Houari Mohammed Sid Ahmed

List of Publications by Year
in descending order

69 papers	**6,032** citations	101496 **36** h-index	91828 **69** g-index
86 all docs	**86** docs citations	**86** times ranked	**1233** citing authors

#	Article	IF	Citations
1	A refined trigonometric shear deformation theory for thermoelastic bending of functionally graded sandwich plates. Aerospace Science and Technology, 2013, 24, 209-220.	2.5	379
2	An efficient and simple higher order shear and normal deformation theory for functionally graded material (FGM) plates. Composites Part B: Engineering, 2014, 60, 274-283.	5.9	372
3	Bending analysis of FGM plates under hygro-thermo-mechanical loading using a four variable refined plate theory. Aerospace Science and Technology, 2014, 34, 24-34.	2.5	319
4	New Quasi-3D Hyperbolic Shear Deformation Theory for the Static and Free Vibration Analysis of Functionally Graded Plates. Journal of Engineering Mechanics - ASCE, 2014, 140, 374-383.	1.6	318
5	Wave propagation in functionally graded plates with porosities using various higher-order shear deformation plate theories. Structural Engineering and Mechanics, 2015, 53, 1143-1165.	1.0	317
6	A new simple shear and normal deformations theory for functionally graded beams. Steel and Composite Structures, 2015, 18, 409-423.	1.3	279
7	Thermomechanical bending response of FGM thick plates resting on Winkler-Pasternak elastic foundations. Steel and Composite Structures, 2013, 14, 85-104.	1.3	254
8	A novel five-variable refined plate theory for vibration analysis of functionally graded sandwich plates. Mechanics of Advanced Materials and Structures, 2016, 23, 423-431.	1.5	244
9	A NOVEL HIGHER ORDER SHEAR AND NORMAL DEFORMATION THEORY BASED ON NEUTRAL SURFACE POSITION FOR BENDING ANALYSIS OF ADVANCED COMPOSITE PLATES. International Journal of Computational Methods, 2014, 11, 1350082.	0.8	180
10	On vibration properties of functionally graded nano-plate using a new nonlocal refined four variable model. Steel and Composite Structures, 2015, 18, 1063-1081.	1.3	178
11	A sinusoidal plate theory with 5-unknowns and stretching effect for thermomechanical bending of functionally graded sandwich plates. Steel and Composite Structures, 2015, 18, 235-253.	1.3	177
12	Bending and buckling analyses of functionally graded material (FGM) size-dependent nanoscale beams including the thickness stretching effect. Steel and Composite Structures, 2015, 18, 425-442.	1.3	164
13	An Efficient Shear Deformation Beam Theory Based on Neutral Surface Position for Bending and Free Vibration of Functionally Graded Beams[#]. Mechanics Based Design of Structures and Machines, 2013, 41, 421-433.	3.4	159
14	Bending and free vibration analysis of functionally graded plates using a simple shear deformation theory and the concept the neutral surface position. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 265-275.	0.8	152
15	A mechanical response of functionally graded nanoscale beam: an assessment of a refined nonlocal shear deformation theory beam theory. Structural Engineering and Mechanics, 2015, 54, 693-710.	1.0	148
16	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. Journal of Sandwich Structures and Materials, 2013, 15, 671-703.	2.0	145
17	A new four-variable refined plate theory for thermal buckling analysis of functionally graded sandwich plates. Journal of Sandwich Structures and Materials, 2012, 14, 5-33.	2.0	139
18	Thermoelastic bending analysis of functionally graded sandwich plates using a new higher order shear and normal deformation theory. International Journal of Mechanical Sciences, 2013, 76, 102-111.	3.6	124

