Study of fatigue failure in Al-chip-metallization during power cycling. Engineering Fracture Mechanics, 2015, 138, 127-145.	4.3	9
25	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
26	Meshless analysis of bi-directional functionally graded beam structures based on physical neutral surface. Composite Structures, 2021, 259, 113502.	5.8	8
27	Approche pseudo inverse pour estimation des contraintes dans les piÃ¨ces embouties axisymÃ©triques. Revue Europeenne Des Elements, 2003, 12, 863-886.	0.1	7
28	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
29	Meshless SPH analysis for transient heat conduction in the functionally graded structures. Composites Communications, 2021, 24, 100664.	6.3	7
30	Efficient thermomechanical analysis of functionally graded structures using the symmetric SPH method. Case Studies in Thermal Engineering, 2021, 25, 100889.	5.7	6
31	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
32	Optimisation des forces de retenue pour le contrÃ1e de la qualitÃ© des tÃ1es minces embouties. Revue Europeenne Des Elements, 2000, 9, 151-172.	0.1	3
33	Approche inverse amÃ©liorÃ©e pour la minimisation du retour Ã©lastique de piÃ¨ces embouties. European Journal of Computational Mechanics, 2008, 17, 349-372.	0.6	3
34	A comprehensive blank development method for forming sheet metal parts. International Journal of Advanced Manufacturing Technology, 2014, 71, 843-855.	3.0	3
35	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
36	Meshless modelling of low-velocity impacting damage for composite laminates. Ferroelectrics, 2018, 527, 93-106.	0.6	2

#	Article	IF	Citations
37	Bending analysis of planar structures made of functionally graded material by a meshless method. Ferroelectrics, 2018, 527, 85-92.	0.6	2
38	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
39	Simulation de l'emboutissage par approche inverse amÃ©liorÃ©e pour l'estimation du retour Ã©lastique. Revue Europeenne Des Elements, 2005, 14, 957-984.	0.1	1
40	Optimisation topologique de surfaces additionnelles de tÃ1es embouties. European Journal of Computational Mechanics, 2006, 15, 909-943.	0.6	1
41	Sheet Metal Stamping Analysis and Process Design based on the Inverse Approach. AIP Conference Proceedings, 2007, , .	0.4	1
42	Post-buckling analysis of thin-walled structures using the SPH method. , 2013, , .		1
43	Damage Prediction in Metal Forming Process Modeling and Optimization: Simplified Approaches. , 2013, , 1-43.		1
44	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
45	Damage Prediction in Metal Forming Process Modeling and Optimization: Simplified Approaches. , 2015, , 765-813.		1
46	Fracture mechanics in new designed power module under thermo-mechanical loads. MATEC Web of Conferences, 2014, 12, 04015.	0.2	0
47	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
48	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
49	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
50	Analyses of the Instabilities in the Discretized Diffusion Equations via Information Theory. Entropy, 2016, 18, 155.	2.2	0
51	Design of experiments and optimization of composite structures using solid-shell elements. WIT Transactions on the Built Environment, 2007, , .	0.0	0