S Kitipornchai

List of Publications by Year
in descending order

215 papers	11,142 citations	23567 58 h-index	37204 96 g-index
215 all docs	215 docs citations	215 times ranked	3459 citing authors

#	Article	IF	Citations
1	Size-Dependent Free Vibration of Microbeams Submerged in Fluid. International Journal of Structural Stability and Dynamics, 2020, 20, 2050131.	2.4	7
2	Buckling and bending analyses of a novel functionally graded porous plate using Chebyshev-Ritz method. Archives of Civil and Mechanical Engineering, 2019, 19, 157-170.	3.8	110
3	Thermal-mechanical-electrical buckling behavior of functionally graded micro-beams based on modified couple stress theory. Composite Structures, 2018, 202, 625-634.	5.8	53
4	Thermoelastic analysis of functionally graded graphene reinforced rectangular plates based on 3D elasticity. Meccanica, 2017, 52, 2275-2292.	2.0	99
5	Imperfection sensitivity of postbuckling behaviour of functionally graded carbon nanotube-reinforced composite beams. Thin-Walled Structures, 2016, 108, 225-233.	5.3	58
6	Nonlinear vibration of functionally graded carbon nanotube-reinforced composite beams with geometric imperfections. Composites Part B: Engineering, 2016, 90, 86-96.	12.0	132
7	Elastic buckling and static bending of shear deformable functionally graded porous beam. Composite Structures, 2015, 133, 54-61.	5.8	357
8	Size effect on the free vibration of geometrically nonlinear functionally graded micro-beams under electrical actuation and temperature change. Composite Structures, 2015, 133, 1137-1148.	5.8	42
9	Buckling and post-buckling of size-dependent piezoelectric Timoshenko nanobeams subject to thermo-electro-mechanical loadings. International Journal of Structural Stability and Dynamics, 2014, 14, 1350067.	2.4	68
10	Thermal effect on the pull-in instability of functionally graded micro-beams subjected to electrical actuation. Composite Structures, 2014, 116, 136-146.	5.8	25
11	Snap-through and pull-in analysis of an electro-dynamically actuated curved micro-beam using a nonlinear beam model. Journal of Sound and Vibration, 2013, 332, 3821-3832.	3.9	11
12	Axisymmetric nonlinear free vibration of size-dependent functionally graded annular microplates. Composites Part B: Engineering, 2013, 53, 207-217.	12.0	80
13	Dispersion spectrum in a functionally graded carbon nanotube-reinforced plate based on first-order shear deformation plate theory. Composites Part B: Engineering, 2013, 53, 274-283.	12.0	21
14	BI-STABLE ANALYSES OF LAMINATED FGM SHELLS. International Journal of Structural Stability and Dynamics, 2012, 12, 311-335.	2.4	8
15	BUCKLING OF NANO-RINGS/ARCHES BASED ON NONLOCAL ELASTICITY. International Journal of Applied Mechanics, 2012, 04, 1250025.	2.2	18
16	Nonlinear dynamic response of electro-thermo-mechanically loaded piezoelectric cylindrical shell reinforced with BNNTs. Smart Materials and Structures, 2012, 21, 125005.	3.5	5
17	Pull-in instability and free vibration of electrically actuated poly-SiGe graded micro-beams with a curved ground electrode. Applied Mathematical Modelling, 2012, 36, 1875-1884.	4.2	47
18	Electro-dynamic behavior of an electrically actuated micro-beam: Effects of initial curvature and nonlinear deformation. Computers and Structures, 2012, 96-97, 25-33.	4.4	26

#	Article	IF	Citations
19	Resonance frequency response of geometrically nonlinear micro-switches under electrical actuation. Journal of Sound and Vibration, 2012, 331, 3397-3411.	3.9	38
20	Nonlinear dynamic response of an edge-cracked functionally graded Timoshenko beam under parametric excitation. Nonlinear Dynamics, 2012, 67, 527-540.	5.2	23
21	Geometrical nonlinear free vibration of multi-layered graphene sheets. Journal Physics D: Applied Physics, 2011, 44, 135401.	2.8	56
22	Bending Analysis of Folded Laminated Plates by the FSDT Meshfree Method. Procedia Engineering, 2011, 14, 2714-2721.	1.2	14
23	Pull-in instability of geometrically nonlinear micro-switches under electrostatic and Casimir forces. Acta Mechanica, 2011, 218, 161-174.	2.1	94
24	Nonlinear dynamic response of a functionally graded plate with a through-width surface crack. Nonlinear Dynamics, 2010, 59, 207-219.	5.2	66
