

Houari Mohammed Sid Ahmed

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Nonlocal strain gradient finite element analysis of nanobeams using two-variable trigonometric shear deformation theory. <i>Engineering With Computers</i> , 2022, 38, 647-665.	3.5	8
2	Size dependent free vibration and buckling of multilayered carbon nanotubes reinforced composite nanoplates in thermal environment. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 1371-1399.	3.4	33
3	On the layerwise finite element formulation for static and free vibration analysis of functionally graded sandwich plates. <i>Engineering With Computers</i> , 2022, 38, 3871-3899.	3.5	62
4	Analysis of axially temperature-dependent functionally graded carbon nanotube reinforced composite plates. <i>Engineering With Computers</i> , 2022, 38, 2533-2554.	3.5	39
5	Bending analysis of functionally graded porous nanocomposite beams based on a non-local strain gradient theory. <i>Mathematics and Mechanics of Solids</i> , 2022, 27, 66-92.	1.5	16
6	On the finite element analysis of functionally graded sandwich curved beams via a new refined higher order shear deformation theory. <i>Composite Structures</i> , 2022, 279, 114715.	3.1	42
7	Nonlocal vibration of functionally graded nanoplates using a layerwise theory. <i>Mathematics and Mechanics of Solids</i> , 2022, 27, 2634-2661.	1.5	16
8	On vibration of functionally graded sandwich nanoplates in the thermal environment. <i>Journal of Sandwich Structures and Materials</i> , 2021, 23, 2217-2244.	2.0	40
9	A novel nonlocal strain gradient Quasi-3D bending analysis of sigmoid functionally graded sandwich nanoplates. <i>Composite Structures</i> , 2021, 262, 113347.	3.1	48
10	An efficient eight-node quadrilateral element for free vibration analysis of multilayer sandwich plates. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 2360-2387.	1.5	29
11	Finite element bending analysis of symmetric and non-symmetric functionally graded sandwich beams using a novel parabolic shear deformation theory. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021, 235, 2482-2504.	0.7	19
12	Buckling Analysis of CNTRC Curved Sandwich Nanobeams in Thermal Environment. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3250.	1.3	19
13	Nonlocal finite element model for the bending and buckling analysis of functionally graded nanobeams using a novel shear deformation theory. <i>Composite Structures</i> , 2021, 264, 113712.	3.1	56
14	Buckling analysis of porous FGM sandwich nanoplates due to heat conduction via nonlocal strain gradient theory. <i>Engineering Research Express</i> , 2019, 1, 015022.	0.8	26
15	A Novel Refined Plate Theory for Free Vibration Analyses of Single-Layered Graphene Sheets Lying on Winkler-Pasternak Elastic Foundations. <i>Journal of Nano Research</i> , 2019, 58, 151-164.	0.8	6
16	A novel quasi-3D trigonometric plate theory for free vibration analysis of advanced composite plates. <i>Composite Structures</i> , 2018, 184, 688-697.	3.1	84
17	A novel quasi-3D hyperbolic shear deformation theory for functionally graded thick rectangular plates on elastic foundation. <i>Geomechanics and Engineering</i> , 2017, 12, 9-34.	0.9	38
18	A nonlocal quasi-3D theory for bending and free flexural vibration behaviors of functionally graded nanobeams. <i>Smart Structures and Systems</i> , 2017, 19, 115-126.	1.9	94

