

# Santosh Kapuria

## List of Publications by Year in descending order

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158  
papers

3,685  
citations

136940

32  
h-index

189881

50  
g-index

162  
all docs

162  
docs citations

162  
times ranked

1392  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of transducer inertia in generation, sensing, and time-reversal process of Lamb waves in thin plates with surface-bonded piezoelectric transducers. <i>Journal of Intelligent Material Systems and Structures</i> , 2022, 33, 779-798.	2.5	2
2	Finite Element Simulation of Axisymmetric Elastic and Electroelastic Wave Propagation Using Local-Domain Wave Packet Enrichment. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2022, 144, .	1.6	7
3	Thermoelastic wave propagation in thin beams under thermal shock loading. <i>Applied Mathematical Modelling</i> , 2022, 105, 584-614.	4.2	0
4	Time-domain spectral finite element based on third-order theory for efficient modelling of guided wave propagation in beams and panels. <i>Acta Mechanica</i> , 2022, 233, 1187-1212.	2.1	7
5	Physio-Mechanical Characterization of Limestone and Dolomite for Its Application in Blast Analysis of Tunnels. <i>Journal of Engineering Mechanics - ASCE</i> , 2022, 148, .	2.9	2
6	C1-continuous time-domain spectral finite element for modeling guided wave propagation in laminated composite strips based on third-order theory. <i>Composite Structures</i> , 2022, 289, 115442.	5.8	4
7	Analytical elasticity solution for accurate prediction of localized stresses in laminated composites under patch loading. <i>European Journal of Mechanics, A/Solids</i> , 2022, 95, 104624.	3.7	3
8	Recent advances in experimental and numerical methods for dynamic analysis of floating offshore wind turbines – An integrated review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 164, 112525.	16.4	34
9	An efficient Lamb wave-based virtual refined time-reversal method for damage localization in plates using broadband measurements. <i>Ultrasonics</i> , 2022, 124, 106767.	3.9	19
10	Time reversibility of Lamb waves in thin plates with surface-bonded piezoelectric transducers is temperature invariant at the best reconstruction frequency. <i>Structural Health Monitoring</i> , 2021, 20, 2626-2640.	7.5	6
11	Thermoelectroelastic shock waves in piezoelectric media: An enriched finite element solution based on generalized piezothermoelasticity. <i>Mechanics of Advanced Materials and Structures</i> , 2021, 28, 2267-2279.	2.6	4
12	A coupled efficient layerwise finite element model for free vibration analysis of smart piezo-bonded laminated shells featuring delaminations and transducer debonding. <i>International Journal of Mechanical Sciences</i> , 2021, 194, 106195.	6.7	12
13	A C <sup>1</sup> -continuous time domain spectral finite element for wave propagation analysis of Euler-Bernoulli beams. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 2631-2652.	2.8	11
14	Piezoelectricity solution for edge stress field in weakly bonded piezoelectric composite laminates. <i>Archive of Applied Mechanics</i> , 2021, 91, 2411-2434.	2.2	2
15	A wave packet enriched finite element for electroelastic wave propagation problems. <i>International Journal of Mechanical Sciences</i> , 2020, 170, 105081.	6.7	8
16	Accurate baseline-free damage localization in plates using refined Lamb wave time-reversal method. <i>Smart Materials and Structures</i> , 2020, 29, 055044.	3.5	32
17	An efficient facet shell element with layerwise mechanics for coupled electromechanical response of piezolaminated smart shells. <i>Thin-Walled Structures</i> , 2020, 150, 106624.	5.3	8
18	Delamination modeling in doubly curved laminated shells for free vibration analysis using zigzag theory-based facet shell element and hybrid continuity method. <i>International Journal for Numerical Methods in Engineering</i> , 2019, 120, 1126-1147.	2.8	9

