Mondher Wali

List of Publications by Year
in descending order

69 papers	1,423 citations	201674 27 h-index	361022 35 g-index
77 all docs	77 docs citations	77 times ranked	600 citing authors

#	Article	IF	Citations
1	Finite Rotation RPIM Formulation for Geometrically Nonlinear Analysis of FG-CNTRC Shell Structure. Lecture Notes in Mechanical Engineering, 2022, , 201-208.	0.4	1
2	Finite Element Analysis of Nonlinear Behavior of FG Cantilever. Lecture Notes in Mechanical Engineering, 2022, , 76-83.	0.4	0
3	Experimental and Numerical Investigation of Hole-Flanging Process with Rubber Punch. Lecture Notes in Mechanical Engineering, 2022, , 262-268.	0.4	0
4	Determination of Hyper-viscoelastic Parameters of Elastomeric Materials. Lecture Notes in Mechanical Engineering, 2022, , 84-89.	0.4	1
5	Influence of Diameter of FGM Implant on Stress Distribution. Lecture Notes in Mechanical Engineering, 2022, , 49-55.	0.4	0
6	Identification of fully coupled non-associated-Ductile damage constitutive equations for thin sheet metal applications: Numerical feasibility and experimental validation. Thin-Walled Structures, 2022, 176, 109365.	5.3	20
7	Three-dimensional coupling between orthodontic bone remodeling and superelastic behavior of aÂNiTi wire applied for initial alignment. Journal of Orofacial Orthopedics, 2021, 82, 99-110.	1.3	2
8	Nonlinear dynamic analysis of piezoelectric-bonded FG-CNTR composite structures using an improved FSDT theory. Engineering With Computers, 2021, 37, 1389-1407.	6.1	43
9	Design optimization of implant geometrical characteristics enhancing primary stability using FEA of stress distribution around dental prosthesis. Computer Methods in Biomechanics and Biomedical Engineering, 2021, 24, 1035-1051.	1.6	22
10	SPIF Manufacture of a Dome Part Made of AA1060-H14 Aluminum Alloy Using CNC Lathe Machine: Numerical and Experimental Investigations. Arabian Journal for Science and Engineering, 2021, 46, 12207-12220.	3.0	9
11	Experimental and numerical methodology to characterize 5083-aluminium behavior considering non-associated plasticity model coupled with isotropic ductile damage. International Journal of Solids and Structures, 2021, 229, 111139.	2.7	23
12	Influence of Material Gradient Index on Stress Distribution of Functionally Graded Dental Implants. Lecture Notes in Mechanical Engineering, 2021, , 11-17.	0.4	0
13	2-Axis Tool Strategy Applied on NC Lathe Machine to Manufacture Revolved Parts by Means of SPIF Process. Lecture Notes in Mechanical Engineering, 2021, , 105-111.	0.4	1
14	Parameter Identification of a Viscohyperelastic Constitutive Model for Fiber Reinforced Thermoplastic Composites. Lecture Notes in Mechanical Engineering, 2021, , 18-24.	0.4	0
15	Geometrically nonlinear analysis of FGM shells using solid-shell element with parabolic shear strain distribution. International Journal of Mechanics and Materials in Design, 2020, 16, 351-366.	3.0	18
16	Dynamic analysis of functionally graded carbon nanotube–reinforced shell structures with piezoelectric layers under dynamic loads. JVC/Journal of Vibration and Control, 2020, 26, 1157-1172.	2.6	30
17	Efficiency of rubber-pad cushion in bending process of a thin aluminum sheet. Journal of Rubber Research (Kuala Lumpur, Malaysia), 2020, 23, 89-99.	1.1	8
18	Experimental investigation on the mechanical behavior of recycled rubber reinforced polymer composites filled with aluminum powder. Construction and Building Materials, 2020, 259, 119845.	7.2	10

