Santosh Kapuria

List of Publications by Year in descending order

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| # | 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. Journal of Intelligent Material Systems and Structures, 2022, 33, 779-798. | 2.5 | 2 |
| 2 | Finite Element Simulation of Axisymmetric Elastic and Electroelastic Wave Propagation Using Local-Domain Wave Packet Enrichment. Journal of Vibration and Acoustics, Transactions of the ASME, 2022, 144, . | 1.6 | 7 |
| 3 | Thermoelastic wave propagation in thin beams under thermal shock loading. Applied Mathematical Modelling, 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. Acta Mechanica, 2022, 233, 1187-1212. | 2.1 | 7 |
| 5 | Physio-Mechanical Characterization of Limestone and Dolomite for Its Application in Blast Analysis of Tunnels. Journal of Engineering Mechanics - ASCE, 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. Composite Structures, 2022, 289, 115442. | 5.8 | 4 |
| 7 | Analytical elasticity solution for accurate prediction of localized stresses in laminated composites under patch loading. European Journal of Mechanics, A/Solids, 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. Renewable and Sustainable Energy Reviews, 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. Ultrasonics, 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. Structural Health Monitoring, 2021, 20, 2626-2640. | 7.5 | 6 |
| 11 | Thermoelectroelastic shock waves in piezoelastic media: An enriched finite element solution based on generalized piezothermoelasticity. Mechanics of Advanced Materials and Structures, 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. International Journal of Mechanical Sciences, 2021, 194, 106195. | 6.7 | 12 |
| 13 | A C ¹ â€continuous time domain spectral finite element for wave propagation analysis of Euler–Bernoulli beams. International Journal for Numerical Methods in Engineering, 2021, 122, 2631-2652. | 2.8 | 11 |
| 14 | Piezoelasticity solution for edge stress field in weakly bonded piezoelectric composite laminates. Archive of Applied Mechanics, 2021, 91, 2411-2434. | 2.2 | 2 |
| 15 | A wave packet enriched finite element for electroelastic wave propagation problems. International Journal of Mechanical Sciences, 2020, 170, 105081. | 6.7 | 8 |
| 16 | Accurate baseline-free damage localization in plates using refined Lamb wave time-reversal method. Smart Materials and Structures, 2020, 29, 055044. | 3.5 | 32 |
| 17 | An efficient facet shell element with layerwise mechanics for coupled electromechanical response of piezolaminated smart shells. Thin-Walled Structures, 2020, 150, 106624. | 5.3 | 8 |
| 18 | Delamination modeling in doubly curved laminated shells for free vibration analysis using zigzag theoryâ€based facet shell element and hybrid continuity method. International Journal for Numerical Methods in Engineering, 2019, 120, 1126-1147. | 2.8 | 9 |

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Adaptive pitch control of full-scale ship composite propeller using shape memory alloy to enhance propulsive efficiency in off-design conditions. Journal of Intelligent Material Systems and Structures, 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. Computer Methods in Applied Mechanics and Engineering, 2019, 345, 212-232. | 6.6 | 9 |
| 22 | Dynamic Shear-Lag Model for Stress Transfer in Piezoelectric Transducer Bonded to Plate. AIAA Journal, 2019, 57, 2123-2133. | 2.6 | 14 |
| 23 | Wave packet enriched finite element for generalized thermoelasticity theories for thermal shock wave problems. Journal of Thermal Stresses, 2018, 41, 1080-1099. | 2.0 | 7 |
| 24 | Influence of piezoelectric nonlinearity on active vibration suppression of smart laminated shells using strong field actuation. JVC/Journal of Vibration and Control, 2018, 24, 505-526. | 2.6 | 6 |