25	Nonlinear free vibration of single-walled carbon nanotubes using nonlocal Timoshenko beam theory. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 1727-1735.	2.7	259
26	Dynamic Instability of Nanorods/Nanotubes Subjected to an End Follower Force. Journal of Engineering Mechanics - ASCE, 2010, 136, 1054-1058.	2.9	20
27	A Nonlinear Van Der Waals Force Model for Multiwalled Carbon Nanotubes Modeled by a Nested System of Cylindrical Shells. Journal of Applied Mechanics, Transactions ASME, 2010, 77, .	2.2	19
28	Pull-in analysis of electrostatically actuated curved micro-beams with large deformation. Smart Materials and Structures, 2010, 19, 065030.	3.5	20
29	Characterization of FGM micro-switches under electrostatic and Casimir forces. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012178.	0.6	11
30	Free vibration of geometrically nonlinear micro-switches under electrostatic and Casimir forces. Smart Materials and Structures, 2010, 19, 115028.	3.5	37
31	Analysis of Symmetrically Laminated Folded Plate Structures Using the Meshfree Galerkin Method. Mechanics of Advanced Materials and Structures, 2009, 16, 69-81.	2.6	8
32	POSTBUCKLING OF NANO RODS/TUBES BASED ON NONLOCAL BEAM THEORY. International Journal of Applied Mechanics, 2009, 01, 259-266.	2.2	47
33	Plastic-Buckling of Rectangular Plates under Combined Uniaxial and Shear Stresses. Journal of Engineering Mechanics - ASCE, 2009, 135, 892-895.	2.9	3
34	Reply to â€˜Comments on â€˜Boundary elementâ€free method (BEFM) and its application to twoâ€dimensional elasticity problemsâ€™â€™ by Zhigang Chen, International Journal for Numerical Methods in Engineering 2008; 74:347â€“348. International Journal for Numerical Methods in Engineering, 2009, 78, 1258-1260.	2.8	33
35	Failure analysis of transmission towers. Engineering Failure Analysis, 2009, 16, 1922-1928.	4.0	114
36	Vibration analysis of corrugated Reissnerâ€“Mindlin plates using a mesh-free Galerkin method. International Journal of Mechanical Sciences, 2009, 51, 642-652.	6.7	65

#	Article	IF	Citations
37	Nonlinear vibration of edge cracked functionally graded Timoshenko beams. Journal of Sound and Vibration, 2009, 324, 962-982.	3.9	166
38	A semi-analytic approach for the nonlinear dynamic response of circular plates. Applied Mathematical Modelling, 2009, 33, 4303-4313.	4.2	17
39	Nonlinear free vibration of embedded double-walled carbon nanotubes based on nonlocal Timoshenko beam theory. Computational Materials Science, 2009, 47, 409-417.	3.0	224
40	Pull-in instability of nano-switches using nonlocal elasticity theory. Journal Physics D: Applied Physics, 2008, 41, 035103.	2.8	94
41	Beam Bending Solutions Based on Nonlocal Timoshenko Beam Theory. Journal of Engineering Mechanics - ASCE, 2008, 134, 475-481.	2.9	158
42	Buckling and spanning capacity of cantilevered vertical plates under body forces. IES Journal Part A: Civil and Structural Engineering, 2008, 1, 116-122.	0.4	2
43	Differential quadrature element method for vibration analysis of plates. , 2007, , 322-375.		0
44	VIBRATION OF INITIALLY STRESSED MICRO- AND NANO-BEAMS. International Journal of Structural Stability and Dynamics, 2007, 07, 555-570.	2.4	65
45	Boundary element-free method for fracture analysis of 2-D anisotropic piezoelectric solids. International Journal for Numerical Methods in Engineering, 2007, 69, 729-749.	2.8	33
46	Complex variable moving least-squares method: a meshless approximation technique. International Journal for Numerical Methods in Engineering, 2007, 70, 46-70.	2.8	79
47	Geometric non-linear analysis of folded plate structures by the spline strip kernel particle method. International Journal for Numerical Methods in Engineering, 2007, 71, 1102-1133.	2.8	26
48	Nonlinear analysis of corrugated plates using a FSDT and a meshfree method. Computer Methods in Applied Mechanics and Engineering, 2007, 196, 2358-2376.	6.6	80
49	Analyzing the 2D fracture problems via the enriched boundary element-free method. International Journal of Solids and Structures, 2007, 44, 4220-4233.	2.7	54