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19	Free vibration analysis of FG-CNTRC shell structures using the meshfree radial point interpolation method. Computers and Mathematics With Applications, 2020, 79, 3160-3178.	2.7	61
20	A Modified FSDT Model for Static Analysis of Smart Functionally Graded Shells. Lecture Notes in Mechanical Engineering, 2020, , 681-689.	0.4	0
21	Material and Geometric Nonlinear Analysis of Ceramic/Metal Functionally Graded Cylindrical Shell. Lecture Notes in Mechanical Engineering, 2020, , 426-434.	0.4	0
22	Numerical Investigation of Reverse Redrawing Process Using a Non Associated Flow Rule. Lecture Notes in Mechanical Engineering, 2020, , 460-467.	0.4	0
23	Finite Element Modelling of the Functionally Graded Shells Mechanical Behavior. Lecture Notes in Mechanical Engineering, 2020, , 833-841.	0.4	0
24	Homogenization of elasto-plastic functionally graded material based on representative volume element: Application to incremental forming process. International Journal of Mechanical Sciences, 2019, 160, 412-420.	6.7	34
25	Experimental and numerical investigation of flexible bulging process of aluminum AA1050-H14 sheet metal with soft tools. International Journal of Advanced Manufacturing Technology, 2019, 103, 4837-4846.	3.0	10
26	Finite Element Simulation of Single Point Incremental Forming Process of Aluminum Sheet Based on Non-associated Flow Rule. Lecture Notes in Mechanical Engineering, 2019, , 62-68.	0.4	0
27	Meshfree Analysis of 3-D Double Directors Shell Theory. Lecture Notes in Mechanical Engineering, 2019, , 120-127.	0.4	1
28	Piezoelastic Behavior of Adaptive Composite Plate with Integrated Sensors and Actuators. Lecture Notes in Mechanical Engineering, 2019, , 77-84.	0.4	0
29	Non associated-anisotropic plasticity model fully coupled with isotropic ductile damage for sheet metal forming applications. International Journal of Solids and Structures, 2019, 166, 96-111.	2.7	22
30	Static analysis of carbon nanotube-reinforced FG shells using an efficient solid-shell element with parabolic transverse shear strain. Engineering Computations, 2019, 37, 823-849.	1.4	16
31	Geometrically nonlinear analysis of elastoplastic behavior of functionally graded shells. Engineering With Computers, 2019, 35, 833-847.	6.1	44
32	Piezoelastic response of smart functionally graded structure with integrated piezoelectric layers using discrete double directors shell element. Composite Structures, 2019, 210, 354-366.	5.8	41
33	Geometrically non-linear analysis of FG-CNTRC shell structures with surface-bonded piezoelectric layers. Computer Methods in Applied Mechanics and Engineering, 2019, 347, 679-699.	6.6	44
34	Geometrically nonlinear finite element simulation of smart laminated shells using a modified first-order shear deformation theory. Journal of Intelligent Material Systems and Structures, 2019, 30, 517-535.	2.5	24
35	Coupled anisotropic plasticity-ductile damage: Modeling, experimental verification, and application to sheet metal forming simulation. International Journal of Mechanical Sciences, 2019, 150, 548-560.	6.7	28
36	Meshfree implementation of the double director shell model for FGM shell structures analysis. Engineering Analysis With Boundary Elements, 2019, 99, 111-121.	3.7	33

