Sritawat Kitipornchai

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

382 papers	18,239 citations	73 h-index	119 g-index
392 ext. papers	20,384 ext. citations	3.8 avg, IF	7.39 L-index

#	Paper	IF	Citations
382	Nonlinear free vibration of functionally graded carbon nanotube-reinforced composite beams. *Composite Structures*, **2010**, 92, 676-683	5.3	407
381	Free and forced vibrations of functionally graded polymer composite plates reinforced with graphene nanoplatelets. *Composite Structures*, **2017**, 159, 579-588	5.3	381
380	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	5	323
379	Buckling analysis of micro- and nano-rods/tubes based on nonlocal Timoshenko beam theory. *Journal Physics D: Applied Physics*, **2006**, 39, 3904-3909	3	317
378	Free vibration and elastic buckling of functionally graded porous beams reinforced by graphene platelets. *Materials and Design*, **2017**, 116, 656-665	8.1	313
377	Nonlinear free vibration of size-dependent functionally graded microbeams. *International Journal of Engineering Science*, **2012**, 50, 256-267	5.7	306
376	Buckling and postbuckling of functionally graded multilayer graphene platelet-reinforced composite beams. *Composite Structures*, **2017**, 161, 111-118	5.3	283
375	Axisymmetric bending of functionally graded circular and annular plates. *European Journal of Mechanics, A/Solids*, **1999**, 18, 185-199	3.7	279
374	Elastic buckling and static bending of shear deformable functionally graded porous beam. *Composite Structures*, **2015**, 133, 54-61	5.3	247
373	Nonlinear bending of polymer nanocomposite beams reinforced with non-uniformly distributed graphene platelets (GPLs). *Composites Part B: Engineering*, **2017**, 110, 132-140	10	247
372	Buckling and free vibration analyses of functionally graded graphene reinforced porous nanocomposite plates based on Chebyshev-Ritz method. *Composite Structures*, **2018**, 193, 281-294	5.3	239
371	Postbuckling of piezoelectric FGM plates subject to thermo-electro-mechanical loading. *International Journal of Solids and Structures*, **2003**, 40, 3869-3892	3.1	238
370	Nonlinear free vibration of single-walled carbon nanotubes using nonlocal Timoshenko beam theory. *Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 42, 1727-1735	3	234
369	Free and forced vibrations of shear deformable functionally graded porous beams. *International Journal of Mechanical Sciences*, **2016**, 108-109, 14-22	5.5	228
368	Continuum model for the vibration of multilayered graphene sheets. *Physical Review B*, **2005**, 72,	3.3	225
367	Nonlinear vibration and postbuckling of functionally graded graphene reinforced porous nanocomposite beams. *Composites Science and Technology*, **2017**, 142, 235-245	8.6	220
366	Analysis of the thermal stress behaviour of functionally graded hollow circular cylinders. *International Journal of Solids and Structures*, **2003**, 40, 2355-2380	3.1	204

365	Nonlinear free vibration of embedded double-walled carbon nanotubes based on nonlocal Timoshenko beam theory. *Computational Materials Science*, **2009**, 47, 409-417	3.2	202
364	Nonlinear free vibration of shear deformable sandwich beam with a functionally graded porous core. *Thin-Walled Structures*, **2016**, 107, 39-48	4.7	200
363	Free vibration of size-dependent Mindlin microplates based on the modified couple stress theory. *Journal of Sound and Vibration*, **2012**, 331, 94-106	3.9	199
362	Nonlinear free vibration of functionally graded polymer composite beams reinforced with graphene nanoplatelets (GPLs). *Engineering Structures*, **2017**, 140, 110-119	4.7	198
361	Research on thick plate vibration: a literature survey. *Journal of Sound and Vibration*, **1995**, 180, 163-176	3.9	198
360	Predicting nanovibration of multi-layered graphene sheets embedded in an elastic matrix. *Acta Materialia*, **2006**, 54, 4229-4236	8.4	189
359	Bending and buckling analyses of functionally graded polymer composite plates reinforced with graphene nanoplatelets. *Composites Part B: Engineering*, **2018**, 134, 106-113	10	187
358	Dynamic instability of functionally graded multilayer graphene nanocomposite beams in thermal environment. *Composite Structures*, **2017**, 162, 244-254	5.3	184
357	Large amplitude vibration of carbon nanotube reinforced functionally graded composite beams with piezoelectric layers. *Composite Structures*, **2013**, 96, 716-725	5.3	165
356	Thermo-electro-mechanical vibration of piezoelectric nanoplates based on the nonlocal theory. *Composite Structures*, **2013**, 106, 167-174	5.3	158
355	Free vibration of size-dependent magneto-electro-elastic nanoplates based on the nonlocal theory. *Acta Mechanica Sinica/Lixue Xuebao*, **2014**, 30, 516-525	2	157
354	Resonance analysis of multi-layered graphene sheets used as nanoscale resonators. *Nanotechnology*, **2005**, 16, 2086-91	3.4	157
353	Thermal buckling and postbuckling of functionally graded graphene nanocomposite plates. *Materials and Design*, **2017**, 132, 430-441	8.1	152
352	Boundary element-free method (BEFM) and its application to two-dimensional elasticity problems. *International Journal for Numerical Methods in Engineering*, **2006**, 65, 1310-1332	2.4	151
351	Functionally graded graphene reinforced composite structures: A review. *Engineering Structures*, **2020**, 210, 110339	4.7	149
350	Three-dimensional buckling and free vibration analyses of initially stressed functionally graded graphene reinforced composite cylindrical shell. *Composite Structures*, **2018**, 189, 560-569	5.3	149
349	Bending, buckling and vibration of size-dependent functionally graded annular microplates. *Composite Structures*, **2012**, 94, 3250-3257	5.3	141
348	An analytical study on the nonlinear vibration of functionally graded beams. *Meccanica*, **2010**, 45, 743-752	2.1	140

347	Beam Bending Solutions Based on Nonlocal Timoshenko Beam Theory. *Journal of Engineering Mechanics - ASCE*, **2008**, 134, 475-481	2.4	137
346	Large amplitude vibration of thermo-electro-mechanically stressed FGM laminated plates. *Computer Methods in Applied Mechanics and Engineering*, **2003**, 192, 3861-3885	5.7	136
345	Nonlinear vibration of edge cracked functionally graded Timoshenko beams. *Journal of Sound and Vibration*, **2009**, 324, 962-982	3.9	135
344	Transverse vibration of thick rectangular plates Comprehensive sets of boundary conditions. *Computers and Structures*, **1993**, 49, 1-29	4.5	129
343	Thermo-mechanical post-buckling of FGM cylindrical panels with temperature-dependent properties. *International Journal of Solids and Structures*, **2006**, 43, 307-324	3.1	126
342	Buckling and postbuckling of biaxially compressed functionally graded multilayer graphene nanoplatelet-reinforced polymer composite plates. *International Journal of Mechanical Sciences*, **2017**, 131-132, 345-355	5.5	123
341	Flexural Vibration and Elastic Buckling of a Cracked Timoshenko Beam Made of Functionally Graded Materials. *Mechanics of Advanced Materials and Structures*, **2009**, 16, 488-502	1.8	119
340	Dynamic Stability of Functionally Graded Carbon Nanotube-Reinforced Composite Beams. *Mechanics of Advanced Materials and Structures*, **2013**, 20, 28-37	1.8	117
339	Thermal bifurcation buckling of piezoelectric carbon nanotube reinforced composite beams. *Computers and Mathematics With Applications*, **2013**, 66, 1147-1160	2.7	115
338	3D thermo-mechanical bending solution of functionally graded graphene reinforced circular and annular plates. *Applied Mathematical Modelling*, **2017**, 49, 69-86	4.5	112
337	Semi-analytical solution for nonlinear vibration of laminated FGM plates with geometric imperfections. *International Journal of Solids and Structures*, **2004**, 41, 2235-2257	3.1	112
336	Second-order statistics of the elastic buckling of functionally graded rectangular plates. *Composites Science and Technology*, **2005**, 65, 1165-1175	8.6	112
335	Nonlinear vibration of functionally graded carbon nanotube-reinforced composite beams with geometric imperfections. *Composites Part B: Engineering*, **2016**, 90, 86-96	10	111
334	Random vibration of the functionally graded laminates in thermal environments. *Computer Methods in Applied Mechanics and Engineering*, **2006**, 195, 1075-1095	5.7	108
333	Geometrically nonlinear free vibration of shear deformable piezoelectric carbon nanotube/fiber/polymer multiscale laminated composite plates. *Journal of Sound and Vibration*, **2014**, 333, 3236-3251	3.9	103
332	Vibration Of Thick Skew Plates Based On Mindlin Shear Deformation Plate Theory. *Journal of Sound and Vibration*, **1993**, 168, 39-69	3.9	103
331	Buckling of thick skew plates. *International Journal for Numerical Methods in Engineering*, **1993**, 36, 1299-1310	2.4	103
330	Thermal Post-Buckling of Laminated Plates Comprising Functionally Graded Materials With Temperature-Dependent Properties. *Journal of Applied Mechanics, Transactions ASME*, **2004**, 71, 839-850	2.7	99