50	Analysis of stiffened corrugated plates based on the FSDT via the mesh-free method. International Journal of Mechanical Sciences, 2007, 49, 364-378.	6.7	93
51	Buckling analysis of micro- and nano-rods/tubes based on nonlocal Timoshenko beam theory. Journal Physics D: Applied Physics, 2006, 39, 3904-3909.	2.8	348
52	Thermo-mechanical post-buckling of FGM cylindrical panels with temperature-dependent properties. International Journal of Solids and Structures, 2006, 43, 307-324.	2.7	138
53	Imperfection sensitivity of the post-buckling behavior of higher-order shear deformable functionally graded plates. International Journal of Solids and Structures, 2006, 43, 5247-5266.	2.7	69
54	Predicting nanovibration of multi-layered graphene sheets embedded in an elastic matrix. Acta Materialia, 2006, 54, 4229-4236.	7.9	201

#	ARTICLE	IF	CITATIONS
55	Random vibration of the functionally graded laminates in thermal environments. Computer Methods in Applied Mechanics and Engineering, 2006, 195, 1075-1095.	6.6	123
56	Analyzing the interaction between collinear interfacial cracks by an efficient boundary element-free method. International Journal of Engineering Science, 2006, 44, 37-48.	5.0	36
57	Buckling and free vibration analyses of stiffened plates using the FSDT mesh-free method. Journal of Sound and Vibration, 2006, 289, 421-449.	3.9	94
58	Bending analysis of folded plates by the FSDT meshless method. Thin-Walled Structures, 2006, 44, 1138-1160.	5.3	18
59	Buckling analysis of corrugated plates using a mesh-free Galerkin method based on the first-order shear deformation theory. Computational Mechanics, 2006, 38, 61-75.	4.0	63
60	Boundary element-free method (BEFM) and its application to two-dimensional elasticity problems. International Journal for Numerical Methods in Engineering, 2006, 65, 1310-1332.	2.8	157
61	Buckling of folded plate structures subjected to partial in-plane edge loads by the FSDT meshfree Galerkin method. International Journal for Numerical Methods in Engineering, 2006, 65, 1495-1526.	2.8	26
62	Mesh-free methods for buckling analysis of stiffened and corrugated plates. , 2006, , 80-116.		2
63	Buckling analysis of multi-walled carbon nanotubes: a continuum model accounting for van der Waals interaction. Journal of the Mechanics and Physics of Solids, 2005, 53, 303-326.	4.8	345
64	Stochastic analysis of compositionally graded plates with system randomness under static loading. International Journal of Mechanical Sciences, 2005, 47, 1519-1541.	6.7	105
65	Second-order statistics of the elastic buckling of functionally graded rectangular plates. Composites Science and Technology, 2005, 65, 1165-1175.	7.8	125
66	Boundary element-free method (BEFM) for two-dimensional elastodynamic analysis using Laplace transform. International Journal for Numerical Methods in Engineering, 2005, 64, 1610-1627.	2.8	93
67	Analysis of rectangular stiffened plates under uniform lateral load based on FSDT and element-free Galerkin method. International Journal of Mechanical Sciences, 2005, 47, 251-276.	6.7	44
68	Buckling of intermediate ring supported cylindrical shells under axial compression. Thin-Walled Structures, 2005, 43, 427-443.	5.3	5
69	A boundary element-free method (BEFM) for three-dimensional elasticity problems. Computational Mechanics, 2005, 36, 13-20.	4.0	54
70	Buckling analysis of triple-walled carbon nanotubes embedded in an elastic matrix. Journal of Applied Physics, 2005, 97, 114318.	2.5	45
71	Buckling characteristics of embedded multi-walled carbon nanotubes. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2005, 461, 3785-3805.	2.1	24
72	Continuum model for the vibration of multilayered graphene sheets. Physical Review B, 2005, 72, .	3.2	255

#	ARTICLE	IF	CITATIONS
73	Resonance analysis of multi-layered graphene sheets used as nanoscale resonators. Nanotechnology, 2005, 16, 2086-2091.	2.6	184
74	Thermal Post-Buckling of Laminated Plates Comprising Functionally Graded Materials With Temperature-Dependent Properties. Journal of Applied Mechanics, Transactions ASME, 2004, 71, 839-850.	2.2	109
75	Dynamic stability of laminated FGM plates based on higher-order shear deformation theory. Computational Mechanics, 2004, 33, 305-315.	4.0	70