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37	Meshless implementation of arbitrary 3D-shell structures based on a modified first order shear deformation theory. Computers and Mathematics With Applications, 2019, 77, 34-49.	2.7	29
38	A non-associated anisotropic plasticity model with mixed isotropicâ€"kinematic hardening for finite element simulation of incremental sheet metal forming process. International Journal of Advanced Manufacturing Technology, 2019, 100, 929-940.	3.0	38
39	Numerical and experimental investigations of low velocity impact on glass fiber-reinforced polyamide. Composites Part B: Engineering, 2018, 146, 116-123.	12.0	45
40	Numerical Implementation of Coupled Anisotropic Plasticity-Ductile Damage in Sheet Metal Forming Process. Journal of Mechanics, 2018, 34, 417-430.	1.4	16
41	A New Cumulative Fatigue Damage Model for Short Glass Fiber-Reinforced Polyamide 66. Lecture Notes in Mechanical Engineering, 2018, , 227-234.	0.4	1
42	Elasto-Plastic Modeling of Low-Velocity Impact on Functionally Graded Circular Plates. International Journal of Applied Mechanics, 2018, 10, 1850038.	2.2	21
43	Finite element formulation for active functionally graded thin-walled structures. Comptes Rendus - Mecanique, 2018, 346, 1159-1178.	2.1	29
44	On the Use of NC Milling and Turning Machines in SPIF Process of Asymmetric Parts: Numerical Investigation. Lecture Notes in Mechanical Engineering, 2018, , 269-279.	0.4	1
45	Influence of elastic wave on crack nucleation â€" Experimental and computational investigation of brittle fracture. Applied Acoustics, 2017, 128, 45-54.	3.3	6
46	Numerical study of anisotropic behavior of Aluminum alloy subjected to dynamic perforation. International Journal of Impact Engineering, 2017, 101, 105-114.	5.0	41
47	Numerical investigation of the forming capability of bulge process by using rubber as a forming medium. International Journal of Advanced Manufacturing Technology, 2017, 92, 1839-1848.	3.0	36
48	Anisotropic effects in the compression beading of aluminum thin-walled tubes with rubber. Thin-Walled Structures, 2017, 119, 902-910.	5.3	24
49	Numerical prediction of the ductile damage in single point incremental forming process. International Journal of Mechanical Sciences, 2017, 131-132, 546-558.	6.7	42
50	Dynamic Analysis of the Perforation of Aluminum Alloy at Low Velocity Impact. Applied Condition Monitoring, 2017, , 281-290.	0.4	0
51	Numerical Analysis of Geometrically Non-Linear Behavior of Functionally Graded Shells. Latin American Journal of Solids and Structures, 2017, 14, 1952-1978.	1.0	34
52	Nonlinear Dynamics Analysis of FGM Shell Structures with a Higher Order Shear Strain Enhanced Solid-Shell Element. Latin American Journal of Solids and Structures, 2017, 14, 72-91.	1.0	40
53	Fatigue Behavior of Short Glass Fiber Reinforced Polyamide 66: Experimental Study and Fatigue Damage Modelling. Periodica Polytechnica, Mechanical Engineering, 2016, 60, 247-255.	1.4	14
54	A simple integration algorithm for a nonâ€associated anisotropic plasticity model for sheet metal forming. International Journal for Numerical Methods in Engineering, 2016, 107, 183-204.	2.8	35

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55	Dynamic response of functionally graded material shells with a discrete double directors shell element. Composite Structures, 2016, 154, 385-395.	5.8	43
56	Numerical prediction of springback and ductile damage in rubber-pad forming process of aluminum sheet metal. International Journal of Mechanical Sciences, 2016, 117, 218-226.	6.7	56
57	A new higher order C mixed beam element for FGM beams analysis. Composites Part B: Engineering, 2016, 106, 181-189.	12.0	50
58	An anisotropic hyperelastic constitutive model for short glass fiber-reinforced polyamide. International Journal of Engineering Science, 2016, 106, 262-272.	5.0	31
59	Effects of the tool path strategies on incremental sheet metal forming process. Mechanics and Industry, 2016, 17, 411.	1.3	36
60	An improved enhanced solid shell element for static and buckling analysis of shell structures. Mechanics and Industry, 2016, 17, 510.	1.3	16
61	The Extended Finite Element Method for Cracked Incompressible Hyperelastic Structures Analysis. Applied Condition Monitoring, 2015, , 531-540.	0.4	0
62	A Higher Order Shear Strain Enhanced Solid-Shell Element for Laminated Composites Structures Analysis. Applied Condition Monitoring, 2015, , 497-506.	0.4	0
63	Free vibration analysis of FGM shell structures with a discrete double directors shell element. Composite Structures, 2015, 125, 295-303.	5.8	43
64	One-equation integration algorithm of a generalized quadratic yield function with Chaboche non-linear isotropic/kinematic hardening. International Journal of Mechanical Sciences, 2015, 92, 223-232.	6.7	37
65	Finite element implementation of an orthotropic plasticity model for sheet metal in low velocity impact simulations. Thin-Walled Structures, 2015, 89, 93-100.	5.3	44
66	Low Velocity Impact Behavior of Glass Fibre-Reinforced Polyamide. Applied Condition Monitoring, 2015, , 469-479.	0.4	1
67	Optimum shape design of incompressible hyperelastic structures with analytical sensitivity analysis. Journal of Mechanical Science and Technology, 2014, 28, 3121-3128.	1.5	3
68	Discrete double directors shell element for the functionally graded material shell structures analysis. Computer Methods in Applied Mechanics and Engineering, 2014, 278, 388-403.	6.6	47
69	Dynamic analysis of an elasto€plastic sandwich subjected to low velocity impact. Multidiscipline Modeling in Materials and Structures, 2011, 7, 184-206.	1.3	8