329	Failure analysis of transmission towers. *Engineering Failure Analysis*, **2009**, 16, 1922-1928	3.2	94
328	Stochastic analysis of compositionally graded plates with system randomness under static loading. *International Journal of Mechanical Sciences*, **2005**, 47, 1519-1541	5.5	88
327	Boundary element-free method (BEFM) for two-dimensional elastodynamic analysis using Laplace transform. *International Journal for Numerical Methods in Engineering*, **2005**, 64, 1610-1627	2.4	88
326	Pull-in instability of geometrically nonlinear micro-switches under electrostatic and Casimir forces. *Acta Mechanica*, **2011**, 218, 161-174	2.1	87
325	Parametric instability of thermo-mechanically loaded functionally graded graphene reinforced nanocomposite plates. *International Journal of Mechanical Sciences*, **2018**, 135, 431-440	5.5	87
324	The size-dependent vibration of embedded magneto-electro-elastic cylindrical nanoshells. *Smart Materials and Structures*, **2014**, 23, 125036	3.4	86
323	Postbuckling analysis of edge cracked functionally graded Timoshenko beams under end shortening. *Composite Structures*, **2009**, 90, 152-160	5.3	84
322	Pull-in instability of nano-switches using nonlocal elasticity theory. *Journal Physics D: Applied Physics*, **2008**, 41, 035103	3	84
321	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	2.4	84
320	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	5.7	81
319	Geometric nonlinear analysis of asymmetric thin-walled beam-columns. *Engineering Structures*, **1987**, 9, 243-254	4.7	80
318	Exact vibration solution for initially stressed Mindlin plates on Pasternak foundations. *International Journal of Mechanical Sciences*, **1994**, 36, 311-316	5.5	78
317	Free Vibration and Buckling Analysis of Sandwich Beams with Functionally Graded Carbon Nanotube-Reinforced Composite Face Sheets. *International Journal of Structural Stability and Dynamics*, **2015**, 15, 1540011	1.9	76
316	Axisymmetric nonlinear free vibration of size-dependent functionally graded annular microplates. *Composites Part B: Engineering*, **2013**, 53, 207-217	10	76
315	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	76
314	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	2.4	76
313	Dynamic response and energy absorption of functionally graded porous structures. *Materials and Design*, **2018**, 140, 473-487	8.1	75
312	Thermoelastic analysis of functionally graded graphene reinforced rectangular plates based on 3D elasticity. *Meccanica*, **2017**, 52, 2275-2292	2.1	74

311	Imperfection sensitivity of thermal post-buckling behaviour of functionally graded carbon nanotube-reinforced composite beams. *Applied Mathematical Modelling*, **2017**, 42, 735-752	4.5	74
310	Complex variable moving least-squares method: a meshless approximation technique. *International Journal for Numerical Methods in Engineering*, **2007**, 70, 46-70	2.4	74
309	Modeling of van der Waals force for infinitesimal deformation of multi-walled carbon nanotubes treated as cylindrical shells. *International Journal of Solids and Structures*, **2005**, 42, 6032-6047	3.1	70
308	Finite element piezothermoelasticity analysis and the active control of FGM plates with integrated piezoelectric sensors and actuators. *Computational Mechanics*, **2003**, 31, 350-358	4	69
307	Buckling of Monosymmetric I-Beams under Moment Gradient. *Journal of Structural Engineering*, **1986**, 112, 781-799	3	69
306	Axisymmetric postbuckling analysis of size-dependent functionally graded annular microplates using the physical neutral plane. *International Journal of Engineering Science*, **2014**, 81, 66-81	5.7	68
305	Electro-mechanical frictionless contact behavior of a functionally graded piezoelectric layered half-plane under a rigid punch. *International Journal of Solids and Structures*, **2008**, 45, 3313-3333	3.1	68
304	Elastic Stability of Tapered I-Beams. *Journal of the Structural Division*, **1972**, 98, 713-728		68
303	Postbuckling of internal pressure loaded FGM cylindrical shells surrounded by an elastic medium. *European Journal of Mechanics, A/Solids*, **2010**, 29, 448-460	3.7	66
302	Nonlinear analysis of corrugated plates using a FSDT and a meshfree method. *Computer Methods in Applied Mechanics and Engineering*, **2007**, 196, 2358-2376	5.7	66
301	Analysis of stiffened corrugated plates based on the FSDT via the mesh-free method. *International Journal of Mechanical Sciences*, **2007**, 49, 364-378	5.5	65
300	Three-dimensional asymptotic approach to inhomogeneous and laminated piezoelectric plates. *International Journal of Solids and Structures*, **2000**, 37, 3153-3175	3.1	65
299	Analytical buckling solutions for mindlin plates involving free edges. *International Journal of Mechanical Sciences*, **1996**, 38, 1127-1138	5.5	64
298	Dynamic behaviour of edge-cracked shear deformable functionally graded beams on an elastic foundation under a moving load. *Composite Structures*, **2011**, 93, 2992-3001	5.3	60
297	Nonlinear dynamic response of a functionally graded plate with a through-width surface crack. *Nonlinear Dynamics*, **2010**, 59, 207-219	5	60
296	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	3.1	60
295	Dynamic stability of laminated FGM plates based on higher-order shear deformation theory. *Computational Mechanics*, **2004**, 33, 305-315	4	59
294	Influence of imperfect interfaces on bending and vibration of laminated composite shells. *International Journal of Solids and Structures*, **2000**, 37, 2127-2150	3.1	59