76	Interactive analysis and design of cold-formed steel cladding system. Journal of Constructional Steel Research, 2004, 60, 1409-1423.	3.9	8
77	Analysis of the pseudoelastic behavior of a SMA beam by the element-free Galerkin method. Engineering Analysis With Boundary Elements, 2004, 28, 497-507.	3.7	30
78	Non-linear analysis of the thermo-electro-mechanical behaviour of shear deformable FGM plates with piezoelectric actuators. International Journal for Numerical Methods in Engineering, 2004, 59, 1605-1632.	2.8	90
79	Upgrading of transmission towers using a diaphragm bracing system. Engineering Structures, 2004, 26, 735-744.	5.3	62
80	Semi-analytical solution for nonlinear vibration of laminated FGM plates with geometric imperfections. International Journal of Solids and Structures, 2004, 41, 2235-2257.	2.7	136
81	Finite element method for the feedback control of FGM shells in the frequency domain via piezoelectric sensors and actuators. Computer Methods in Applied Mechanics and Engineering, 2004, 193, 257-273.	6.6	88
82	Analysis of the free vibration of rectangular plates with central cut-outs using the discrete Ritz method. International Journal of Mechanical Sciences, 2003, 45, 941-959.	6.7	56
83	Analysis of the thermal stress behaviour of functionally graded hollow circular cylinders. International Journal of Solids and Structures, 2003, 40, 2355-2380.	2.7	230
84	Postbuckling of piezoelectric FGM plates subject to thermo-electro-mechanical loading. International Journal of Solids and Structures, 2003, 40, 3869-3892.	2.7	266
85	Large amplitude vibration of thermo-electro-mechanically stressed FGM laminated plates. Computer Methods in Applied Mechanics and Engineering, 2003, 192, 3861-3885.	6.6	152
86	Numerical simulation of structural behaviour of transmission towers. Thin-Walled Structures, 2003, 41, 167-177.	5.3	73
87	Vibration of Timoshenko Beams with Internal Hinge. Journal of Engineering Mechanics - ASCE, 2003, 129, 293-301.	2.9	23
88	Exact Buckling Solutions For Rectangular Plates Under Intermediate and End Uniaxial Loads. Journal of Engineering Mechanics - ASCE, 2003, 129, 835-838.	2.9	13
89	AXISYMMETRIC VIBRATION OF CYLINDRICAL SHELLS WITH INTERMEDIATE RING SUPPORTS. International Journal of Structural Stability and Dynamics, 2003, 03, 35-53.	2.4	3
90	Buckling of Vertical Cylindrical Shells Under Combined End Pressure and Body Force. Journal of Engineering Mechanics - ASCE, 2003, 129, 876-884.	2.9	30

#	ARTICLE	IF	CITATIONS
91	Lattice Transmission Tower Analysis: Beyond Simple Truss Model. , 2002, , 175.		2
92	Cold-formed purlin-sheeting systems. , 2002, , 429-435.		1
93	Active control of FGM shells subjected to a temperature gradient via piezoelectric sensor/actuator patches. International Journal for Numerical Methods in Engineering, 2002, 55, 653-668.	2.8	92
94	Single mode Lamb waves in composite laminated plates generated by piezoelectric transducers. Composite Structures, 2002, 58, 381-396.	5.8	31
95	Multi-dimensional superelastic behavior of shape memory alloys via nonlinear finite element method. Engineering Structures, 2002, 24, 51-57.	5.3	23
96	Stability criteria for Timoshenko columns with intermediate and end concentrated axial loads. Journal of Constructional Steel Research, 2002, 58, 1177-1193.	3.9	19
97	Exact solutions for vibration of cylindrical shells with intermediate ring supports. International Journal of Mechanical Sciences, 2002, 44, 1907-1924.	6.7	57
98	Analysis of acousto-ultrasonic characteristics for contact-type transducers coupled to composite laminated plates. International Journal of Mechanical Sciences, 2001, 43, 1441-1456.	6.7	10
99	A semi-analytical solution for vibration of rectangular plates with abrupt thickness variation. International Journal of Solids and Structures, 2001, 38, 4937-4954.	2.7	18
100	Analysis of Piezoelectric Sensor to Detect Flexural Waves. Journal of Guidance, Control, and Dynamics, 2001, 24, 960-966.	2.8	3
101	FREE VIBRATION OF SYMMETRICALLY LAMINATED THICK-PERFORATED PLATES. Journal of Sound and Vibration, 2000, 230, 111-132.	3.9	18