#	ARTICLE	IF	CITATIONS
19	Thermal stability of functionally graded sandwich plates using a simple shear deformation theory. Structural Engineering and Mechanics, 2016, 58, 397-422.	1.0	116
20	Size-dependent mechanical behavior of functionally graded trigonometric shear deformable nanobeams including neutral surface position concept. Steel and Composite Structures, 2016, 20, 963-981.	1.3	109
21	A nonlocal quasi-3D theory for bending and free flexural vibration behaviors of functionally graded nanobeams. Smart Structures and Systems, 2017, 19, 115-126.	1.9	94
22	A new simple three-unknown sinusoidal shear deformation theory for functionally graded plates. Steel and Composite Structures, 2016, 22, 257-276.	1.3	92
23	A novel quasi-3D trigonometric plate theory for free vibration analysis of advanced composite plates. Composite Structures, 2018, 184, 688-697.	3.1	84
24	Two-Variable Refined Plate Theory for Thermoelastic Bending Analysis of Functionally Graded Sandwich Plates. Journal of Thermal Stresses, 2011, 34, 315-334.	1.1	78
25	Thermal Buckling of Functionally Graded Plates According to a Four-Variable Refined Plate Theory. Journal of Thermal Stresses, 2012, 35, 677-694.	1.1	71
26	A new five-unknown refined theory based on neutral surface position for bending analysis of exponential graded plates. Meccanica, 2014, 49, 795-810.	1.2	71
27	On the layerwise finite element formulation for static and free vibration analysis of functionally graded sandwich plates. Engineering With Computers, 2022, 38, 3871-3899.	3.5	62
28	Two new refined shear displacement models for functionally graded sandwich plates. Archive of Applied Mechanics, 2011, 81, 1507-1522.	1.2	60
29	Nonlocal finite element model for the bending and buckling analysis of functionally graded nanobeams using a novel shear deformation theory. Composite Structures, 2021, 264, 113712.	3.1	56
30	A new 3-unknowns non-polynomial plate theory for buckling and vibration of functionally graded sandwich plate. Structural Engineering and Mechanics, 2016, 60, 547-565.	1.0	56
31	A REFINED AND SIMPLE SHEAR DEFORMATION THEORY FOR THERMAL BUCKLING OF SOLAR FUNCTIONALLY GRADED PLATES ON ELASTIC FOUNDATION. International Journal of Computational Methods, 2014, 11, 1350077.	0.8	53
32	Thermo-mechanical bending response with stretching effect of functionally graded sandwich plates using a novel shear deformation theory. Steel and Composite Structures, 2013, 15, 221-245.	1.3	49
33	A novel nonlocal strain gradient Quasi-3D bending analysis of sigmoid functionally graded sandwich nanoplates. Composite Structures, 2021, 262, 113347.	3.1	48
34	Thermal buckling of functionally graded sandwich plates using a new hyperbolic shear displacement model. Steel and Composite Structures, 2013, 15, 399-423.	1.3	47
35	On the finite element analysis of functionally graded sandwich curved beams via a new refined higher order shear deformation theory. Composite Structures, 2022, 279, 114715.	3.1	42
36	On vibration of functionally graded sandwich nanoplates in the thermal environment. Journal of Sandwich Structures and Materials, 2021, 23, 2217-2244.	2.0	40

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37	Analysis of axially temperature-dependent functionally graded carbon nanotube reinforced composite plates. Engineering With Computers, 2022, 38, 2533-2554.	3.5	39
38	A novel quasi-3D hyperbolic shear deformation theory for functionally graded thick rectangular plates on elastic foundation. Geomechanics and Engineering, 2017, 12, 9-34.	0.9	38
39	Thermal stresses and deflections of functionally graded sandwich plates using a new refined hyperbolic shear deformation theory. Steel and Composite Structures, 2015, 18, 1493-1515.	1.3	38
40	Size dependent free vibration and buckling of multilayered carbon nanotubes reinforced composite nanoplates in thermal environment. Mechanics Based Design of Structures and Machines, 2022, 50, 1371-1399.	3.4	33
41	A new first shear deformation beam theory based on neutral surface position for functionally graded beams. Steel and Composite Structures, 2013, 15, 467-479.	1.3	32
42	A nonlocal quasi-3D trigonometric plate model for free vibration behaviour of micro/nanoscale plates. Structural Engineering and Mechanics, 2015, 56, 223-240.	1.0	32
43	An efficient eight‐node quadrilateral element for free vibration analysis of multilayer sandwich plates. International Journal for Numerical Methods in Engineering, 2021, 122, 2360-2387.	1.5	29
44	Buckling Analysis of Orthotropic Nanoscale Plates Resting on Elastic Foundations. Journal of Nano Research, 0, 55, 42-56.	0.8	28
45	Thermal effect on wave propagation in double-walled carbon nanotubes embedded in a polymer matrix using nonlocal elasticity. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1379-1386.	1.3	27
46	A simple shear deformation theory based on neutral surface position for functionally graded plates resting on Pasternak elastic foundations. Structural Engineering and Mechanics, 2015, 53, 1215-1240.	1.0	27
47	Buckling analysis of porous FGM sandwich nanoplates due to heat conduction via nonlocal strain gradient theory. Engineering Research Express, 2019, 1, 015022.	0.8	26
48	A New Hyperbolic Two-Unknown Beam Model for Bending and Buckling Analysis of a Nonlocal Strain Gradient Nanobeams. Journal of Nano Research, 0, 57, 175-191.	0.8	25
49	A n-order four variable refined theory for bending and free vibration of functionally graded plates. Steel and Composite Structures, 2014, 17, 21-46.	1.3	25
50	A new higher order shear and normal deformation theory for functionally graded beams. Steel and Composite Structures, 2015, 18, 793-809.	1.3	25
51	Thermal buckling analysis of FG plates resting on elastic foundation based on an efficient and simple trigonometric shear deformation theory. Steel and Composite Structures, 2015, 18, 443-465.	1.3	22
52	A novel first-order shear deformation theory for laminated composite plates. Steel and Composite Structures, 2014, 17, 321-338.	1.3	21
53	Finite element bending analysis of symmetric and non-symmetric functionally graded sandwich beams using a novel parabolic shear deformation theory. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 2482-2504.	0.7	19
54	Buckling Analysis of CNTRC Curved Sandwich Nanobeams in Thermal Environment. Applied Sciences (Switzerland), 2021, 11, 3250.	1.3	19