293	Buckling of rectangular mindlin plates with internal line supports. *International Journal of Solids and Structures*, **1993**, 30, 1-17	3.1	59
292	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	1.9	57
291	VIBRATION OF INITIALLY STRESSED MICRO- AND NANO-BEAMS. *International Journal of Structural Stability and Dynamics*, **2007**, 07, 555-570	1.9	57
290	Numerical simulation of structural behaviour of transmission towers. *Thin-Walled Structures*, **2003**, 41, 167-177	4.7	55
289	Dynamic instability of functionally graded porous arches reinforced by graphene platelets. *Thin-Walled Structures*, **2020**, 147, 106491	4.7	55
288	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	3.4	55
287	A boundary element-free method (BEFM) for three-dimensional elasticity problems. *Computational Mechanics*, **2005**, 36, 13-20	4	54
286	Nonlinear analysis of transmission towers. *Engineering Structures*, **1992**, 14, 139-151	4.7	54
285	Effect of Bolt Slippage on Ultimate Behavior of Lattice Structures. *Journal of Structural Engineering*, **1994**, 120, 2281-2287	3	53
284	Nonlinear Analysis of Thin-Walled Structures Using Least Element/Member. *Journal of Structural Engineering*, **1990**, 116, 215-234	3	53
283	Analyzing the 2D fracture problems via the enriched boundary element-free method. *International Journal of Solids and Structures*, **2007**, 44, 4220-4233	3.1	52
282	Exact solutions for vibration of cylindrical shells with intermediate ring supports. *International Journal of Mechanical Sciences*, **2002**, 44, 1907-1924	5.5	52
281	Buckling Properties of Monosymmetric I-Beams. *Journal of the Structural Division*, **1980**, 106, 941-957		52
280	Experimental study of perforated yielding shear panel device for passive energy dissipation. *Journal of Constructional Steel Research*, **2013**, 91, 14-25	3.8	51
279	Geometrical nonlinear free vibration of multi-layered graphene sheets. *Journal Physics D: Applied Physics*, **2011**, 44, 135401	3	51
278	Vibration analysis of corrugated Reissner–Mindlin plates using a mesh-free Galerkin method. *International Journal of Mechanical Sciences*, **2009**, 51, 642-652	5.5	51
277	Factors affecting the design and construction of Lamella suspen-dome systems. *Journal of Constructional Steel Research*, **2005**, 61, 764-785	3.8	51
276	Buckling and Vibration of Thick Laminates on Pasternak Foundations. *Journal of Engineering Mechanics - ASCE*, **1996**, 122, 54-63	2.4	51

275	VIBRATION ANALYSIS OF RECTANGULAR MINDLIN PLATES RESTING ON ELASTIC EDGE SUPPORTS. *Journal of Sound and Vibration*, **1997**, 204, 1-16	3.9	50
274	Nonlinear Finite Element Analysis of Angle and Tee Beam-Columns. *Journal of Structural Engineering*, **1987**, 113, 721-739	3	50
273	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	49
272	Membrane Analogy of Buckling and Vibration of Inhomogeneous Plates. *Journal of Engineering Mechanics - ASCE*, **1999**, 125, 1293-1297	2.4	49
271	Low-velocity impact response of geometrically nonlinear functionally graded graphene platelet-reinforced nanocomposite plates. *Nonlinear Dynamics*, **2019**, 95, 2333-2352	5	47
270	Upgrading of transmission towers using a diaphragm bracing system. *Engineering Structures*, **2004**, 26, 735-744	4.7	46
269	Imperfection sensitivity of postbuckling behaviour of functionally graded carbon nanotube-reinforced composite beams. *Thin-Walled Structures*, **2016**, 108, 225-233	4.7	46
268	Formulation of Mindlin-Engesser model for stiffened plate vibration. *Computer Methods in Applied Mechanics and Engineering*, **1995**, 120, 339-353	5.7	45
267	Sliding frictional contact analysis of functionally graded piezoelectric layered half-plane. *Acta Mechanica*, **2010**, 209, 249-268	2.1	44
266	Elasto-plastic large deformation analysis of thin-walled structures. *Engineering Structures*, **1990**, 12, 28-36	4.7	44
265	Thermal-mechanical-electrical buckling behavior of functionally graded micro-beams based on modified couple stress theory. *Composite Structures*, **2018**, 202, 625-634	5.3	43
264	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	4.5	43
263	POSTBUCKLING OF NANO RODS/TUBES BASED ON NONLOCAL BEAM THEORY. *International Journal of Applied Mechanics*, **2009**, 01, 259-266	2.4	43
262	Numerical aspects for free vibration of thick plates part I: Formulation and verification. *Computer Methods in Applied Mechanics and Engineering*, **1998**, 156, 15-29	5.7	43
261	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	5.5	43
260	Buckling analysis of triple-walled carbon nanotubes embedded in an elastic matrix. *Journal of Applied Physics*, **2005**, 97, 114318	2.5	43
259	Buckling solutions for Mindlin plates of various shapes. *Engineering Structures*, **1994**, 16, 119-127	4.7	42
258	Free vibration and buckling analyses of edge-cracked functionally graded multilayer graphene nanoplatelet-reinforced composite beams resting on an elastic foundation. *Journal of Sound and Vibration*, **2019**, 458, 89-108	3.9	40

257	Nonlinear vibration of piezoelectric nanoplates using nonlocal Mindlin plate theory. *Mechanics of Advanced Materials and Structures*, **2018**, 25, 1252-1264	1.8	40
256	Nonlinear free vibration of cracked functionally graded graphene platelet-reinforced nanocomposite beams in thermal environments. *Journal of Sound and Vibration*, **2020**, 468, 115115	3.9	40
255	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	5.3	39
254	Large amplitude vibration of functionally graded graphene nanocomposite annular plates in thermal environments. *Composite Structures*, **2020**, 239, 112047	5.3	39
253	Tensile behavior of polymer nanocomposite reinforced with graphene containing defects. *European Polymer Journal*, **2018**, 98, 475-482	5.2	39
252	Timoshenko curved beam bending solutions in terms of Euler-Bernoulli solutions. *Archive of Applied Mechanics*, **1997**, 67, 179-190	2.2	38
251	Flexural vibration of shear deformable circular and annular plates on ring supports. *Computer Methods in Applied Mechanics and Engineering*, **1993**, 110, 301-315	5.7	38
250	Nonlinear dynamic buckling of functionally graded porous beams. *Mechanics of Advanced Materials and Structures*, **2021**, 28, 418-429	1.8	38
249	Three-dimensional free vibration and bending analyses of functionally graded graphene nanoplatelets-reinforced nanocomposite annular plates. *Composite Structures*, **2019**, 229, 111453	5.3	37
248	Exact buckling solutions for composite laminates: proper free edge conditions under in-plane loadings. *Acta Mechanica*, **1996**, 117, 115-128	2.1	37
247	Critical examination of midplane and neutral plane formulations for vibration analysis of FGM beams. *Engineering Structures*, **2017**, 130, 275-281	4.7	36
246	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	5.5	36
245	Transverse Vibration of Thick Annular Sector Plates. *Journal of Engineering Mechanics - ASCE*, **1993**, 119, 1579-1599	2.4	36
244	Shooting–optimization technique for large deflection analysis of structural members. *Engineering Structures*, **1992**, 14, 231-240	4.7	36
243	Inelastic experiments on angle and tee struts. *Journal of Constructional Steel Research*, **1986**, 6, 219-236	3.8	36
242	Wave propagation characteristics in magneto-electro-elastic nanoshells using nonlocal strain gradient theory. *Composite Structures*, **2018**, 199, 10-23	5.3	36
241	Resonance frequency response of geometrically nonlinear micro-switches under electrical actuation. *Journal of Sound and Vibration*, **2012**, 331, 3397-3411	3.9	35
240	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	2.2	35