102	Prestressed composite laminates featuring interlaminar imperfection. International Journal of Mechanical Sciences, 2000, 42, 425-443.	6.7	12
103	Influence of imperfect interfaces on bending and vibration of laminated composite shells. International Journal of Solids and Structures, 2000, 37, 2127-2150.	2.7	71
104	Exact eigenvalue correspondences between laminated plate theories via membrane vibration. International Journal of Solids and Structures, 2000, 37, 2253-2264.	2.7	9
105	Three-dimensional asymptotic approach to inhomogeneous and laminated piezoelectric plates. International Journal of Solids and Structures, 2000, 37, 3153-3175.	2.7	68
106	A non-discretized global method for free vibration of generally laminated fibre-reinforced pre-twisted cantilever plates. Computational Mechanics, 2000, 26, 197-207.	4.0	9
107	The influence of backward wave transmission on quantitative ultrasonic evaluation using Lamb wave propagation. Journal of the Acoustical Society of America, 2000, 107, 306-314.	1.1	12
108	Exact Bending Solution of Inhomogeneous Plates from Homogeneous Thin-Plate Deflection. AIAA Journal, 2000, 38, 1289-1291.	2.6	9

#	ARTICLE	IF	CITATIONS
109	Membrane Analogy of Buckling and Vibration of Inhomogeneous Plates. Journal of Engineering Mechanics - ASCE, 1999, 125, 1293-1297.	2.9	52
110	Vibration of unsymmetrically laminated thick quadrilateral plates. Journal of the Acoustical Society of America, 1999, 105, 1672-1681.	1.1	8
111	Analysis of acousto-ultrasonic characteristics for an isotropic thin plate. Journal of the Acoustical Society of America, 1999, 105, 3318-3325.	1.1	1
112	Axisymmetric bending of functionally graded circular and annular plates. European Journal of Mechanics, A/Solids, 1999, 18, 185-199.	3.7	318
113	Three-dimensional exact solution for inhomogeneous and laminated piezoelectric plates. International Journal of Engineering Science, 1999, 37, 1425-1439.	5.0	34
114	EFFECTS OF SUBTENDED AND VERTEX ANGLES ON THE FREE VIBRATION OF OPEN CONICAL SHELL PANELS: A CONICAL CO-ORDINATE APPROACH. Journal of Sound and Vibration, 1999, 219, 813-835.	3.9	23
115	VIBRATION OF SYMMETRICALLY LAMINATED THICK SUPER ELLIPTICAL PLATES. Journal of Sound and Vibration, 1999, 220, 659-682.	3.9	18
116	Analysis of Acousto-Ultrasonic Characteristics for Contact-Type Transducers Coupled to an Orthotropic Composite Plate. Journal of Vibration and Acoustics, Transactions of the ASME, 1999, 121, 460-467.	1.6	1
117	Exact Connection Between Deflections of the Classical and Shear Deformation Laminated Plate Theories. Journal of Applied Mechanics, Transactions ASME, 1999, 66, 260-262.	2.2	4
118	Vibration of cantilevered laminated composite shallow conical shells. International Journal of Solids and Structures, 1998, 35, 1695-1707.	2.7	33
119	Shear deformable bending solutions for nonuniform beams and plates with elastic end restraints from classical solutions. Archive of Applied Mechanics, 1998, 68, 323-333.	2.2	6
120	Numerical aspects for free vibration of thick plates part I: Formulation and verification. Computer Methods in Applied Mechanics and Engineering, 1998, 156, 15-29.	6.6	48
121	Numerical aspects for free vibration of thick plates part II: Numerical efficiency and vibration frequencies. Computer Methods in Applied Mechanics and Engineering, 1998, 156, 31-44.	6.6	20
122	A free-vibration analysis of doubly connected super-elliptical laminated composite plates. Composites Science and Technology, 1998, 58, 435-445.	7.8	27
123	Free Vibration Analysis of Thick Superelliptical Plates. Journal of Engineering Mechanics - ASCE, 1998, 124, 137-145.	2.9	24
124	Vibration of open cylindrical shells: A three-dimensional elasticity approach. Journal of the Acoustical Society of America, 1998, 104, 1436-1443.	1.1	20
125	Acousto-Ultrasonic Characteristics for Contact-Type Transducers Coupled to Timoshenko Beam. AIAA Journal, 1998, 36, 638-644.	2.6	2
126	Nonlinear Theory for Composite Laminated Shells With Interfacial Damage. Journal of Applied Mechanics, Transactions ASME, 1998, 65, 711-718.	2.2	25