#	Article	IF	Citations
55	Thermo-mechanical postbuckling of symmetric S-FGM plates resting on Pasternak elastic foundations using hyperbolic shear deformation theory. Structural Engineering and Mechanics, 2016, 57, 617-639.	1.0	19
56	Sound wave propagation in armchair single walled carbon nanotubes under thermal environment. Journal of Applied Physics, 2011, 110, .	1.1	17
57	Bending analysis of functionally graded porous nanocomposite beams based on a non-local strain gradient theory. Mathematics and Mechanics of Solids, 2022, 27, 66-92.	1.5	16
58	Nonlocal vibration of functionally graded nanoplates using a layerwise theory. Mathematics and Mechanics of Solids, 2022, 27, 2634-2661.	1.5	16
59	A NEW NONLOCAL BEAM THEORY WITH THICKNESS STRETCHING EFFECT FOR NANOBEAMS. International Journal of Nanoscience, 2013, 12, 1350025.	0.4	15
60	Large deformation analysis for functionally graded carbon nanotube-reinforced composite plates using an efficient and simple refined theory. Steel and Composite Structures, 2013, 14, 335-347.	1.3	15
61	Thermal Buckling Response of Functionally Graded Plates with Clamped Boundary Conditions. Journal of Thermal Stresses, 2015, 38, 630-650.	1.1	13
62	Buckling of Generic Higher-Order Shear Beam/Columns with Elastic Connections: Local and Nonlocal Formulation. Journal of Engineering Mechanics - ASCE, 2013, 139, 1091-1109.	1.6	12
63	On the bending and stability of nanowire using various HSDTs. Advances in Nano Research, 2015, 3, 177-191.	0.9	9
64	NONLINEAR BENDING ANALYSIS OF FUNCTIONALLY GRADED PLATES UNDER PRESSURE LOADS USING A FOUR VARIABLE REFINED PLATE THEORY. International Journal of Computational Methods, 2014, 11, 1350062.	0.8	8
65	Nonlocal strain gradient finite element analysis of nanobeams using two-variable trigonometric shear deformation theory. Engineering With Computers, 2022, 38, 647-665.	3.5	8
66	A Novel Refined Plate Theory for Free Vibration Analyses of Single-Layered Graphene Sheets Lying on Winkler-Pasternak Elastic Foundations. Journal of Nano Research, 2019, 58, 151-164.	0.8	6
67	An efficient and simple refined theory for nonlinear bending analysis of functionally graded sandwich plates. Journal of Applied Mechanics and Technical Physics, 2013, 54, 847-856.	0.1	4
68	Buckling of Functionally Graded Nanobeams Based on the Nonlocal New First-Order Shear Deformation Beam Theory. MATEC Web of Conferences, 2014, 11, 01024.	0.1	3
69	Comment on â€œA four-variable refined plate theory for dynamic stability analysis of S-FGM plates based on physical neutral surfaceâ€. Composite Structures, 2015, 131, 842.	3.1	1