239	Frictionless contact analysis of a functionally graded piezoelectric layered half-plane. *Smart Materials and Structures*, **2008**, 17, 025003	3.4	35
238	Analyzing the interaction between collinear interfacial cracks by an efficient boundary element-free method. *International Journal of Engineering Science*, **2006**, 44, 37-48	5.7	35
237	Elastoplastic Nonlinear Analysis of Flexibly Jointed Space Frames. *Journal of Structural Engineering*, **1992**, 118, 108-127	3	35
236	Tensile property enhancement of defective graphene/epoxy nanocomposite by hydrogen functionalization. *Composite Structures*, **2019**, 224, 111079	5.3	34
235	Probabilistic stability analysis of functionally graded graphene reinforced porous beams. *Aerospace Science and Technology*, **2020**, 98, 105738	4.9	34
234	Axisymmetric Buckling of Circular Mindlin Plates with Ring Supports. *Journal of Structural Engineering*, **1993**, 119, 782-793	3	34
233	Reply to Comments on Boundary element-free method (BEFM) and its application to two-dimensional elasticity problems by Zhigang Chen, International Journal for Numerical Methods in Engineering 2008; 74:347348. *International Journal for Numerical Methods in Engineering*, **2009**, 78, 1258-1260	2.4	33
232	Modelling of cold-formed purlin-sheeting systems Part 1: Full model. *Thin-Walled Structures*, **1997**, 27, 223-243	4.7	33
231	Modelling of cold-formed purlin-sheeting systems Part 2. Simplified model. *Thin-Walled Structures* , **1997**, 27, 263-286	4.7	33
230	Boundary element-free method for fracture analysis of 2-D anisotropic piezoelectric solids. *International Journal for Numerical Methods in Engineering*, **2007**, 69, 729-749	2.4	33
229	Free vibration of cantilevered arbitrary triangular Mindlin plates. *International Journal of Mechanical Sciences*, **1996**, 38, 431-442	5.5	33
228	Vibration of Rectangular Mindlin Plates with Intermediate Stiffeners. *Journal of Vibration and Acoustics, Transactions of the ASME*, **1994**, 116, 529-535	1.6	33
227	Free vibration of geometrically nonlinear micro-switches under electrostatic and Casimir forces. *Smart Materials and Structures*, **2010**, 19, 115028	3.4	32
226	Three-dimensional exact solution for inhomogeneous and laminated piezoelectric plates. *International Journal of Engineering Science*, **1999**, 37, 1425-1439	5.7	32
225	Free vibration of isosceles triangular mindlin plates. *International Journal of Mechanical Sciences*, **1993**, 35, 89-102	5.5	32
224	Vibration of cantilevered laminated composite shallow conical shells. *International Journal of Solids and Structures*, **1998**, 35, 1695-1707	3.1	31
223	On stability of monosymmetric cantilevers. *Engineering Structures*, **1986**, 8, 169-180	4.7	31
222	Buckling Capacities of Monosymmetric I-Beams. *Journal of Structural Engineering*, **1986**, 112, 2373-2391	3	31

221	Unilateral and bilateral buckling of functionally graded corrugated thin plates reinforced with graphene nanoplatelets. *Composite Structures*, **2019**, 209, 789-801	5.3	31
220	Inelastic buckling of single-angle, tee and double-angle struts. *Journal of Constructional Steel Research*, **1986**, 6, 3-20	3.8	30
219	Geometric and material nonlinear analysis of structures comprising rectangular hollow sections. *Engineering Structures*, **1988**, 10, 13-23	4.7	30
218	Buckling and post-buckling analyses of size-dependent piezoelectric nanoplates. *Theoretical and Applied Mechanics Letters*, **2016**, 6, 253-267	1.8	28
217	Mindlin Plate Buckling with Prebuckling In-Plane Deformation. *Journal of Engineering Mechanics - ASCE*, **1993**, 119, 1-18	2.4	28
216	Inelastic Post-Buckling Behavior of Tubular Struts. *Journal of Structural Engineering*, **1988**, 114, 1091-1105	3	28
215	Experimental study on bistable behaviour of anti-symmetric laminated cylindrical shells in thermal environments. *Composite Structures*, **2016**, 144, 24-32	5.3	27
214	Analysis of the pseudoelastic behavior of a SMA beam by the element-free Galerkin method. *Engineering Analysis With Boundary Elements*, **2004**, 28, 497-507	2.6	27
213	Inelastic beam buckling experiments. *Journal of Constructional Steel Research*, **1983**, 3, 3-9	3.8	27
212	A continuum model for zigzag single-walled carbon nanotubes. *Applied Physics Letters*, **2005**, 86, 083110	3.4	26
211	Cyclic and seismic response of flexibly jointed frames. *Engineering Structures*, **1994**, 16, 249-255	4.7	26
210	Elasto-Plastic Finite Element Models for Angle Steel Frames. *Journal of Structural Engineering*, **1990**, 116, 2567-2581	3	26
209	Electro-dynamic behavior of an electrically actuated micro-beam: Effects of initial curvature and nonlinear deformation. *Computers and Structures*, **2012**, 96-97, 25-33	4.5	25
208	Pinching hysteretic response of yielding shear panel device. *Engineering Structures*, **2011**, 33, 993-1000	4.7	25
207	Buckling of Vertical Cylindrical Shells Under Combined End Pressure and Body Force. *Journal of Engineering Mechanics - ASCE*, **2003**, 129, 876-884	2.4	25
206	Single mode Lamb waves in composite laminated plates generated by piezoelectric transducers. *Composite Structures*, **2002**, 58, 381-396	5.3	25
205	Flexural Vibration of an Atomic Force Microscope Cantilever Based on Modified Couple Stress Theory. *International Journal of Structural Stability and Dynamics*, **2015**, 15, 1540025	1.9	24
204	Thermoelastic instability of functionally graded materials with interaction of frictional heat and contact resistance. *Mechanics Based Design of Structures and Machines*, **2018**, 46, 139-156	1.7	24

203	Free Vibration Analysis of Folded Plate Structures by the FSDT Mesh-free Method. *Computational Mechanics*, **2007**, 39, 799-814	4	24
202	Nonlinear Theory for Composite Laminated Shells With Interfacial Damage. *Journal of Applied Mechanics, Transactions ASME*, **1998**, 65, 711-718	2.7	24
201	Primary and secondary resonances of functionally graded graphene platelet-reinforced nanocomposite beams. *Nonlinear Dynamics*, **2019**, 95, 1807-1826	5	24
200	Coupled free vibration of a functionally graded pre-twisted blade-shaft system reinforced with graphene nanoplatelets. *Composite Structures*, **2021**, 262, 113362	5.3	24
199	Nonlinear dynamic analysis of composite piezoelectric plates with graphene skin. *Composite Structures*, **2018**, 206, 839-852	5.3	24
198	Thermal effect on the pull-in instability of functionally graded micro-beams subjected to electrical actuation. *Composite Structures*, **2014**, 116, 136-146	5.3	23
197	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	2.4	23
196	Buckling characteristics of embedded multi-walled carbon nanotubes. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2005**, 461, 3785-3805	2.4	23
195	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
194	Vibration of Mindlin Plates on Point Supports Using Constraint Functions. *Journal of Engineering Mechanics - ASCE*, **1994**, 120, 499-513	2.4	23
193	A global approach for vibration of thick trapezoidal plates. *Computers and Structures*, **1994**, 53, 83-92	4.5	23
192	Thermo-electro-mechanical postbuckling of piezoelectric FG-CNTRC beams with geometric imperfections. *Smart Materials and Structures*, **2016**, 25, 095022	3.4	23
191	Bistable behaviour and microstructure characterization of carbon fiber/epoxy resin anti-symmetric laminated cylindrical shell after thermal exposure. *Composites Science and Technology*, **2017**, 138, 91-97	8.6	22
190	Effects of Reorientation of Graphene Platelets (GPLs) on Young's Modulus of Polymer Nanocomposites under Uni-Axial Stretching. *Polymers*, **2017**, 9,	4.5	22
189	Free Vibration of Pretwisted, Cantilevered Composite Shallow Conical Shells. *AIAA Journal*, **1997**, 35, 327-333	2.1	22
188	A free-vibration analysis of doubly connected super-elliptical laminated composite plates. *Composites Science and Technology*, **1998**, 58, 435-445	8.6	22
187	Free vibration of cantilevered symmetrically laminated thick trapezoidal plates. *International Journal of Mechanical Sciences*, **1999**, 41, 685-702	5.5	22
186	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	5.7	22

