# Paolo Bisegna

List of Publications by Year
in descending order



| 143 | 2,591 | 186265 | 276875 |
|---|---|---|---|
| papers | citations | 28 h-index | 41 g-index |

| 152 | 152 | 152 | 1300 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Electro-Optical Classification of Pollen Grains via Microfluidics and Machine Learning. IEEE Transactions on Biomedical Engineering, 2022, 69, 921-931. | 4.2 | 18 |
| 2 | A finite difference method for the static limit analysis of masonry domes under seismic loads. Meccanica, 2022, 57, 121-141. | 2.0 | 20 |
| 3 | Deciphering impedance cytometry signals with neural networks. Lab on A Chip, 2022, 22, 1714-1722. | 6.0 | 32 |
| 4 | The compressive response of additively-manufactured hollow truss lattices: an experimental investigation. International Journal of Advanced Manufacturing Technology, 2022, 120, 3529-3541. | 3.0 | 6 |
| 5 | Fabrication and experimental characterisation of a bistable tensegrity-like unit for lattice metamaterials. Additive Manufacturing, 2022, 57, 102946. | 3.0 | 5 |
| 6 | A Bayesian Approach for Coincidence Resolution in Microfluidic Impedance Cytometry. IEEE Transactions on Biomedical Engineering, 2021, 68, 340-349. | 4.2 | 20 |
| 7 | Single-cell microfluidic impedance cytometry: from raw signals to cell phenotypes using data analytics. Lab on A Chip, 2021, 21, 22-54. | 6.0 | 109 |
| 8 | MODELING AND DESIGN OF PERIODIC LATTICES WITH TENSEGRITY ARCHITECTURE AND HIGHLY NONLINEAR RESPONSE. , 2021, , . | | 2 |
| 9 | Biomechanics in â€œSino-Italian Jointâ€• Acta Mechanica Sinica/Lixue Xuebao, 2021, 37, 169-172. | 3.4 | 6 |
| 10 | Squared figures of merit and electromechanical coupling factors of a novel lead-free 1â€“3â€“0 composite for sensor and energy-harvesting applications. Sensors and Actuators A: Physical, 2021, 318, 112473. | 4.1 | 3 |
| 11 | A new computational framework for the minimum thrust analysis of axisymmetric masonry domes. Engineering Structures, 2021, 234, 111962. | 5.3 | 19 |
| 12 | The Saint-Venant problem for general anisotropic piezoelectric cylinders with applications to smart metamaterials design. Applied Mathematical Modelling, 2021, 93, 831-851. | 4.2 | 5 |
| 13 | Minimum thrust and minimum thickness of spherical masonry domes: A semi-analytical approach. European Journal of Mechanics, A/Solids, 2021, 87, 104222. | 3.7 | 14 |
| 14 | Collapse capacity of masonry domes under horizontal loads: A static limit analysis approach. International Journal of Mechanical Sciences, 2021, 212, 106827. | 6.7 | 11 |
| 15 | Limit Analysis of Dry Masonry Block Structures with Non-associative Coulomb Friction: A Novel Computational Approach. Lecture Notes in Applied and Computational Mechanics, 2021, , 83-96. | 2.2 | 2 |
| 16 | High-throughput label-free characterization of viable, necrotic and apoptotic human lymphoma cells in a coplanar-electrode microfluidic impedance chip. Biosensors and Bioelectronics, 2020, 150, 111887. | 10.1 | 51 |
| 17 | A unifying computational approach for the lower-bound limit analysis of systems of masonry arches and buttresses. Engineering Structures, 2020, 221, 110999. | 5.3 | 23 |
| 18 | Limit analysis of dry masonry block assemblages with non-associative frictional joints. AIP Conference Proceedings, 2020, , . | 0.4 | 1 |