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19	Adaptive pitch control of full-scale ship composite propeller using shape memory alloy to enhance propulsive efficiency in off-design conditions. <i>Journal of Intelligent Material Systems and Structures</i> , 2019, 30, 1493-1507.	2.5	3
20	Smart composite propeller for marine applications. , 2019, , 271-297.		0
21	An efficient zigzag theory based finite element modeling of composite and sandwich plates with multiple delaminations using a hybrid continuity method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 345, 212-232.	6.6	9
22	Dynamic Shear-Lag Model for Stress Transfer in Piezoelectric Transducer Bonded to Plate. <i>AIAA Journal</i> , 2019, 57, 2123-2133.	2.6	14
23	Wave packet enriched finite element for generalized thermoelasticity theories for thermal shock wave problems. <i>Journal of Thermal Stresses</i> , 2018, 41, 1080-1099.	2.0	7
24	Influence of piezoelectric nonlinearity on active vibration suppression of smart laminated shells using strong field actuation. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 505-526.	2.6	6
25	Shear-lag solution for excitation, sensing, and time reversal of Lamb waves for structural health monitoring. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 585-599.	2.5	15
26	Active detection of block mass and notch-type damages in metallic plates using a refined time-reversed Lamb wave technique. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2064.	4.0	26
27	Edge effects in elastic and piezoelectric laminated panels under thermal loading. <i>Journal of Thermal Stresses</i> , 2018, 41, 1577-1596.	2.0	8
28	Improving hydrodynamic efficiency of composite marine propellers in off-design conditions using shape memory alloy composite actuators. <i>Ocean Engineering</i> , 2018, 168, 185-203.	4.3	20
29	An enriched finite element method for general wave propagation problems using local element domain harmonic enrichment functions. <i>Archive of Applied Mechanics</i> , 2018, 88, 1573-1594.	2.2	11
30	Accurate prediction of three-dimensional free edge stress field in composite laminates using mixed-field multiterm extended Kantorovich method. <i>Acta Mechanica</i> , 2017, 228, 2895-2919.	2.1	22
31	Three-dimensional static analysis of Levy-type functionally graded plate with in-plane stiffness variation. <i>Composite Structures</i> , 2017, 168, 780-791.	5.8	22
32	Third order theory based quadrilateral element for delaminated composite plates with a hybrid method for satisfying continuity at delamination fronts. <i>Composite Structures</i> , 2017, 181, 84-95.	5.8	8
33	Free edge stress field in smart piezoelectric composite structures and its control: An accurate multiphysics solution. <i>International Journal of Solids and Structures</i> , 2017, 126-127, 196-207.	2.7	8
34	Unraveling the mystery of hearing in gerbil and other rodents with an arch-beam model of the basilar membrane. <i>Scientific Reports</i> , 2017, 7, 228.	3.3	20
35	Free edge stresses in composite laminates with imperfect interfaces under extension, bending and twisting loading. <i>International Journal of Mechanical Sciences</i> , 2016, 113, 148-161.	6.7	12
36	A four-node facet shell element for laminated shells based on the third order zigzag theory. <i>Composite Structures</i> , 2016, 158, 112-127.	5.8	19