185	Vibration of stiffened skew Mindlin plates. *Acta Mechanica*, **1995**, 112, 11-28	2.1	22
184	Finite Element Method for Buckling Analysis of Plate Structures. *Journal of Structural Engineering*, **1993**, 119, 1048-1068	3	22
183	Vibration Analysis of Corner Supported Mindlin Plates of Arbitrary Shape Using the Lagrange Multiplier Method. *Journal of Sound and Vibration*, **1994**, 173, 457-470	3.9	22
182	Single-equation yield surfaces for monosymmetric and asymmetric sections. *Engineering Structures*, **1991**, 13, 366-370	4.7	22
181	The quasi-static cyclic behaviour of CFRP-to-concrete bonded joints: An experimental study and a damage plasticity model. *Engineering Structures*, **2017**, 153, 43-56	4.7	21
180	Wave propagation in viscoelastic phononic crystal rods with internal resonators. *Applied Acoustics*, **2018**, 141, 382-392	3.1	21
179	Parametric instability of functionally graded beams with an open edge crack under axial pulsating excitation. *Composite Structures*, **2011**, 93, 1801-1808	5.3	21
178	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	2.4	21
177	THERMAL STRESSES AROUND A CIRCULAR HOLE IN A FUNCTIONALLY GRADED PLATE. *Journal of Thermal Stresses*, **2003**, 26, 379-390	2.2	21
176	Buckling of skew mindlin plates subjected to in-plane shear loadings. *International Journal of Mechanical Sciences*, **1995**, 37, 1089-1101	5.5	21
175	Nonlinear dynamic response of an edge-cracked functionally graded Timoshenko beam under parametric excitation. *Nonlinear Dynamics*, **2012**, 67, 527-540	5	20
174	Free Vibration Analysis of Thick Superelliptical Plates. *Journal of Engineering Mechanics - ASCE*, **1998**, 124, 137-145	2.4	20
173	Modelling of Lamb waves in composite laminated plates excited by interdigital transducers. *NDT and E International*, **2002**, 35, 437-447	4.1	20
172	Multi-dimensional superelastic behavior of shape memory alloys via nonlinear finite element method. *Engineering Structures*, **2002**, 24, 51-57	4.7	20
171	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	20
170	Parametric study on distortional buckling of monosymmetric beam-columns. *Journal of Constructional Steel Research*, **1991**, 18, 89-110	3.8	20
169	Transverse vibration of thick rectangular plates□. Inclusion of oblique internal line supports. *Computers and Structures*, **1993**, 49, 31-58	4.5	20
168	Stiffness Requirements for Cross Bracing. *Journal of Structural Engineering*, **1986**, 112, 2702-2707	3	20

167	Buckling and Bracing of Cantilevers. *Journal of Structural Engineering*, **1984**, 110, 2250-2262	3	20
166	Improving interfacial shear strength between graphene sheets by strain-induced wrinkles. *Carbon*, **2020**, 168, 135-143	10.4	19
165	Forced Vibration of Electrically Actuated FGM Micro-Switches. *Procedia Engineering*, **2011**, 14, 280-287		19
164	FREE VIBRATION OF SHEAR-DEFORMABLE GENERAL TRIANGULAR PLATES. *Journal of Sound and Vibration*, **1997**, 199, 595-613	3.9	19
163	Modelling the input–output behaviour of piezoelectric structural health monitoring systems for composite plates. *Smart Materials and Structures*, **2003**, 12, 836-844	3.4	19
162	Vibration of open cylindrical shells: A three-dimensional elasticity approach. *Journal of the Acoustical Society of America*, **1998**, 104, 1436-1443	2.2	19
161	Elasto-Plastic Analysis of Box-Beam-Columns Including Local Buckling Effects. *Journal of Structural Engineering*, **1991**, 117, 1946-1962	3	19
160	Inelastic Buckling of Welded Monosymmetric I-Beams. *Journal of Structural Engineering*, **1987**, 113, 740-756	3	19
159	Mechanical Analysis of Functionally Graded Porous Structures: A Review. *International Journal of Structural Stability and Dynamics*, **2020**, 20, 2041015	1.9	19
158	Dynamic Instability of Nanorods/Nanotubes Subjected to an End Follower Force. *Journal of Engineering Mechanics - ASCE*, **2010**, 136, 1054-1058	2.4	18
157	Vibration of Laminated Plates Having Elastic Edge Flexibilities. *Journal of Engineering Mechanics - ASCE*, **1997**, 123, 1012-1019	2.4	18
156	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	5.7	18
155	Stability criteria for Timoshenko columns with intermediate and end concentrated axial loads. *Journal of Constructional Steel Research*, **2002**, 58, 1177-1193	3.8	18
154	Vibration of Timoshenko Beams with Internal Hinge. *Journal of Engineering Mechanics - ASCE*, **2003**, 129, 293-301	2.4	18
153	Stability of thin-walled members having arbitrary flange shape and flexible web. *Engineering Structures*, **1992**, 14, 121-132	4.7	18
152	Transverse vibration of thick rectangular plates IV. Influence of isotropic in-plane pressure. *Computers and Structures*, **1993**, 49, 69-78	4.5	18
151	Nonlinear finite element analysis of latticed transmission towers. *Engineering Structures*, **1993**, 15, 259-269	4.7	18
150	Lateral buckling of tee beams under moment gradient. *Computers and Structures*, **1986**, 23, 69-76	4.5	18

149	Nonlinear Dynamic Response of FG Graphene Platelets Reinforced Composite Beam with Edge Cracks in Thermal Environment. *International Journal of Structural Stability and Dynamics*, **2020**, 20, 2043005	1.9	18
148	Pull-in analysis of electrostatically actuated curved micro-beams with large deformation. *Smart Materials and Structures*, **2010**, 19, 065030	3.4	17
147	Vibration of arbitrarily laminated plates of general trapezoidal planform. *Journal of the Acoustical Society of America*, **1996**, 100, 3674-3685	2.2	17
146	Thermal buckling and postbuckling of edge-cracked functionally graded multilayer graphene nanocomposite beams on an elastic foundation. *International Journal of Mechanical Sciences*, **2019**, 161-162, 105040	5.5	16
145	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	10	16
144	A semi-analytic approach for the nonlinear dynamic response of circular plates. *Applied Mathematical Modelling*, **2009**, 33, 4303-4313	4.5	16
143	Relationships between Buckling Loads of Kirchhoff, Mindlin, and Reddy Polygonal Plates on Pasternak Foundation. *Journal of Engineering Mechanics - ASCE*, **1997**, 123, 1134-1137	2.4	16
142	A semi-analytical solution for vibration of rectangular plates with abrupt thickness variation. *International Journal of Solids and Structures*, **2001**, 38, 4937-4954	3.1	16
141	Buckling Solutions of Rectangular Mindlin Plates under Uniform Shear. *Journal of Engineering Mechanics - ASCE*, **1994**, 120, 2462-2470	2.4	16
140	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	16
139	Buckling of Inelastic I-Beams Under Moment Gradient. *Journal of the Structural Division*, **1975**, 101, 991-1004		16
138	Folded assembly methods for thin-walled steel structures. *Journal of Constructional Steel Research*, **2017**, 138, 235-245	3.8	15
137	FREE VIBRATION OF SYMMETRICALLY LAMINATED THICK-PERFORATED PLATES. *Journal of Sound and Vibration*, **2000**, 230, 111-132	3.9	15
136	Dynamic response of flexibly jointed frames. *Engineering Structures*, **1995**, 17, 575-580	4.7	15
135	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	2.2	15
134	Nonlinear vibration of edged cracked FGM beams using differential quadrature method. *Science China: Physics, Mechanics and Astronomy*, **2012**, 55, 2114-2121	3.6	14
133	BUCKLING OF NANO-RINGS/ARCHES BASED ON NONLOCAL ELASTICITY. *International Journal of Applied Mechanics*, **2012**, 04, 1250025	2.4	14
132	Flexural waves transmitted by rectangular piezoceramic transducers. *Smart Materials and Structures*, **2001**, 10, 681-688	3.4	14