| 25 | Shear-lag solution for excitation, sensing, and time reversal of Lamb waves for structural health monitoring. Journal of Intelligent Material Systems and Structures, 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. Structural Control and Health Monitoring, 2018, 25, e2064. | 4.0 | 26 |
| 27 | Edge effects in elastic and piezoelectric laminated panels under thermal loading. Journal of Thermal Stresses, 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. Ocean Engineering, 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. Archive of Applied Mechanics, 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. Acta Mechanica, 2017, 228, 2895-2919. | 2.1 | 22 |
| 31 | Three-dimensional static analysis of Levy-type functionally graded plate with in-plane stiffness variation. Composite Structures, 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. Composite Structures, 2017, 181, 84-95. | 5.8 | 8 |
| 33 | Free edge stress field in smart piezoelectric composite structures and its control: An accurate multiphysics solution. International Journal of Solids and Structures, 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. Scientific Reports, 2017, 7, 228. | 3.3 | 20 |
| 35 | Free edge stresses in composite laminates with imperfect interfaces under extension, bending and twisting loading. International Journal of Mechanical Sciences, 2016, 113, 148-161. | 6.7 | 12 |
| 36 | A four-node facet shell element for laminated shells based on the third order zigzag theory. Composite Structures, 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. Ultrasonics, 2016, 70, 147-157. | 3.9 | 29 |
| 38 | Coupled three-dimensional piezoelasticity solution for edge effects in Levy-type rectangular piezolaminated plates using mixed field extended Kantorovich method. Composite Structures, 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. Journal of Fluids and Structures, 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. European Journal of Mechanics, A/Solids, 2016, 55, 181-191. | 3.7 | 13 |
| 41 | A refined Lamb wave time-reversal method with enhanced sensitivity for damage detection in isotropic plates. Journal of Intelligent Material Systems and Structures, 2016, 27, 1283-1305. | 2.5 | 49 |
| 42 | Free Edge Effects in Sandwich Laminates under Tension, Bending and Twisting Loads. Proceedings of the Indian National Science Academy, 2016, . | 1.4 | 0 |
| 43 | Spectral Finite Element for Wave Propagation in Curved Beams. Journal of Vibration and Acoustics, Transactions of the ASME, 2015, 137, . | 1.6 | 15 |
| 44 | Active Vibration Control of Piezolaminated Composite Plates Considering Strong Electric Field Nonlinearity. AIAA Journal, 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. Journal of Engineering Mechanics - ASCE, 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. Composite Structures, 2015, 132, 310-320. | 5.8 | 43 |
| 47 | Some recent results on MDGKNâ€systems. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 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. European Journal of Mechanics, A/Solids, 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. Journal of Intelligent Material Systems and Structures, 2014, 25, 2013-2036. | 2.5 | 6 |
| 50 | Third Asian Conference on Mechanics of Functional Materials and Structures (ACMFMS 2012). Acta Mechanica, 2014, 225, 2717-2719. | 2.1 | 0 |
| 51 | An efficient finite element with layerwise mechanics for smart piezoelectric composite and sandwich shallow shells. Computational Mechanics, 2014, 53, 101-124. | 4.0 | 20 |
| 52 | Three-dimensional extended Kantorovich solution for Levy-type rectangular laminated plates with edge effects. Composite Structures, 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. Journal of Sound and Vibration, 2014, 333, 3120-3137. | 3.9 | 35 |
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54 Thermoelectrical Buckling of Beams: Piezoelectric Effects. , 2014, , 5902-5910.