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|---|---|---|---|
| 19 | Thrust line analysis revisited and applied to optimization of masonry arches. International Journal of Mechanical Sciences, 2020, 179, 105690. | 6.7 | 29 |
| 20 | A neural network approach for real-time particle/cell characterization in microfluidic impedance cytometry. Analytical and Bioanalytical Chemistry, 2020, 412, 3835-3845. | 3.7 | 62 |
| 21 | Frictional Behaviour of Masonry Interfaces: Experimental Investigation on Two Dry-Jointed Tuff Blocks. Lecture Notes in Mechanical Engineering, 2020, , 2032-2047. | 0.4 | 5 |
| 22 | A Mixed Membrane Finite Element for Masonry Structures. Lecture Notes in Mechanical Engineering, 2020, , 1167-1178. | 0.4 | 1 |
| 23 | Novel lead-free composites with two porosity levels: large piezoelectric anisotropy and high sensitivity. Journal Physics D: Applied Physics, 2020, 53, 395303. | 2.8 | 8 |
| 24 | A variational-based fixed-point algorithm for the limit analysis of dry-masonry block structures with non-associative Coulomb friction. International Journal of Mechanical Sciences, 2019, 161-162, 105078. | 6.7 | 20 |
| 25 | A mixed finite element for the nonlinear analysis of inâ€plane loaded masonry walls. International Journal for Numerical Methods in Engineering, 2019, 120, 1227-1248. | 2.8 | 22 |
| 26 | A simple electrical approach to monitor dielectrophoretic focusing of particles flowing in a microchannel. Electrophoresis, 2019, 40, 1400-1407. | 2.4 | 10 |
| 27 | High-throughput electrical position detection of single flowing particles/cells with non-spherical shape. Lab on A Chip, 2019, 19, 1818-1827. | 6.0 | 31 |
| 28 | Square Cross Vaults on Spreading Supports. RILEM Bookseries, 2019, , 1045-1053. | 0.4 | 10 |
| 29 | An isogeometric analysis formulation for red blood cell electro-deformation modeling. Computer Methods in Applied Mechanics and Engineering, 2018, 338, 392-411. | 6.6 | 8 |
| 30 | Electrical measurement of cross-sectional position of particles flowing through a microchannel. Microfluidics and Nanofluidics, 2018, 22, 1. | 2.2 | 22 |
| 31 | A novel wiring scheme for standard chips enabling high-accuracy impedance cytometry. Sensors and Actuators B: Chemical, 2018, 256, 580-589. | 7.8 | 48 |
| 32 | Length measurement and spatial orientation reconstruction of single nanowires. Nanotechnology, 2018, 29, 375704. | 2.6 | 1 |
| 33 | Piezo-Active Composites. Springer Series in Materials Science, 2018, , . | 0.6 | 19 |
| 34 | Improving Piezoelectric Sensitivity. Springer Series in Materials Science, 2018, , 163-169. | 0.6 | 0 |
| 35 | Microgeometry of Composites and Their Piezoelectric Coefficients $$varvec{g_{ij}^{*} }$$. Springer Series in Materials Science, 2018, , 99-133. | 0.6 | 0 |
| 36 | Piezoelectric Coefficients $$varvec{h}_{varvec{ij}}^{varvec{*}}$$: New Opportunities to Improve Sensitivity. Springer Series in Materials Science, 2018, , 153-161. | 0.6 | 0 |

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|---|---|---|---|
| 37 | Effective Piezoelectric Coefficients $$d_{ij}^{*}$$: From Microgeometry to Anisotropy. Springer Series in Materials Science, 2018, , 35-97. | 0.6 | 0 |
| 38 | The Piezoelectric Medium and Piezoelectric Sensitivity. Springer Series in Materials Science, 2018, , 1-34. | 0.6 | 0 |
| 39 | Piezoelectric Coefficients $$user2{e}_{user2{ij}}^{*}$$ and $$user2{d}_{user2{ij}}^{*}$$: Combination of Properties at Specific Microgeometry. Springer Series in Materials Science, 2018, , 135-152. | 0.6 | 0 |
| 40 | Effective computational modeling of erythrocyte electro-deformation. Meccanica, 2017, 52, 613-631. | 2.0 | 8 |
| 41 | A novel high-performance mixed membrane finite element for the analysis of inelastic structures. Computers and Structures, 2017, 182, 337-353. | 4.4 | 18 |
| 42 | Coplanar electrode microfluidic chip enabling accurate sheathless impedance cytometry. Lab on A Chip, 2017, 17, 1158-1166. | 6.0 | 65 |
| 43 | Simulation and performance analysis of a novel high-accuracy sheathless microfluidic impedance cytometer with coplanar electrode layout. Medical Engineering and Physics, 2017, 48, 81-89. | 1.7 | 18 |
| 44 | Special issue on Advances in biomechanics: from foundations to applications. Meccanica, 2017, 52, 487-488. | 2.0 | 1 |
| 45 | Mitigating positional dependence in coplanar electrode Coulter-type microfluidic devices. Sensors and Actuators B: Chemical, 2017, 247, 580-586. | 7.8 | 50 |
| 46 | A corotational triangular facet shell element for geometrically nonlinear analysis of thin piezoactuated structures. Composite Structures, 2017, 172, 267-281. | 5.8 | 8 |
| 47 | Numerical Investigation of a Novel Wiring Scheme Enabling Simple and Accurate Impedance Cytometry. Micromachines, 2017, 8, 283. | 2.9 | 12 |
| 48 | An incremental energy minimization state update algorithm for 3D phenomenological internalâ€variable SMA constitutive models based on isotropic flow potentials. International Journal for Numerical Methods in Engineering, 2016, 105, 197-220. | 2.8 | 13 |
| 49 | A mixed tetrahedral element with nodal rotations for large-displacement analysis of inelastic structures. International Journal for Numerical Methods in Engineering, 2016, 108, 722-749. | 2.8 | 16 |
| 50 | Advanced composites based on relaxor-ferroelectric single crystals: from electromechanical coupling to energy-harvesting applications. CrystEngComm, 2016, 18, 5986-6001. | 2.6 | 23 |
| 51 | State update algorithm for isotropic elastoplasticity by incremental energy minimization. International Journal for Numerical Methods in Engineering, 2016, 105, 163-196. | 2.8 | 14 |
| 52 | High accuracy particle analysis using sheathless microfluidic impedance cytometry. Lab on A Chip, 2016, 16, 2467-2473. | 6.0 | 67 |
| 53 | A Simple and Robust Event-Detection Algorithm for Single-Cell Impedance Cytometry. IEEE Transactions on Biomedical Engineering, 2016, 63, 415-422. | 4.2 | 27 |
| 54 | New Effects in 1â€“3-Type Composites Based on Relaxor-Ferroelectrics Single Crystals. Springer Proceedings in Physics, 2016, , 179-195. | 0.2 | 2 |