131	VIBRATION OF SYMMETRICALLY LAMINATED THICK SUPER ELLIPTICAL PLATES. *Journal of Sound and Vibration*, **1999**, 220, 659-682	3.9	14
130	Vibration of circular and annular Mindlin plates with internal ring stiffeners. *Journal of the Acoustical Society of America*, **1996**, 100, 3696-3705	2.2	14
129	Stability of Skew Mindlin Plates under Isotropic In-Plane Pressure. *Journal of Engineering Mechanics - ASCE*, **1993**, 119, 393-401	2.4	14
128	Nonlinear dynamic analysis of lattice structures. *Computers and Structures*, **1994**, 52, 9-15	4.5	14
127	Buckling of braced monosymmetric cantilevers. *International Journal of Mechanical Sciences*, **1987**, 29, 321-337	5.5	14
126	Design of Single Angle Web Struts in Trusses. *Journal of Structural Engineering*, **1986**, 112, 1327-1345	3	14
125	Free vibration of variable thickness FGM beam submerged in fluid. *Composite Structures*, **2020**, 233, 111582	5.5	14
124	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,	2.7	13
123	Bending analysis of folded plates by the FSDT meshless method. *Thin-Walled Structures*, **2006**, 44, 1138-1160	4.7	13
122	Buckling of Restrained Columns with Shear Deformation and Axial Shortening. *Journal of Engineering Mechanics - ASCE*, **1991**, 117, 1973-1989	2.4	13
121	Thermoelastic instability of functionally graded coating with arbitrarily varying properties considering contact resistance and frictional heat. *Applied Mathematical Modelling*, **2017**, 43, 521-537	4.5	12
120	Bifurcation of pressurized functionally graded elastomeric hollow cylinders. *Composites Part B: Engineering*, **2017**, 109, 259-276	10	12
119	Prestressed composite laminates featuring interlaminar imperfection. *International Journal of Mechanical Sciences*, **2000**, 42, 425-443	5.5	12
118	Reflection of plate waves at the fixed edge of a composite plate. *Journal of the Acoustical Society of America*, **1995**, 98, 644-651	2.2	12
117	Non-linear analysis of thin-walled structures using plate elements. *International Journal for Numerical Methods in Engineering*, **1994**, 37, 1697-1711	2.4	12
116	The coupled thermoelastic instability of FGM coatings with arbitrarily varying properties: in-plane sliding. *Acta Mechanica*, **2018**, 229, 2979-2995	2.1	11
115	Stiffness and Strength Of Perforated Steel Plate Shear Wall. *Procedia Engineering*, **2011**, 14, 675-679		11
114	Exact solutions for axisymmetric bending of continuous annular plates. *Computers and Structures*, **1997**, 63, 455-464	4.5	11

113	Exact Buckling Solutions For Rectangular Plates Under Intermediate and End Uniaxial Loads. *Journal of Engineering Mechanics - ASCE*, **2003**, 129, 835-838	2.4	11
112	Bending of linearly tapered annular Mindlin plates. *International Journal of Mechanical Sciences*, **2001**, 43, 265-278	5.5	11
111	Research developments in analyses of plates and shells. *Journal of Constructional Steel Research*, **1993**, 26, 231-248	3.8	11
110	Experimental Investigation of Anchor Bolts under Shear. *Journal of Structural Engineering*, **1990**, 116, 910-921	3	11
109	Comparative Accuracy of Shallow and Deep Shell Theories for Vibration of Cylindrical Shells. *JVC/Journal of Vibration and Control*, **1997**, 3, 119-143	2	10
108	Relationship Between Vibration Frequencies of Reddy and Kirchhoff Polygonal Plates With Simply Supported Edges. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2000**, 122, 77-81	1.6	10
107	Navier's solution for laminated plate buckling with prebuckling in-plane deformation. *International Journal of Solids and Structures*, **1996**, 33, 1921-1937	3.1	10
106	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
105	A dynamic homogenization model for long-wavelength wave propagation in corrugated sandwich plates. *International Journal of Mechanical Sciences*, **2018**, 149, 27-37	5.5	10
104	Exact and Nonlocal Solutions for Vibration of Axial Lattice with Direct and Indirect Neighboring Interactions. *Journal of Engineering Mechanics - ASCE*, **2018**, 144, 04018025	2.4	9
103	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	9
102	Bending Analysis of Folded Laminated Plates by the FSDT Meshfree Method. *Procedia Engineering*, **2011**, 14, 2714-2721		9
101	Characterization of FGM micro-switches under electrostatic and Casimir forces. *IOP Conference Series: Materials Science and Engineering*, **2010**, 10, 012178	0.4	9
100	Thermo-Mechanical Analysis of an Inhomogeneous Double-Layer Coating System under Hertz Pressure and Tangential Traction. *Mechanics of Advanced Materials and Structures*, **2009**, 16, 308-318	1.8	9
99	Analysis of acousto-ultrasonic characteristics for contact-type transducers coupled to composite laminated plates. *International Journal of Mechanical Sciences*, **2001**, 43, 1441-1456	5.5	9
98	Experimental investigation of the acousto-ultrasonic transfer characteristics of adhesively bonded piezoceramic transducers. *Smart Materials and Structures*, **2000**, 9, 19-23	3.4	9
97	The influence of backward wave transmission on quantitative ultrasonic evaluation using Lamb wave propagation. *Journal of the Acoustical Society of America*, **2000**, 107, 306-14	2.2	9
96	Exact Bending Solution of Inhomogeneous Plates from Homogeneous Thin-Plate Deflection. *AIAA Journal*, **2000**, 38, 1289-1291	2.1	9