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37	Effects of adhesive, host plate, transducer and excitation parameters on time reversibility of ultrasonic Lamb waves. <i>Ultrasonics</i> , 2016, 70, 147-157.	3.9	29
38	Coupled three-dimensional piezoelectricity solution for edge effects in Levy-type rectangular piezolaminated plates using mixed field extended Kantorovich method. <i>Composite Structures</i> , 2016, 140, 491-505.	5.8	11
39	On the use of bend-twist coupling in full-scale composite marine propellers for improving hydrodynamic performance. <i>Journal of Fluids and Structures</i> , 2016, 61, 132-153.	3.4	23
40	Two dimensional shear lag solution for stress transfer between rectangular piezoelectric wafer transducer and orthotropic host plate. <i>European Journal of Mechanics, A/Solids</i> , 2016, 55, 181-191.	3.7	13
41	A refined Lamb wave time-reversal method with enhanced sensitivity for damage detection in isotropic plates. <i>Journal of Intelligent Material Systems and Structures</i> , 2016, 27, 1283-1305.	2.5	49
42	Free Edge Effects in Sandwich Laminates under Tension, Bending and Twisting Loads. <i>Proceedings of the Indian National Science Academy</i> , 2016, .	1.4	0
43	Spectral Finite Element for Wave Propagation in Curved Beams. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2015, 137, .	1.6	15
44	Active Vibration Control of Piezolaminated Composite Plates Considering Strong Electric Field Nonlinearity. <i>AIAA Journal</i> , 2015, 53, 603-616.	2.6	26
45	Three-Dimensional Extended Kantorovich Solution for Accurate Prediction of Interlaminar Stresses in Composite Laminated Panels with Interfacial Imperfections. <i>Journal of Engineering Mechanics - ASCE</i> , 2015, 141, .	2.9	14
46	Spectral finite element for wave propagation analysis of laminated composite curved beams using classical and first order shear deformation theories. <i>Composite Structures</i> , 2015, 132, 310-320.	5.8	43
47	Some recent results on MDGKN systems. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2015, 95, 695-702.	1.6	21
48	A quadrilateral shallow shell element based on the third-order theory for functionally graded plates and shells and the inaccuracy of rule of mixtures. <i>European Journal of Mechanics, A/Solids</i> , 2015, 49, 268-282.	3.7	24
49	Coupled efficient layerwise finite element modeling for active vibration control of smart composite and sandwich shallow shells. <i>Journal of Intelligent Material Systems and Structures</i> , 2014, 25, 2033-2036.	2.5	6
50	Third Asian Conference on Mechanics of Functional Materials and Structures (ACMFMS 2012). <i>Acta Mechanica</i> , 2014, 225, 2717-2719.	2.1	0
51	An efficient finite element with layerwise mechanics for smart piezoelectric composite and sandwich shallow shells. <i>Computational Mechanics</i> , 2014, 53, 101-124.	4.0	20
52	Three-dimensional extended Kantorovich solution for Levy-type rectangular laminated plates with edge effects. <i>Composite Structures</i> , 2014, 107, 167-176.	5.8	30
53	Spectral finite element based on an efficient layerwise theory for wave propagation analysis of composite and sandwich beams. <i>Journal of Sound and Vibration</i> , 2014, 333, 3120-3137.	3.9	35
54	Thermoelectrical Buckling of Beams: Piezoelectric Effects. , 2014, , 5902-5910.		0

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55	Global-local and zigzag-local theories for direct transverse shear stress computation in piezolaminated plates under thermal loading. <i>International Journal of Mechanical Sciences</i> , 2013, 75, 158-169.	6.7	4
56	Active vibration control of smart plates using directional actuation and sensing capability of piezoelectric composites. <i>Acta Mechanica</i> , 2013, 224, 1185-1199.	2.1	28
57	Extended Kantorovich method for coupled piezoelectricity solution of piezolaminated plates showing edge effects. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2013, 469, 20120565.	2.1	25
58	Coupled global-local and zigzag-local laminate theories for dynamic analysis of piezoelectric laminated plates. <i>Journal of Sound and Vibration</i> , 2013, 332, 306-325.	3.9	9
59	An efficient layerwise finite element for shallow composite and sandwich shells. <i>Composite Structures</i> , 2013, 98, 202-214.	5.8	60
60	On the accuracy of recent global-local theories for bending and vibration of laminated plates. <i>Composite Structures</i> , 2013, 95, 163-172.	5.8	27
61	A nonlinear efficient layerwise finite element model for smart piezolaminated composites under strong applied electric field. <i>Smart Materials and Structures</i> , 2013, 22, 055021.	3.5	20
62	Multiterm Extended Kantorovich Method for Three-Dimensional Elasticity Solution of Laminated Plates. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2012, 79, .	2.2	40
63	Improved Global-Local Theory for Laminated Plates Under Thermal Load with Actual Temperature Profile. <i>Journal of Thermal Stresses</i> , 2012, 35, 169-191.	2.0	3
64	Assessment of improved zigzag and smeared theories for smart cross-ply composite cylindrical shells including transverse normal extensibility under thermoelectric loading. <i>Archive of Applied Mechanics</i> , 2012, 82, 859-877.	2.2	8
65	Coupled efficient layerwise and smeared third order theories for vibration of smart piezolaminated cylindrical shells. <i>Composite Structures</i> , 2012, 94, 1886-1899.	5.8	17
66	Boundary layer effects in Levy-type rectangular piezoelectric composite plates using a coupled efficient layerwise theory. <i>European Journal of Mechanics, A/Solids</i> , 2012, 36, 122-140.	3.7	14
67	Three-dimensional isofield micromechanics model for effective electrothermoelastic properties of piezoelectric composites. <i>Journal of Mechanics of Materials and Structures</i> , 2011, 6, 249-265.	0.6	6
68	Boundary layer effects in rectangular cross-ply Levy-type plates using zigzag theory. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2011, 91, 565-580.	1.6	8
69	Mechanics of the Unusual Basilar Membrane in Gerbil. , 2011, , .		6
70	Extended Kantorovich Method for Three-Dimensional Elasticity Solution of Laminated Composite Structures in Cylindrical Bending. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2011, 78, .	2.2	24
71	Efficient finite element with physical and electric nodes for transient analysis of smart piezoelectric sandwich plates. <i>Acta Mechanica</i> , 2010, 214, 123-131.	2.1	8
72	Efficient modeling of smart piezoelectric composite laminates: a review. <i>Acta Mechanica</i> , 2010, 214, 31-48.	2.1	99