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|---|---|---|---|
| 55 | Corotational flat triangular elements for the nonlinear analysis of thin shell structures. Proceedings in Applied Mathematics and Mechanics, 2015, 15, 177-178. | 0.2 | 1 |
| 56 | Mixed Tetrahedral Elements for the Analysis of Structures with Material and Geometric Nonlinearities. Proceedings in Applied Mathematics and Mechanics, 2015, 15, 219-220. | 0.2 | 2 |
| 57 | New aspect-ratio effect in three-component composites for piezoelectric sensor, hydrophone and energy-harvesting applications. Sensors and Actuators A: Physical, 2015, 229, 94-103. | 4.1 | 16 |
| 58 | Effect of the matrix subsystem on hydrostatic parameters of a novel 1â€“3-type piezo-composite. Functional Materials Letters, 2015, 08, 1550049. | 1.2 | 9 |
| 59 | New orientation effect in piezo-active 1â€“3-type composites. Materials Chemistry and Physics, 2015, 151, 187-195. | 4.0 | 15 |
| 60 | Features of the Piezoelectric Effect in a Novel PZT-Type Ceramic/Clay Composite. Ferroelectrics, Letters Section, 2014, 41, 82-88. | 1.0 | 10 |
| 61 | The Piezoelectric Medium and Its Electromechanical Properties. Springer Series in Materials Science, 2014, , 1-23. | 0.6 | 0 |
| 62 | State update algorithm for associative elastic-plastic pressure-insensitive materials by incremental energy minimization. Frattura Ed Integrita Strutturale, 2014, 8, 111-127. | 0.9 | 7 |
| 63 | Coupled optimization of tuned-mass energy harvesters accounting for host structure dynamics. Journal of Intelligent Material Systems and Structures, 2014, 25, 1553-1565. | 2.5 | 10 |
| 64 | A new SMA shell element based on the corotational formulation. Computational Mechanics, 2014, 54, 1315-1329. | 4.0 | 17 |
| 65 | A corotational flat triangular element for large strain analysis of thin shells with application to soft biological tissues. Computational Mechanics, 2014, 54, 847-864. | 4.0 | 11 |
| 66 | Modeling, Simulation, and Performance Evaluation of a Novel Microfluidic Impedance Cytometer for Morphology-Based Cell Discrimination. Journal of Microelectromechanical Systems, 2014, 23, 785-794. | 2.5 | 20 |
| 67 | An impedance-based flow microcytometer for single cell morphology discrimination. Lab on A Chip, 2014, 14, 2548. | 6.0 | 68 |
| 68 | Orientation Effects and Anisotropy of Properties in 2â€“2 and Related Composites. Springer Series in Materials Science, 2014, , 43-88. | 0.6 | 1 |
| 69 | Orientation Effects in Single-Domain Single Crystals. Springer Series in Materials Science, 2014, , 25-42. | 0.6 | 0 |
| 70 | Orientation Effects and Anisotropy of Properties in 0â€“3 Composites. Springer Series in Materials Science, 2014, , 127-153. | 0.6 | 0 |
| 71 | Polar decomposition based corotational framework for triangular shell elements with distributed loads. International Journal for Numerical Methods in Engineering, 2013, 95, 499-528. | 2.8 | 24 |
| 72 | Effective longitudinal shear moduli of periodic fibre-reinforced composites with functionally-graded fibre coatings. International Journal of Solids and Structures, 2013, 50, 1154-1163. | 2.7 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | A Continuous Model for the Dynamical Analysis of Mistuned Bladed Rotors. International Journal of Rotating Machinery, 2012, 2012, 1-10. | 0.8 | 4 |