95	Buckling of triangular Mindlin plates under isotropic inplane compression. *Acta Mechanica*, **1994**, 102, 123-135	2.1	9
94	Buckling of Suspended I-Beams. *Journal of Structural Engineering*, **1990**, 116, 1877-1891	3	9
93	Closure to "Buckling of Monosymmetric I-Beams Under Moment Gradient" by Sritawat Kitipornchai, Chien Ming Wang, and Nicholas S. Trahair (April, 1986, Vol. 112, No. 4). *Journal of Structural Engineering*, **1987**, 113, 1391-1395	3	9
92	Peeling mechanics of hyperelastic beams: Bending effect. *International Journal of Solids and Structures*, **2019**, 167, 184-191	3.1	8
91	Nonlinear Vibration of PZT4/PZT-5H Monomorph and Bimorph Beams with Graded Microstructures. *International Journal of Structural Stability and Dynamics*, **2015**, 15, 1540015	1.9	8
90	BI-STABLE ANALYSES OF LAMINATED FGM SHELLS. *International Journal of Structural Stability and Dynamics*, **2012**, 12, 311-335	1.9	8
89	Exact eigenvalue correspondences between laminated plate theories via membrane vibration. *International Journal of Solids and Structures*, **2000**, 37, 2253-2264	3.1	8
88	A non-discretized global method for free vibration of generally laminated fibre-reinforced pre-twisted cantilever plates. *Computational Mechanics*, **2000**, 26, 197-207	4	8
87	Vibration of unsymmetrically laminated thick quadrilateral plates. *Journal of the Acoustical Society of America*, **1999**, 105, 1672-1681	2.2	8
86	Frequency relationship between levinson plates and classical thin plates. *Mechanics Research Communications*, **1999**, 26, 687-692	2.2	8
85	Optimal locations of point supports in plates for maximum fundamental frequency. *Structural Optimization*, **1996**, 11, 170-177		8
84	Eccentrically Connected Cleat Plates in Compression. *Journal of Structural Engineering*, **1993**, 119, 767-781	3	8
83	Flexural Vibration Of Skew Mindlin Plates With Oblique Internal Line Supports. *Journal of Sound and Vibration*, **1994**, 178, 535-551	3.9	8
82	Stability of cold-formed members. *Engineering Structures*, **1994**, 16, 386-392	4.7	8
81	Transverse vibration of thick rectangular plates—II. Effects of multiple eccentric internal ring supports. *Computers and Structures*, **1993**, 49, 59-67	4.5	8
80	Elastic Buckling of Laterally Continuous I-Beams. *Journal of the Structural Division*, **1982**, 108, 2099-2116		8
79	Surface effect on the contact problem of a piezoelectric half-plane. *International Journal of Solids and Structures*, **2020**, 185-186, 380-393	3.1	8
78	Interactive analysis and design of cold-formed steel cladding system. *Journal of Constructional Steel Research*, **2004**, 60, 1409-1423	3.8	7

77	Shear buckling of simply supported skew Mindlin plates. *AIAA Journal*, **1995**, 33, 377-378	2.1	7
76	Optimal design of tapered beams for maximum buckling strength. *Engineering Structures*, **1986**, 8, 276-284	4.7	7
75	Partially braced inelastic beam buckling experiments. *Journal of Constructional Steel Research*, **1987**, 7, 189-211	3.8	7
74	Out-of-Plane Buckling Formulas for Beam-Columns/Tie-Beams. *Journal of Structural Engineering*, **1988**, 114, 2773-2789	3	7
73	Buckling Approximations for Inelastic Beams. *Journal of Structural Engineering*, **1984**, 110, 559-574	3	7
72	Torsional-flexural buckling of angles: A parametric study. *Journal of Constructional Steel Research*, **1983**, 3, 27-31	3.8	7
71	Optimal locations of point supports in laminated rectangular plates for maximum fundamental frequency. *Structural Engineering and Mechanics*, **1997**, 5, 691-703		7
70	Variational modeling of plane-strain hyperelastic thin beams with thickness-stretching effect. *Acta Mechanica*, **2018**, 229, 4845-4861	2.1	7
69	Analysis of Symmetrically Laminated Folded Plate Structures Using the Meshfree Galerkin Method. *Mechanics of Advanced Materials and Structures*, **2009**, 16, 69-81	1.8	6
68	Nonlinear local bending of FGM sandwich plates. *Journal of Mechanics of Materials and Structures*, **2008**, 3, 1977-1992	1.2	6
67	Transient bending of a piezoelectric circular plate. *International Journal of Mechanical Sciences*, **2004**, 46, 1845-1859	5.5	6
66	Buckling of columns: Allowance for axial shortening. *International Journal of Mechanical Sciences*, **1991**, 33, 613-622	5.5	6
65	Nonlinear analysis of lattice structures. *Journal of Constructional Steel Research*, **1992**, 23, 209-225	3.8	6
64	Optimal Designs of I-Beams against Lateral Buckling. *Journal of Engineering Mechanics - ASCE*, **1990**, 116, 1902-1923	2.4	6
63	Limit Analysis of Welded Tee End Connections for Hollow Tubes. *Journal of Structural Engineering*, **1990**, 116, 2309-2323	3	6
62	Buckling and free vibration of axially functionally graded graphene reinforced nanocomposite beams. *Engineering Structures*, **2021**, 249, 113327	4.7	6
61	Temperature-dependent mechanical properties of defective graphene reinforced polymer nanocomposite. *Mechanics of Advanced Materials and Structures*, **2021**, 28, 1010-1019	1.8	6
60	Effects of general laminations and boundary constraints on vibration of composite shallow shells. *Composites Part B: Engineering*, **1996**, 27, 155-171	10	5

59	Research on elastic buckling of columns, beam and plates: Focussing on formulas and design charts. *Journal of Constructional Steel Research*, **1993**, 26, 211-230	3.8	5
58	New Set of Buckling Parameters for Monosymmetric Beam-Columns/Tie-Beams. *Journal of Structural Engineering*, **1989**, 115, 1497-1513	3	5
57	A spherical smart aggregate sensor based electro-mechanical impedance method for quantitative damage evaluation of concrete. *Structural Health Monitoring*, **2020**, 19, 1560-1576	4.4	5
56	Size and Foundation Effects on the Vibration of Buckled Functionally Graded Microplates Within the Modified Couple Stress Theory Framework. *International Journal of Applied Mechanics*, **2018**, 10, 1850068	2.4	5
55	Column buckling under general loads with allowances for pre-buckling shortening and shear deformation. *Archive of Applied Mechanics*, **1992**, 62, 544-556	2.2	5
54	Nonlinear dynamic response of electro-thermo-mechanically loaded piezoelectric cylindrical shell reinforced with BNNTs. *Smart Materials and Structures*, **2012**, 21, 125005	3.4	4
53	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	4
52	OPTIMAL DESIGN OF INTERNAL RING SUPPORT FOR RECTANGULAR PLATES AGAINST VIBRATION OR BUCKLING. *Journal of Sound and Vibration*, **1996**, 193, 545-554	3.9	4
51	Bounding-surface plasticity for non-linear analysis of space structures. *International Journal for Numerical Methods in Engineering*, **1995**, 38, 797-808	2.4	4
50	Application of Trefftz theory in thin-plate buckling with in-plane pre-buckling deformations. *International Journal of Mechanical Sciences*, **1992**, 34, 681-688	5.5	4
49	Maximum response of asymmetric structures subject to A multicomponent earthquake. *Earthquake Engineering and Structural Dynamics*, **1993**, 22, 1047-1066	4	4
48	Machine learning assisted prediction of mechanical properties of graphene/aluminium nanocomposite based on molecular dynamics simulation. *Materials and Design*, **2022**, 213, 110334	8.1	4
47	Mechanical behaviours of graphene reinforced copper matrix nanocomposites containing defects. *Computational Materials Science*, **2020**, 182, 109759	3.2	4
46	Bistable characteristic of laminated shells with graded fibers. *International Journal of Mechanics and Materials in Design*, **2011**, 7, 219-229	2.5	3
45	Plastic-Buckling of Rectangular Plates under Combined Uniaxial and Shear Stresses. *Journal of Engineering Mechanics - ASCE*, **2009**, 135, 892-895	2.4	3
44	Vibration Analysis of Arbitrary Quadrilateral Unsymmetrically Laminated Thick Plates. *AIAA Journal*, **1997**, 35, 1251-1253	2.1	3
43	Buckling of intermediate ring supported cylindrical shells under axial compression. *Thin-Walled Structures*, **2005**, 43, 427-443	4.7	3
42	Analysis of Piezoelectric Sensor to Detect Flexural Waves. *Journal of Guidance, Control, and Dynamics*, **2001**, 24, 960-966	2.1	3