#	Article	IF	Citations
127	Vibration analysis of symmetrically laminated thick rectangular plates using the higher-order theory and p-Ritz method. Journal of the Acoustical Society of America, 1997, 102, 1600-1611.	1.1	36
128	Vibration of Laminated Plates Having Elastic Edge Flexibilities. Journal of Engineering Mechanics - ASCE, 1997, 123, 1012-1019.	2.9	20
129	Comparative Accuracy of Shallow and Deep Shell Theories for Vibration of Cylindrical Shells. JVC/Journal of Vibration and Control, 1997, 3, 119-143.	2.6	13
130	Relationships between Buckling Loads of Kirchhoff, Mindlin, and Reddy Polygonal Plates on Pasternak Foundation. Journal of Engineering Mechanics - ASCE, 1997, 123, 1134-1137.	2.9	20
131	Vibration Analysis of Arbitrary Quadrilateral Unsymmetrically Laminated Thick Plates. AIAA Journal, 1997, 35, 1251-1253.	2.6	5
132	Vibration of Shallow Shells: A Review With Bibliography. Applied Mechanics Reviews, 1997, 50, 431-444.	10.1	164
133	Timoshenko curved beam bending solutions in terms of Euler-Bernoulli solutions. Archive of Applied Mechanics, 1997, 67, 179-190.	2.2	43
134	Modelling of cold-formed purlin-sheeting systemsâ€”Part 2. Simplified model. Thin-Walled Structures, 1997, 27, 263-286.	5.3	40
135	Exact solutions for axisymmetric bending of continuous annular plates. Computers and Structures, 1997, 63, 455-464.	4.4	13
136	FREE VIBRATION OF SHEAR-DEFORMABLE GENERAL TRIANGULAR PLATES. Journal of Sound and Vibration, 1997, 199, 595-613.	3.9	23
137	VIBRATION ANALYSIS OF RECTANGULAR MINDLIN PLATES RESTING ON ELASTIC EDGE SUPPORTS. Journal of Sound and Vibration, 1997, 204, 1-16.	3.9	53
138	Optimal locations of point supports in laminated rectangular plates for maximum fundamental frequency. Structural Engineering and Mechanics, 1997, 5, 691-703.	1.0	8
139	Full Scale Testing of Transmission and Telecommunication Towers Using Numerical Simulation Techniques. , 1996, , 43-53.		2
140	Vibration of circular and annular Mindlin plates with internal ring stiffeners. Journal of the Acoustical Society of America, 1996, 100, 3696-3705.	1.1	15
141	Buckling and Vibration of Thick Laminates on Pasternak Foundations. Journal of Engineering Mechanics - ASCE, 1996, 122, 54-63.	2.9	59
142	Exact buckling solutions for composite laminates: proper free edge conditions under in-plane loadings. Acta Mechanica, 1996, 117, 115-128.	2.1	40
143	OPTIMAL DESIGN OF INTERNAL RING SUPPORT FOR RECTANGULAR PLATES AGAINST VIBRATION OR BUCKLING. Journal of Sound and Vibration, 1996, 193, 545-554.	3.9	5
144	Free vibration of cantilevered arbitrary triangular Mindlin plates. International Journal of Mechanical Sciences, 1996, 38, 431-442.	6.7	39

#	Article	IF	Citations
145	Analytical buckling solutions for mindlin plates involving free edges. International Journal of Mechanical Sciences, 1996, 38, 1127-1138.	6.7	67
146	Navier's solution for laminated plate buckling with prebuckling in-plane deformation. International Journal of Solids and Structures, 1996, 33, 1921-1937.	2.7	12
147	Optimal locations of point supports in plates for maximum fundamental frequency. Structural Optimization, 1996, 11, 170-177.	0.6	9
148	Modeling the vibration of a variable thickness ellipsoidal dish with central point clamp or concentric surface clamp. Journal of the Acoustical Society of America, 1996, 99, 362-372.	1.1	17
149	Vibration of arbitrarily laminated plates of general trapezoidal planform. Journal of the Acoustical Society of America, 1996, 100, 3674-3685.	1.1	18
150	Bounding-surface plasticity for non-linear analysis of space structures. International Journal for Numerical Methods in Engineering, 1995, 38, 797-808.	2.8	5
151	Research on thick plate vibration: a literature survey. Journal of Sound and Vibration, 1995, 180, 163-176.	3.9	214
152	Vibration of annular sector mindlin plates with internal radial line and circumferential arc supports. Journal of Sound and Vibration, 1995, 183, 401-419.	3.9	19
153	Formulation of Mindlin-Engesser model for stiffened plate vibration. Computer Methods in Applied Mechanics and Engineering, 1995, 120, 339-353.	6.6	49
154	Hybrid analysis of Lamb wave reflection by a crack at the fixed edge of a composite plate. Computer Methods in Applied Mechanics and Engineering, 1995, 125, 221-233.	6.6	23