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|----|--|-----|-----------|
| 55 | Global–local and zigzag-local theories for direct transverse shear stress computation in piezolaminated plates under thermal loading. International Journal of Mechanical Sciences, 2013, 75, 158-169. | 6.7 | 4 |
| 56 | Active vibration control of smart plates using directional actuation and sensing capability of piezoelectric composites. Acta Mechanica, 2013, 224, 1185-1199. | 2.1 | 28 |
| 57 | Extended Kantorovich method for coupled piezoelasticity solution of piezolaminated plates showing edge effects. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2013, 469, 20120565. | 2.1 | 25 |
| 58 | Coupled global-local and zigzag-local laminate theories for dynamic analysis of piezoelectric laminated plates. Journal of Sound and Vibration, 2013, 332, 306-325. | 3.9 | 9 |
| 59 | An efficient layerwise finite element for shallow composite and sandwich shells. Composite Structures, 2013, 98, 202-214. | 5.8 | 60 |
| 60 | On the accuracy of recent global–local theories for bending and vibration of laminated plates. Composite Structures, 2013, 95, 163-172. | 5.8 | 27 |
| 61 | A nonlinear efficient layerwise finite element model for smart piezolaminated composites under strong applied electric field. Smart Materials and Structures, 2013, 22, 055021. | 3.5 | 20 |
| 62 | Multiterm Extended Kantorovich Method for Three-Dimensional Elasticity Solution of Laminated Plates. Journal of Applied Mechanics, Transactions ASME, 2012, 79, . | 2.2 | 40 |
| 63 | Improved Global-Local Theory for Laminated Plates Under Thermal Load with Actual Temperature Profile. Journal of Thermal Stresses, 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. Archive of Applied Mechanics, 2012, 82, 859-877. | 2.2 | 8 |
| 65 | Coupled efficient layerwise and smeared third order theories for vibration of smart piezolaminated cylindrical shells. Composite Structures, 2012, 94, 1886-1899. | 5.8 | 17 |
| 66 | Boundary layer effects in Levy-type rectangular piezoelectric composite plates using a coupled efficient layerwise theory. European Journal of Mechanics, A/Solids, 2012, 36, 122-140. | 3.7 | 14 |
| 67 | Three-dimensional isofield micromechanics model for effective electrothermoelastic properties of piezoelectric composites. Journal of Mechanics of Materials and Structures, 2011, 6, 249-265. | 0.6 | 6 |
| 68 | Boundary layer effects in rectangular crossâ€ply Levyâ€ŧype plates using zigzag theory. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 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. Journal of Applied Mechanics, Transactions ASME, 2011, 78, . | 2.2 | 24 |
| 71 | Efficient finite element with physical and electric nodes for transient analysis of smart piezoelectric sandwich plates. Acta Mechanica, 2010, 214, 123-131. | 2.1 | 8 |
| 72 | Efficient modeling of smart piezoelectric composite laminates: a review. Acta Mechanica, 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. Journal of Sound and Vibration, 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. Composites Science and Technology, 2010, 70, 752-762. | 7.8 | 20 |
| 75 | Three-dimensional piezoelasticity solution for dynamics of cross-ply cylindrical shells integrated with piezoelectric fiber reinforced composite actuators and sensors. Composite Structures, 2010, 92, 2431-2444. | 5.8 | 31 |
| 76 | Three-dimensional piezoelasticity solution for piezolaminated angle-ply cylindrical shells featuring imperfect interfacial bonding. Proceedings of SPIE, 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. Smart Materials and Structures, 2010, 19, 045019. | 3.5 | 48 |
| 78 | Improved smeared and zigzag third-order theories for piezoelectric angle-ply laminated cylindrical shells under electrothermomechanical loads. Journal of Mechanics of Materials and Structures, 2009, 4, 1157-1184. | 0.6 | 7 |
| 79 | Efficient Global Zigzag Theory for Elastic Laminated Plates. Journal of Reinforced Plastics and Composites, 2009, 28, 1025-1047. | 3.1 | 1 |
| 80 | Control of Fixed Offshore Jacket Platform Using Semi-Active Hydraulic Damper. Journal of Offshore Mechanics and Arctic Engineering, 2009, 131, . | 1.2 | 12 |
| 81 | Static electromechanical response of smart composite/sandwich plates using an efficient finite element with physical and electric nodes. International Journal of Mechanical Sciences, 2009, 51, 1-20. | 6.7 | 19 |
| 82 | Analytical piezoelasticity solution for vibration of piezoelectric laminated angle-ply circular cylindrical panels. Journal of Sound and Vibration, 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. Composite Structures, 2009, 90, 346-362. | 5.8 | 8 |
| 84 | Efficient Laminate Theory for Predicting Transverse Shear Stresses in Piezoelectric Composite Plates. AIAA Journal, 2009, 47, 3022-3030. | 2.6 | 9 |