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19	A novel five-variable refined plate theory for vibration analysis of functionally graded sandwich plates. <i>Mechanics of Advanced Materials and Structures</i> , 2016, 23, 423-431.	1.5	244
20	Bending and free vibration analysis of functionally graded plates using a simple shear deformation theory and the concept the neutral surface position. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016, 38, 265-275.	0.8	152
21	Size-dependent mechanical behavior of functionally graded trigonometric shear deformable nanobeams including neutral surface position concept. <i>Steel and Composite Structures</i> , 2016, 20, 963-981.	1.3	109
22	A new simple three-unknown sinusoidal shear deformation theory for functionally graded plates. <i>Steel and Composite Structures</i> , 2016, 22, 257-276.	1.3	92
23	Thermo-mechanical postbuckling of symmetric S-FGM plates resting on Pasternak elastic foundations using hyperbolic shear deformation theory. <i>Structural Engineering and Mechanics</i> , 2016, 57, 617-639.	1.0	19
24	Thermal stability of functionally graded sandwich plates using a simple shear deformation theory. <i>Structural Engineering and Mechanics</i> , 2016, 58, 397-422.	1.0	116
25	A new 3-unknowns non-polynomial plate theory for buckling and vibration of functionally graded sandwich plate. <i>Structural Engineering and Mechanics</i> , 2016, 60, 547-565.	1.0	56
26	Comment on "A four-variable refined plate theory for dynamic stability analysis of S-FGM plates based on physical neutral surface" Composite Structures, 2015, 131, 842.	3.1	1
27	A simple shear deformation theory based on neutral surface position for functionally graded plates resting on Pasternak elastic foundations. <i>Structural Engineering and Mechanics</i> , 2015, 53, 1215-1240.	1.0	27
28	Thermal Buckling Response of Functionally Graded Plates with Clamped Boundary Conditions. <i>Journal of Thermal Stresses</i> , 2015, 38, 630-650.	1.1	13
29	On the bending and stability of nanowire using various HSDTs. <i>Advances in Nano Research</i> , 2015, 3, 177-191.	0.9	9
30	A sinusoidal plate theory with 5-unknowns and stretching effect for thermomechanical bending of functionally graded sandwich plates. <i>Steel and Composite Structures</i> , 2015, 18, 235-253.	1.3	177
31	A new simple shear and normal deformations theory for functionally graded beams. <i>Steel and Composite Structures</i> , 2015, 18, 409-423.	1.3	279
32	Bending and buckling analyses of functionally graded material (FGM) size-dependent nanoscale beams including the thickness stretching effect. <i>Steel and Composite Structures</i> , 2015, 18, 425-442.	1.3	164
33	Thermal buckling analysis of FG plates resting on elastic foundation based on an efficient and simple trigonometric shear deformation theory. <i>Steel and Composite Structures</i> , 2015, 18, 443-465.	1.3	22
34	A new higher order shear and normal deformation theory for functionally graded beams. <i>Steel and Composite Structures</i> , 2015, 18, 793-809.	1.3	25
35	On vibration properties of functionally graded nano-plate using a new nonlocal refined four variable model. <i>Steel and Composite Structures</i> , 2015, 18, 1063-1081.	1.3	178
36	Thermal stresses and deflections of functionally graded sandwich plates using a new refined hyperbolic shear deformation theory. <i>Steel and Composite Structures</i> , 2015, 18, 1493-1515.	1.3	38

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37	Wave propagation in functionally graded plates with porosities using various higher-order shear deformation plate theories. <i>Structural Engineering and Mechanics</i> , 2015, 53, 1143-1165.	1.0	317
38	A mechanical response of functionally graded nanoscale beam: an assessment of a refined nonlocal shear deformation theory beam theory. <i>Structural Engineering and Mechanics</i> , 2015, 54, 693-710.	1.0	148
39	A nonlocal quasi-3D trigonometric plate model for free vibration behaviour of micro/nanoscale plates. <i>Structural Engineering and Mechanics</i> , 2015, 56, 223-240.	1.0	32
40	Buckling of Functionally Graded Nanobeams Based on the Nonlocal New First-Order Shear Deformation Beam Theory. <i>MATEC Web of Conferences</i> , 2014, 11, 01024.	0.1	3
41	A NOVEL HIGHER ORDER SHEAR AND NORMAL DEFORMATION THEORY BASED ON NEUTRAL SURFACE POSITION FOR BENDING ANALYSIS OF ADVANCED COMPOSITE PLATES. <i>International Journal of Computational Methods</i> , 2014, 11, 1350082.	0.8	180
42	A REFINED AND SIMPLE SHEAR DEFORMATION THEORY FOR THERMAL BUCKLING OF SOLAR FUNCTIONALLY GRADED PLATES ON ELASTIC FOUNDATION. <i>International Journal of Computational Methods</i> , 2014, 11, 1350077.	0.8	53
43	NONLINEAR BENDING ANALYSIS OF FUNCTIONALLY GRADED PLATES UNDER PRESSURE LOADS USING A FOUR VARIABLE REFINED PLATE THEORY. <i>International Journal of Computational Methods</i> , 2014, 11, 1350062.	0.8	8
44	A new five-unknown refined theory based on neutral surface position for bending analysis of exponential graded plates. <i>Meccanica</i> , 2014, 49, 795-810.	1.2	71
45	An efficient and simple higher order shear and normal deformation theory for functionally graded material (FGM) plates. <i>Composites Part B: Engineering</i> , 2014, 60, 274-283.	5.9	372
46	Bending analysis of FGM plates under hygro-thermo-mechanical loading using a four variable refined plate theory. <i>Aerospace Science and Technology</i> , 2014, 34, 24-34.	2.5	319
47	New Quasi-3D Hyperbolic Shear Deformation Theory for the Static and Free Vibration Analysis of Functionally Graded Plates. <i>Journal of Engineering Mechanics - ASCE</i> , 2014, 140, 374-383.	1.6	318
48	A n-order four variable refined theory for bending and free vibration of functionally graded plates. <i>Steel and Composite Structures</i> , 2014, 17, 21-46.	1.3	25
49	A novel first-order shear deformation theory for laminated composite plates. <i>Steel and Composite Structures</i> , 2014, 17, 321-338.	1.3	21
50	Buckling of Generic Higher-Order Shear Beam/Columns with Elastic Connections: Local and Nonlocal Formulation. <i>Journal of Engineering Mechanics - ASCE</i> , 2013, 139, 1091-1109.	1.6	12
51	An efficient and simple refined theory for nonlinear bending analysis of functionally graded sandwich plates. <i>Journal of Applied Mechanics and Technical Physics</i> , 2013, 54, 847-856.	0.1	4
52	Thermoelastic bending analysis of functionally graded sandwich plates using a new higher order shear and normal deformation theory. <i>International Journal of Mechanical Sciences</i> , 2013, 76, 102-111.	3.6	124
53	A refined trigonometric shear deformation theory for thermoelastic bending of functionally graded sandwich plates. <i>Aerospace Science and Technology</i> , 2013, 24, 209-220.	2.5	379
54	A new higher-order shear and normal deformation theory for the static and free vibration analysis of sandwich plates with functionally graded isotropic face sheets. <i>Journal of Sandwich Structures and Materials</i> , 2013, 15, 671-703.	2.0	145