155	FORTRAN subroutines for mathematical operations on polynomial functions. Computers and Structures, 1995, 56, 541-551.	4.4	4
156	Dynamic response of flexibly jointed frames. Engineering Structures, 1995, 17, 575-580.	5.3	18
157	Vibration of stiffened skew Mindlin plates. Acta Mechanica, 1995, 112, 11-28.	2.1	23
158	Benchmark vibration solutions for regular polygonal Mindlin plates. Journal of the Acoustical Society of America, 1995, 97, 2866-2871.	1.1	2
159	Shear buckling of simply supported skew Mindlin plates. AIAA Journal, 1995, 33, 377-378.	2.6	7
160	Reflection of plate waves at the fixed edge of a composite plate. Journal of the Acoustical Society of America, 1995, 98, 644-651.	1.1	13
161	Vibration of Mindlin Plates on Point Supports Using Constraint Functions. Journal of Engineering Mechanics - ASCE, 1994, 120, 499-513.	2.9	25
162	Buckling Solutions of Rectangular Mindlin Plates under Uniform Shear. Journal of Engineering Mechanics - ASCE, 1994, 120, 2462-2470.	2.9	18

#	Article	IF	Citations
163	Vibration of Rectangular Mindlin Plates with Intermediate Stiffeners. Journal of Vibration and Acoustics, Transactions of the ASME, 1994, 116, 529-535.	1.6	42
164	Effect of Bolt Slippage on Ultimate Behavior of Lattice Structures. Journal of Structural Engineering, 1994, 120, 2281-2287.	3.4	69
165	Buckling And Vibration Of Annular Mindlin Plates With Internal Concentric Ring Supports Subject To In-Plane Radial Pressure. Journal of Sound and Vibration, 1994, 177, 689-707.	3.9	24
166	Flexural Vibration Of Skew Mindlin Plates With Oblique Internal Line Supports. Journal of Sound and Vibration, 1994, 178, 535-551.	3.9	9
167	Non-linear analysis of thin-walled structures using plate elements. International Journal for Numerical Methods in Engineering, 1994, 37, 1697-1711.	2.8	15
168	A global approach for vibration of thick trapezoidal plates. Computers and Structures, 1994, 53, 83-92.	4.4	30
169	Exact vibration solution for initially stressed Mindlin plates on Pasternak foundations. International Journal of Mechanical Sciences, 1994, 36, 311-316.	6.7	102
170	Buckling of triangular Mindlin plates under isotropic inplane compression. Acta Mechanica, 1994, 102, 123-135.	2.1	12
171	Stability of cold-formed members. Engineering Structures, 1994, 16, 386-392.	5.3	9
172	Buckling solutions for Mindlin plates of various shapes. Engineering Structures, 1994, 16, 119-127.	5.3	50
173	Cyclic and seismic response of flexibly jointed frames. Engineering Structures, 1994, 16, 249-255.	5.3	33
174	Vibration of Triangular Mindlin Plates Subject to Isotropic In-Plane Stresses. Journal of Vibration and Acoustics, Transactions of the ASME, 1994, 116, 61-66.	1.6	10
175	Vibration Of Thick Skew Plates Based On Mindlin Shear Deformation Plate Theory. Journal of Sound and Vibration, 1993, 168, 39-69.	3.9	119
176	Buckling of thick skew plates. International Journal for Numerical Methods in Engineering, 1993, 36, 1299-1310.	2.8	113
177	Maximum response of asymmetric structures subject to A multicomponent earthquake. Earthquake Engineering and Structural Dynamics, 1993, 22, 1047-1066.	4.4	5
178	Research on elastic buckling of columns, beam and plates: Focussing on formulas and design charts. Journal of Constructional Steel Research, 1993, 26, 211-230.	3.9	7
179	Flexural vibration of shear deformable circular and annular plates on ring supports. Computer Methods in Applied Mechanics and Engineering, 1993, 110, 301-315.	6.6	41
180	Transverse vibration of thick rectangular platesâ€"III. Effects of multiple eccentric internal ring supports. Computers and Structures, 1993, 49, 59-67.	4.4	10

#	Article	IF	Citations
181	Transverse vibration of thick rectangular platesâ€"IV. Influence of isotropic in-plane pressure. Computers and Structures, 1993, 49, 69-78.	4.4	20
182	Free vibration of isosceles triangular mindlin plates. International Journal of Mechanical Sciences, 1993, 35, 89-102.	6.7	38
183	Nonlinear finite element analysis of latticed transmission towers. Engineering Structures, 1993, 15, 259-269.	5.3	23