| 85 | Synthesis and characterization of Al/SiC and Ni/Al2O3 functionally graded materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 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. Computational Mechanics, 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. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 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. Journal of Sound and Vibration, 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. Composites Science and Technology, 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. Composite Structures, 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. Composite Structures, 2008, 83, 226-236. | 5.8 | 8 |
| 92 | Improved Efficient Zigzag and Third Order Theories for Circular Cylindrical Shells Under Thermal Loading. Journal of Thermal Stresses, 2008, 31, 343-367. | 2.0 | 28 |
| 93 | Theoretical Modeling and Experimental Validation of Thermal Response of Metal-Ceramic Functionally Graded Beams. Journal of Thermal Stresses, 2008, 31, 759-787. | 2.0 | 18 |
| 94 | Detection of delamination damage in composite beams and plates using wavelet analysis. Structural Engineering and Mechanics, 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. Mechanics of Advanced Materials and Structures, 2007, 14, 295-302. | 2.6 | 47 |
| 96 | Unified efficient layerwise theory for smart beams with segmented extension/shear mode, piezoelectric actuators and sensors. Journal of Mechanics of Materials and Structures, 2007, 2, 1267-1298. | 0.6 | 34 |
| 97 | 2D exact solutions for flat hybrid piezoelectric and magnetoelastic angle-ply panels under harmonic load. Smart Materials and Structures, 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. International Journal for Numerical Methods in Engineering, 2007, 69, 1948-1981. | 2.8 | 67 |
| 99 | Coupled Efficient Zigzag Finite Element Analysis of Piezoelectric Hybrid Beams under Thermal Loads. Journal of Thermal Stresses, 2006, 29, 553-583. | 2.0 | 6 |
| 100 | Efficient layerwise finite element model for dynamic analysis of laminated piezoelectric beams. Computer Methods in Applied Mechanics and Engineering, 2006, 195, 2742-2760. | 6.6 | 55 |
| 101 | Assessment of coupled 1D models for hybrid piezoelectric layered functionally graded beams. Composite Structures, 2006, 72, 455-468. | 5.8 | 34 |
| 102 | Nonlinear coupled zigzag theory for buckling of hybrid piezoelectric plates. Composite Structures, 2006, 74, 253-264. | 5.8 | 34 |
| 103 | Nonlinear zigzag theory for electrothermomechanical buckling of piezoelectric composite and sandwich plates. Acta Mechanica, 2006, 184, 61-76. | 2.1 | 25 |
| 104 | A new discrete Kirchhoff quadrilateral element based on the third-order theory for composite plates. Computational Mechanics, 2006, 39, 237-246. | 4.0 | 32 |
| 105 | Electromechanically Coupled Zigzag Third-Order Theory for Thermally Loaded Hybrid Piezoelectric Plates. AIAA Journal, 2006, 44, 160-170. | 2.6 | 18 |
| 106 | An efficient coupled zigzag theory for dynamic analysis of piezoelectric composite and sandwich beams with damping. Journal of Sound and Vibration, 2005, 279, 345-371. | 3.9 | 14 |
| 107 | Exact 3D piezoelasticity solution of hybrid cross–ply plates with damping under harmonic electro-mechanical loads. Journal of Sound and Vibration, 2005, 282, 617-634. | 3.9 | 30 |
| 108 | Geometrically nonlinear axisymmetric response of thin circular plate under piezoelectric actuation. Communications in Nonlinear Science and Numerical Simulation, 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 Piezoelasticity 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 594-595. | 1 0.7843 2.2 | 14 rgBT /0∨ 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 piezoelasticity 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 piezoelasticity 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 piezoelasticity 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 |
| 154 | Exact piezothermoelastic solution of simply-supported orthotropic circular cylindrical panel in cylindrical bending. Archive of Applied Mechanics, 1996, 66, 537-554. | 2.2 | 23 |
| 155 | Exact piezothermoelastic axisymmetric solution of a finite transversely isotropic cylindrical shell. Computers and Structures, 1996, 61, 1085-1099. | 4.4 | 32 |
| 156 | Exact piezothermoelastic solution of simply-supported orthotropic flat panel in cylindrical bending. International Journal of Mechanical Sciences, 1996, 38, 1161-1177. | 6.7 | 81 |
| 157 | Exact piezothermoelastic solution of simply-supported orthotropic circular cylindrical panel in cylindrical bending. Archive of Applied Mechanics, 1996, 66, 537. | 2.2 | 1 |
| 158 | Effect of Temperature on Time Reversibility of Lamb Wave in Thin Plates with Surface-Bonded Piezoelectric Wafers. , 0, , . | | 1 |