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73	Active vibration suppression of multilayered plates integrated with piezoelectric fiber reinforced composites using an efficient finite element model. <i>Journal of Sound and Vibration</i> , 2010, 329, 3247-3265.	3.9	46
74	Exact three-dimensional piezothermoelasticity solution for dynamics of rectangular cross-ply hybrid plates featuring interlaminar bonding imperfections. <i>Composites Science and Technology</i> , 2010, 70, 752-762.	7.8	20
75	Three-dimensional piezoelectricity solution for dynamics of cross-ply cylindrical shells integrated with piezoelectric fiber reinforced composite actuators and sensors. <i>Composite Structures</i> , 2010, 92, 2431-2444.	5.8	31
76	Three-dimensional piezoelectricity solution for piezolaminated angle-ply cylindrical shells featuring imperfect interfacial bonding. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
77	Active vibration control of piezoelectric laminated beams with electroded actuators and sensors using an efficient finite element involving an electric node. <i>Smart Materials and Structures</i> , 2010, 19, 045019.	3.5	48
78	Improved smeared and zigzag third-order theories for piezoelectric angle-ply laminated cylindrical shells under electrothermomechanical loads. <i>Journal of Mechanics of Materials and Structures</i> , 2009, 4, 1157-1184.	0.6	7
79	Efficient Global Zigzag Theory for Elastic Laminated Plates. <i>Journal of Reinforced Plastics and Composites</i> , 2009, 28, 1025-1047.	3.1	1
80	Control of Fixed Offshore Jacket Platform Using Semi-Active Hydraulic Damper. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2009, 131, .	1.2	12
81	Static electromechanical response of smart composite/sandwich plates using an efficient finite element with physical and electric nodes. <i>International Journal of Mechanical Sciences</i> , 2009, 51, 1-20.	6.7	19
82	Analytical piezoelectricity solution for vibration of piezoelectric laminated angle-ply circular cylindrical panels. <i>Journal of Sound and Vibration</i> , 2009, 324, 832-849.	3.9	11
83	Assessment of third order smeared and zigzag theories for buckling and vibration of flat angle-ply hybrid piezoelectric panels. <i>Composite Structures</i> , 2009, 90, 346-362.	5.8	8
84	Efficient Laminate Theory for Predicting Transverse Shear Stresses in Piezoelectric Composite Plates. <i>AIAA Journal</i> , 2009, 47, 3022-3030.	2.6	9
85	Synthesis and characterization of Al/SiC and Ni/Al <sub>2</sub> O <sub>3</sub> functionally graded materials. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 487, 524-535.	5.6	93
86	Free vibration analysis of composite and sandwich plates using an improved discrete Kirchhoff quadrilateral element based on third-order zigzag theory. <i>Computational Mechanics</i> , 2008, 42, 803-824.	4.0	127
87	Two-dimensional benchmark solution for buckling and vibration of simply supported hybrid piezoelectric angle-ply flat panels. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2008, 88, 42-57.	1.6	4
88	An efficient quadrilateral element based on improved zigzag theory for dynamic analysis of hybrid plates with electroded piezoelectric actuators and sensors. <i>Journal of Sound and Vibration</i> , 2008, 315, 118-145.	3.9	36
89	Benchmark 3D solution and assessment of a zigzag theory for free vibration of hybrid plates under initial electrothermomechanical stresses. <i>Composites Science and Technology</i> , 2008, 68, 297-311.	7.8	9
90	Bending and free vibration response of layered functionally graded beams: A theoretical model and its experimental validation. <i>Composite Structures</i> , 2008, 82, 390-402.	5.8	268