184	Transverse vibration of thick rectangular platesâ€"I. Comprehensive sets of boundary conditions. Computers and Structures, 1993, 49, 1-29.	4.4	150
185	Transverse vibration of thick rectangular platesâ€"II. Inclusion of oblique internal line supports. Computers and Structures, 1993, 49, 31-58.	4.4	22
186	Research developments in analyses of plates and shells. Journal of Constructional Steel Research, 1993, 26, 231-248.	3.9	16
187	Buckling of rectangular mindlin plates with internal line supports. International Journal of Solids and Structures, 1993, 30, 1-17.	2.7	67
188	Stability of Skew Mindlin Plates under Isotropic Inâ€Plane Pressure. Journal of Engineering Mechanics - ASCE, 1993, 119, 393-401.	2.9	16
189	Axisymmetric Buckling of Circular Mindlin Plates with Ring Supports. Journal of Structural Engineering, 1993, 119, 782-793.	3.4	37
190	Transverse Vibration of Thick Annular Sector Plates. Journal of Engineering Mechanics - ASCE, 1993, 119, 1579-1599.	2.9	44
191	Mindlin Plate Buckling with Prebuckling Inâ€Plane Deformation. Journal of Engineering Mechanics - ASCE, 1993, 119, 1-18.	2.9	30
192	Eccentrically Connected Cleat Plates in Compression. Journal of Structural Engineering, 1993, 119, 767-781.	3.4	11
193	Formex Formulation of Transmission Tower Structures. International Journal of Space Structures, 1992, 7, 1-10.	1.0	8
194	Nonlinear analysis of lattice structures. Journal of Constructional Steel Research, 1992, 23, 209-225.	3.9	8
195	Application of Trefftz theory in thin-plate buckling with in-plane pre-buckling deformations. International Journal of Mechanical Sciences, 1992, 34, 681-688.	6.7	4
196	Nonlinear analysis of transmission towers. Engineering Structures, 1992, 14, 139-151.	5.3	69
197	Stability of thin-walled members having arbitrary flange shape and flexible web. Engineering Structures, 1992, 14, 121-132.	5.3	20
198	Column buckling under general loads with allowances for pre-buckling shortening and shear deformation. Archive of Applied Mechanics, 1992, 62, 544-556.	2.2	6

#	Article	IF	Citations
199	Buckling of columns: Allowance for axial shortening. International Journal of Mechanical Sciences, 1991, 33, 613-622.	6.7	7
200	Single-equation yield surfaces for monosymmetric and asymmetric sections. Engineering Structures, 1991, 13, 366-370.	5.3	23
201	Parametric study on distortional buckling of monosymmetric beam-columns. Journal of Constructional Steel Research, 1991, 18, 89-110.	3.9	21
202	Discussion of â€œEffect of Axial Compressibility on Buckling of Columnsâ€•by Charles W. Bert (March,) Tj ETQq0 0 0 rgBT /Overlock 10	2.9	4
203	Elasto-plastic large deformation analysis of thin-walled structures. Engineering Structures, 1990, 12, 28-36.	5.3	47
204	Optimal Designs of Iâ€Beams against Lateral Buckling. Journal of Engineering Mechanics - ASCE, 1990, 116, 1902-1923.	2.9	7
205	Geometric and material nonlinear analysis of structures comprising rectangular hollow sections. Engineering Structures, 1988, 10, 13-23.	5.3	32
206	Partially braced inelastic beam buckling experiments. Journal of Constructional Steel Research, 1987, 7, 189-211.	3.9	8
207	Buckling of braced monosymmetric cantilevers. International Journal of Mechanical Sciences, 1987, 29, 321-337.	6.7	17
208	Geometric nonlinear analysis of asymmetric thin-walled beam-columns. Engineering Structures, 1987, 9, 243-254.	5.3	88
209	Buckling of braced monosymmetric cantilevers. International Journal of Mechanical Sciences, 1987, 29, 321-337.	6.7	6
210	Inelastic buckling of single-angle, tee and double-angle struts. Journal of Constructional Steel Research, 1986, 6, 3-20.	3.9	39
211	Lateral buckling of tee beams under moment gradient. Computers and Structures, 1986, 23, 69-76.	4.4	21
212	Optimal design of tapered beams for maximum buckling strength. Engineering Structures, 1986, 8, 276-284.	5.3	9
213	On stability of monosymmetric cantilevers. Engineering Structures, 1986, 8, 169-180.	5.3	37
214	Torsionalâ€”Flexural buckling of angles: A parametric study. Journal of Constructional Steel Research, 1983, 3, 27-31.	3.9	8
215	Inelastic beam buckling experiments. Journal of Constructional Steel Research, 1983, 3, 3-9.	3.9	32