41	Exact Connection Between Deflections of the Classical and Shear Deformation Laminated Plate Theories. *Journal of Applied Mechanics, Transactions ASME*, **1999**, 66, 260-262	2.7	3
40	FORTRAN subroutines for mathematical operations on polynomial functions. *Computers and Structures*, **1995**, 56, 541-551	4.5	3
39	Discussion of Effect of Axial Compressibility on Buckling of Columns by Charles W. Bert (March, 1990, Vol. 116, No. 3). *Journal of Engineering Mechanics - ASCE*, **1991**, 117, 2173-2175	2.4	3
38	Vibration frequencies for elliptical and semi-elliptical Mindlin plates. *Structural Engineering and Mechanics*, **1995**, 3, 35-48		3
37	Enhanced thermal buckling resistance of folded graphene reinforced nanocomposites with negative thermal expansion: From atomistic study to continuum mechanics modelling. *Composite Structures*, **2022**, 279, 114872	5.3	3
36	Dynamic Response of Shear Deformable Functionally Graded Porous Beams. *Applied Mechanics and Materials*, **2016**, 846, 434-439	0.3	2
35	Dynamic stability of piezoelectric laminated cylindrical shells with delamination. *Journal of Intelligent Material Systems and Structures*, **2013**, 24, 1770-1781	2.3	2
34	Development of a virtual testing application for the teaching and learning of structural engineering. *IES Journal Part A: Civil and Structural Engineering*, **2010**, 3, 119-130		2
33	Buckling and spanning capacity of cantilevered vertical plates under body forces. *IES Journal Part A: Civil and Structural Engineering*, **2008**, 1, 116-122		2
32	AXISYMMETRIC VIBRATION OF CYLINDRICAL SHELLS WITH INTERMEDIATE RING SUPPORTS. *International Journal of Structural Stability and Dynamics*, **2003**, 03, 35-53	1.9	2
31	Acousto-Ultrasonic Characteristics for Contact-Type Transducers Coupled to Timoshenko Beam. *AIAA Journal*, **1998**, 36, 638-644	2.1	2
30	Benchmark vibration solutions for regular polygonal Mindlin plates. *Journal of the Acoustical Society of America*, **1995**, 97, 2866-2871	2.2	2
29	Closure to Stability of Skew Mindlin Plates under Isotropic In-Plane Pressure by C. M. Wang, S. Kitipornchai, Y. Xiang, and K. M. Liew (February, 1993, Vol. 119, No. 2). *Journal of Engineering Mechanics - ASCE*, **1994**, 120, 2247-2249	2.4	2
28	Closure to Buckling Capacities of Monosymmetric I-Beams by Chien M. Wang and Sritawat Kitipornchai (November 1986, Vol. 112, No. 11). *Journal of Structural Engineering*, **1988**, 114, 739-740	3	2
27	A new approach to teaching and learning structural analysis **2008**, 247-257		2
26	Vibration characteristics of cantilevered thick cylindrical shallow shells. *AIAA Journal*, **1996**, 34, 2451-2453	2.1	1
25	Analysis of flexural waves excited by rectangular contact type transducers. *Computer Methods in Applied Mechanics and Engineering*, **2001**, 190, 6481-6492	5.7	1
24	Analysis of acousto-ultrasonic characteristics for an isotropic thin plate. *Journal of the Acoustical Society of America*, **1999**, 105, 3318-3325	2.2	1

23	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
22	Closure to "Stiffness Requirements for Cross Bracing" by Sritawat Kitipornchai and David L. Finch (December, 1986, Vol. 112, No. 12). *Journal of Structural Engineering*, **1988**, 114, 1938-1939	3	1
21	Discussion of "Lateral Stability of I-Beams With Partial Support" by Charles W. Roeder and Mahyar Assadi (August, 1982). *Journal of Structural Engineering*, **1984**, 110, 178-181	3	1
20	Design of Diagonal Roof Bracing Rods and Tubes. *Journal of Structural Engineering*, **1985**, 111, 1068-1084	3	1
19	Pull-in instability of electrically actuated poly-SiGe graded micro-beams. *Coupled Systems Mechanics* , **2013**, 2, 215-230		1
18	Thermal Buckling and Postbuckling Analysis of Functionally Graded Concrete Slabs with Initial Imperfections. *International Journal of Structural Stability and Dynamics*, **2018**, 18, 1850142	1.9	1
17	Genetic programming-assisted micromechanical models of graphene origami-enabled metal metamaterials. *Acta Materialia*, **2022**, 228, 117791	8.4	1
16	Free vibration analysis of functionally graded graphene nanocomposite beams partially in contact with fluid. *Composite Structures*, **2022**, 291, 115609	5.3	1
15	Buckling of functionally graded hydrogen-functionalized graphene reinforced beams based on machine learning-assisted micromechanics models. *European Journal of Mechanics, A/Solids*, **2022**, 104675	3.7	1
14	Pinching Effect in Yielding Shear Panel Passive Device. *Procedia Engineering*, **2011**, 14, 241-249		
13	Differential quadrature element method for vibration analysis of plates **2007**, 322-375		
12	Cold-formed purlin-sheeting systems **2002**, 429-435		
11	Sensing characteristics of contact-type transducer for flexural waves. *International Journal of Mechanical Sciences*, **2000**, 42, 147-162	5.5	
10	Full Scale Testing of Transmission and Telecommunication Towers Using Numerical Simulation Techniques **1996**, 43-53		
9	Closure to "Finite Element Method for Buckling Analysis of Plate Structures" by Chee-Kiong Chin, Faris G. A. Al-Bermani, and Sritawat Kitipornchai (April, 1993, Vol. 119, No. 4). *Journal of Structural Engineering*, **1994**, 120, 3095-3096	3	
8	Closure to "Design of Single Angle Web Struts in Trusses" by Scott T. Woolcock and Sritawat Kitipornchai (June, 1986, Vol. 112, No. 6). *Journal of Structural Engineering*, **1987**, 113, 2103-2107	3	
7	Survey of deflection limits for portal frames in Australia. *Journal of Constructional Steel Research*, **1987**, 7, 399-417	3.8	
6	Discussion of "Buckling of Angles: State of the Art" by John B. Kennedy and Murty K. S. Madugula (September, 1982). *Journal of Structural Engineering*, **1983**, 109, 2026-2028	3	

5	Closure to "Elastic Buckling of Laterally Continuous I-Beams" by Peter F. Dux and Sritawat Kitipornchai (September, 1982). *Journal of Structural Engineering*, **1983**, 109, 2949-2951	3
4	Discussion of "Buckling of Beams with Concentrated Moments" by Peter E. Cuk and Nicholas S. Trahair (June, 1983). *Journal of Structural Engineering*, **1984**, 110, 1915-1916	3
3	Discussion of "Loss of Torsional Stiffness Caused By Beam Loading" by John J. Zahn (January, 1984). *Journal of Structural Engineering*, **1985**, 111, 2057-2058	3
2	A shearable and thickness stretchable finite strain beam model for soft structures. *Meccanica*, **2018**, 53, 3759-3777	2.1
1	Nonlinear band gap characteristics of piezo-electro-magnetic phononic crystal micro and nanobeams based on size-dependent continuum mechanics models. *Mechanics of Advanced Materials and Structures*,1-26	1.8