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91	An improved third order theory and assessment of efficient zigzag theory for angle-ply flat hybrid panels. <i>Composite Structures</i> , 2008, 83, 226-236.	5.8	8
92	Improved Efficient Zigzag and Third Order Theories for Circular Cylindrical Shells Under Thermal Loading. <i>Journal of Thermal Stresses</i> , 2008, 31, 343-367.	2.0	28
93	Theoretical Modeling and Experimental Validation of Thermal Response of Metal-Ceramic Functionally Graded Beams. <i>Journal of Thermal Stresses</i> , 2008, 31, 759-787.	2.0	18
94	Detection of delamination damage in composite beams and plates using wavelet analysis. <i>Structural Engineering and Mechanics</i> , 2008, 30, 699-712.	1.0	10
95	On the Stress to Strain Transfer Ratio and Elastic Deflection Behavior for Al/SiC Functionally Graded Material. <i>Mechanics of Advanced Materials and Structures</i> , 2007, 14, 295-302.	2.6	47
96	Unified efficient layerwise theory for smart beams with segmented extension/shear mode, piezoelectric actuators and sensors. <i>Journal of Mechanics of Materials and Structures</i> , 2007, 2, 1267-1298.	0.6	34
97	2D exact solutions for flat hybrid piezoelectric and magnetoelastic angle-ply panels under harmonic load. <i>Smart Materials and Structures</i> , 2007, 16, 1651-1661.	3.5	8
98	An improved discrete Kirchhoff quadrilateral element based on third-order zigzag theory for static analysis of composite and sandwich plates. <i>International Journal for Numerical Methods in Engineering</i> , 2007, 69, 1948-1981.	2.8	67
99	Coupled Efficient Zigzag Finite Element Analysis of Piezoelectric Hybrid Beams under Thermal Loads. <i>Journal of Thermal Stresses</i> , 2006, 29, 553-583.	2.0	6
100	Efficient layerwise finite element model for dynamic analysis of laminated piezoelectric beams. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006, 195, 2742-2760.	6.6	55
101	Assessment of coupled 1D models for hybrid piezoelectric layered functionally graded beams. <i>Composite Structures</i> , 2006, 72, 455-468.	5.8	34
102	Nonlinear coupled zigzag theory for buckling of hybrid piezoelectric plates. <i>Composite Structures</i> , 2006, 74, 253-264.	5.8	34
103	Nonlinear zigzag theory for electrothermomechanical buckling of piezoelectric composite and sandwich plates. <i>Acta Mechanica</i> , 2006, 184, 61-76.	2.1	25
104	A new discrete Kirchhoff quadrilateral element based on the third-order theory for composite plates. <i>Computational Mechanics</i> , 2006, 39, 237-246.	4.0	32
105	Electromechanically Coupled Zigzag Third-Order Theory for Thermally Loaded Hybrid Piezoelectric Plates. <i>AIAA Journal</i> , 2006, 44, 160-170.	2.6	18
106	An efficient coupled zigzag theory for dynamic analysis of piezoelectric composite and sandwich beams with damping. <i>Journal of Sound and Vibration</i> , 2005, 279, 345-371.	3.9	14
107	Exact 3D piezoelectricity solution of hybrid cross-ply plates with damping under harmonic electro-mechanical loads. <i>Journal of Sound and Vibration</i> , 2005, 282, 617-634.	3.9	30
108	Geometrically nonlinear axisymmetric response of thin circular plate under piezoelectric actuation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2005, 10, 411-423.	3.3	26