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55	Thermal buckling of functionally graded sandwich plates using a new hyperbolic shear displacement model. <i>Steel and Composite Structures</i> , 2013, 15, 399-423.	1.3	47
56	An Efficient Shear Deformation Beam Theory Based on Neutral Surface Position for Bending and Free Vibration of Functionally Graded Beams. <i>Mechanics Based Design of Structures and Machines</i> , 2013, 41, 421-433.	3.4	159
57	A NEW NONLOCAL BEAM THEORY WITH THICKNESS STRETCHING EFFECT FOR NANOBEMS. <i>International Journal of Nanoscience</i> , 2013, 12, 1350025.	0.4	15
58	Thermomechanical bending response of FGM thick plates resting on Winkler-Pasternak elastic foundations. <i>Steel and Composite Structures</i> , 2013, 14, 85-104.	1.3	254
59	Large deformation analysis for functionally graded carbon nanotube-reinforced composite plates using an efficient and simple refined theory. <i>Steel and Composite Structures</i> , 2013, 14, 335-347.	1.3	15
60	Thermo-mechanical bending response with stretching effect of functionally graded sandwich plates using a novel shear deformation theory. <i>Steel and Composite Structures</i> , 2013, 15, 221-245.	1.3	49
61	A new first shear deformation beam theory based on neutral surface position for functionally graded beams. <i>Steel and Composite Structures</i> , 2013, 15, 467-479.	1.3	32
62	Thermal Buckling of Functionally Graded Plates According to a Four-Variable Refined Plate Theory. <i>Journal of Thermal Stresses</i> , 2012, 35, 677-694.	1.1	71
63	A new four-variable refined plate theory for thermal buckling analysis of functionally graded sandwich plates. <i>Journal of Sandwich Structures and Materials</i> , 2012, 14, 5-33.	2.0	139
64	Two-Variable Refined Plate Theory for Thermoelastic Bending Analysis of Functionally Graded Sandwich Plates. <i>Journal of Thermal Stresses</i> , 2011, 34, 315-334.	1.1	78
65	Sound wave propagation in armchair single walled carbon nanotubes under thermal environment. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	17
66	Two new refined shear displacement models for functionally graded sandwich plates. <i>Archive of Applied Mechanics</i> , 2011, 81, 1507-1522.	1.2	60
67	Thermal effect on wave propagation in double-walled carbon nanotubes embedded in a polymer matrix using nonlocal elasticity. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1379-1386.	1.3	27
68	Buckling Analysis of Orthotropic Nanoscale Plates Resting on Elastic Foundations. <i>Journal of Nano Research</i> , 0, 55, 42-56.	0.8	28
69	A New Hyperbolic Two-Unknown Beam Model for Bending and Buckling Analysis of a Nonlocal Strain Gradient Nanobeams. <i>Journal of Nano Research</i> , 0, 57, 175-191.	0.8	25