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109	A coupled consistent third-order theory for hybrid piezoelectric plates. Composite Structures, 2005, 70, 120-133.	5.8	31
110	A coupled zigzag theory for the dynamics of piezoelectric hybrid cross-ply plates. Archive of Applied Mechanics, 2005, 75, 42-57.	2.2	35
111	Exact 3D piezothermoelasticity solution for buckling of hybrid cross-ply plates using state space approach. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2005, 85, 189-201.	1.6	11
112	Two-Dimensional Piezoelectricity and Zigzag Theory Solutions for Vibration of Initially Stressed Hybrid Beams. Journal of Vibration and Acoustics, Transactions of the ASME, 2005, 127, 116-124.	1.6	5
113	Coupled Consistent Third-order Theory for Hybrid Piezoelectric Composite and Sandwich Beams. Journal of Reinforced Plastics and Composites, 2005, 24, 173-194.	3.1	4
114	Nonlinear Zigzag Theory for Buckling of Hybrid Piezoelectric Rectangular Beams under Electrothermomechanical Loads. Journal of Engineering Mechanics - ASCE, 2005, 131, 367-376.	2.9	10
115	Exact 2D Solution and Assessment of a 1D Zigzag Theory for Vibration of Thermally Stressed Hybrid Beams. Journal of Thermal Stresses, 2005, 28, 943-963.	2.0	6
116	Effect of Shear Correction Factor on Response of Cross-ply Laminated Plates using FSDT. Defence Science Journal, 2005, 55, 377-387.	0.8	2
117	Discussion: "Zeroth-Order Shear Deformation Theory for Laminated Composite Plates" (Ray, M. C.,) Tj ETQq1 1 0.784314 rgBT /C 594-595.	2.2	3
118	COUPLED CONSISTENT THIRD-ORDER THEORY FOR HYBRID PIEZOELECTRIC BEAMS UNDER THERMAL LOAD. Journal of Thermal Stresses, 2004, 27, 405-424.	2.0	15
119	A Coupled Zig-Zag Third-Order Theory for Piezoelectric Hybrid Cross-Ply Plates. Journal of Applied Mechanics, Transactions ASME, 2004, 71, 604-614.	2.2	52
120	Efficient Coupled Zigzag Theory for Hybrid Piezoelectric Beams for Thermoelectric Load. AIAA Journal, 2004, 42, 383-394.	2.6	29
121	Finite element model of efficient zig-zag theory for static analysis of hybrid piezoelectric beams. Computational Mechanics, 2004, 34, 475-483.	4.0	17
122	Exact 3-D piezoelectricity solution for buckling of hybrid cross-ply plates using transfer matrices. Acta Mechanica, 2004, 170, 25.	2.1	16
123	Assessment of zigzag theory for static loading, buckling, free and forced response of composite and sandwich beams. Composite Structures, 2004, 64, 317-327.	5.8	133
124	Exact 2D piezoelectricity solution of hybrid beam with damping under harmonic electromechanical load. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2004, 84, 391-402.	1.6	10
125	Exact two-dimensional piezoelectricity solution for buckling of hybrid beams and cross-ply panels using transfer matrices. Composite Structures, 2004, 64, 1-11.	5.8	12
126	Zigzag theory for buckling of hybrid piezoelectric beams under electromechanical loads. International Journal of Mechanical Sciences, 2004, 46, 1-25.	6.7	21



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127	An efficient higher order zigzag theory for laminated plates subjected to thermal loading. International Journal of Solids and Structures, 2004, 41, 4661-4684.	2.7	85
128	Static and dynamic thermo-electro-mechanical analysis of angle-ply hybrid piezoelectric beams using an efficient coupled zigzag theory. Composites Science and Technology, 2004, 64, 2463-2475.	7.8	21
129	An efficient coupled layerwise theory for static analysis of piezoelectric sandwich beams. Archive of Applied Mechanics, 2003, 73, 147-159.	2.2	30
130	An efficient higher order zigzag theory for composite and sandwich beams subjected to thermal loading. International Journal of Solids and Structures, 2003, 40, 6613-6631.	2.7	89
131	An efficient coupled layerwise theory for dynamic analysis of piezoelectric composite beams. Journal of Sound and Vibration, 2003, 261, 927-944.	3.9	33
132	First-order shear deformation theory solution for a circular piezoelectric composite plate under axisymmetric load. Smart Materials and Structures, 2003, 12, 417-423.	3.5	14
133	Assessment of a layerwise theory of hybrid beams for patch load. , 2003, , 370-373.		0
134	Unified Geometrically Nonlinear Formulation of All Higher-order Shear Deformation Theories for Cross-ply Plates. Defence Science Journal, 2003, 53, 157-165.	0.8	0
135	First Order Shear Deformation Theory for Hybrid Cylindrical Panel in Cylindrical Bending Considering Electrothermomechanical Coupling Effects. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2002, 82, 461-471.	1.6	7
136	An efficient coupled theory for multilayered beams with embedded piezoelectric sensory and active layers. International Journal of Solids and Structures, 2001, 38, 9179-9199.	2.7	83
137	Coupled FSDT for piezothermoelectric hybrid rectangular plate. International Journal of Solids and Structures, 2000, 37, 6131-6153.	2.7	19
138	THREE-DIMENSIONAL SOLUTION FOR SHAPE CONTROL OF A SIMPLY SUPPORTED RECTANGULAR HYBRID PLATE. Journal of Thermal Stresses, 1999, 22, 159-176.	2.0	34
139	Three Dimensional Axisymmetric Piezothermoelastic Solution of Clamped Circular Elastic Plate Bonded to Piezoceramic Plate. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1999, 79, 117-129.	1.6	0
140	Three Dimensional Axisymmetric Piezothermoelastic Solution of Clamped Circular Elastic Plate Bonded to Piezoceramic Plate. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1999, 79, 117-129.	1.6	1
141	Assessment of shell theories for hybrid piezoelectric cylindrical shell under electromechanical load. International Journal of Mechanical Sciences, 1998, 40, 461-477.	6.7	12
142	Assessment of plate theories for hybrid panel in cylindrical bending. Mechanics Research Communications, 1998, 25, 353-360.	1.8	5
143	ASSESSMENT OF SHELL THEORIES FOR HYBRID PIEZOELECTRIC CYLINDRICAL SHELL UNDER THERMOELECTRIC LOAD. Journal of Thermal Stresses, 1998, 21, 519-544.	2.0	6
144	Three-Dimensional Axisymmetric Piezothermoelastic Solution of a Transversely Isotropic Piezoelectric Clamped Circular Plate. Journal of Applied Mechanics, Transactions ASME, 1998, 65, 178-183.	2.2	5

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145	Nonaxisymmetric Exact Piezothermoelastic Solution for Laminated Cylindrical Shell. AIAA Journal, 1997, 35, 1792-1795.	2.6	25
146	THREE-DIMENSIONAL PIEZOTHERMOELASTIC SOLUTION FOR SHAPE CONTROL OF CYLINDRICAL PANEL. Journal of Thermal Stresses, 1997, 20, 67-85.	2.0	36
147	An exact axisymmetric solution for a simply supported piezoelectric cylindrical shell. Archive of Applied Mechanics, 1997, 67, 260-273.	2.2	21
148	Three-dimensional solution for a hybrid cylindrical shell under axisymmetric thermoelectric load. Archive of Applied Mechanics, 1997, 67, 320-330.	2.2	45
149	Levy-type piezothermoelastic solution for hybrid plate by using first-order shear deformation theory. Composites Part B: Engineering, 1997, 28, 535-546.	12.0	26
150	Exact Piezothermoelastic Solution for Simply Supported Laminated Flat Panel in Cylindrical Bending. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1997, 77, 281-293.	1.6	42
151	Three-dimensional solution for simply-supported piezoelectric cylindrical shell for axisymmetric load. Computer Methods in Applied Mechanics and Engineering, 1997, 140, 139-155.	6.6	44
152	Exact piezoelastic solution of simply-supported orthotropic circular cylindrical panel in cylindrical bending. International Journal of Solids and Structures, 1997, 34, 685-702.	2.7	40
153	Nonaxisymmetric exact piezothermoelastic solution for laminated cylindrical shell. AIAA Journal, 1997, 35, 1792-1795.	2.6	4
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