| 74 | Anisotropy Factors and Hydrostatic Parameters of 1â€“3-Type Piezo-Active Composites with Auxetic Polymer Matrices. Ferroelectrics, 2012, 432, 92-102. | 0.6 | 2 |
| 75 | Closed-form formulas for the optimal pole-based design of tuned mass dampers. Journal of Sound and Vibration, 2012, 331, 2291-2314. | 3.9 | 43 |
| 76 | Electromechanical Coupling Factors of Novel 0â€“3â€“0 Composites Based on PMNâ€“xPT Single Crystals. Ferroelectrics, 2011, 422, 40-43. | 0.6 | 4 |
| 77 | Electromechanical coupling and its anisotropy in a novel 1â€“3â€“0 composite based on single-domain 0.58Pb(Mg1/3Nb2/3)O3â€“0.42PbTiO3 crystal. Composites Science and Technology, 2011, 71, 1082-1088. | 7.8 | 9 |
| 78 | Dynamical behavior of disordered rotationally periodic structures: A homogenization approach. Journal of Sound and Vibration, 2011, 330, 2608-2627. | 3.9 | 11 |
| 79 | Interrelations Between Microstructure and Piezoelectric Sensitivity in Novel 0â€“3â€“0 Composites Based on 0.67Pb(Mg<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>â€“ 0.33PbTiO<sub>3</sub>Single Crystal. Ferroelectrics, 2011, 413, 11-28. | 0.6 | 3 |
| 80 | Identification of key factors that reduce the variability of the single photon response. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7804-7807. | 7.1 | 31 |
| 81 | Analysis of the Piezoelectric Performance of Modern 0â€“3-Type Composites Based on Relaxor-Ferroelectric Single Crystals. Ferroelectrics, 2011, 413, 176-191. | 0.6 | 22 |
| 82 | Anisotropic piezoelectric properties of 1â€“3 ceramic / polymer composites comprising rods with elliptic cross section. Journal of Electroceramics, 2010, 25, 26-37. | 2.0 | 16 |
| 83 | Dynamics of mouse rod phototransduction and its sensitivity to variation of key parameters. IET Systems Biology, 2010, 4, 12-32. | 1.5 | 26 |
| 84 | Effective longitudinal shear moduli of periodic fibre-reinforced composites with radially-graded fibres. International Journal of Solids and Structures, 2010, 47, 383-397. | 2.7 | 16 |
| 85 | Kinetics of Rhodopsin Deactivation and Its Role in Regulating Recovery and Reproducibility of Rod Photoresponse. PLoS Computational Biology, 2010, 6, e1001031. | 3.2 | 23 |
| 86 | EIT-Inspired Microfluidic Cytometer for Single-Cell Dielectric Spectroscopy. Journal of Microelectromechanical Systems, 2010, 19, 1029-1040. | 2.5 | 33 |
| 87 | Homogenization limit and asymptotic decay for electrical conduction in biological tissues in the high radiofrequency range. Communications on Pure and Applied Analysis, 2010, 9, 1131-1160. | 0.8 | 14 |
| 88 | Exponential asymptotic stability for an elliptic equation with memory arising in electrical conduction in biological tissues. European Journal of Applied Mathematics, 2009, 20, 431-459. | 2.9 | 12 |
| 89 | Optimization of a passive vibration control scheme acting on a bladed rotor using an homogenized model. Structural and Multidisciplinary Optimization, 2009, 39, 625-636. | 3.5 | 7 |
| 90 | Mathematical aspects of Variability and Variability Suppression of the Single Photon Response in Vertebrate Phototransduction. Biophysical Journal, 2009, 96, 200a. | 0.5 | 0 |

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|---|---|---|---|
| 91 | Mechanical modeling of bend sensors exploited to measure human joint movements. , 2009, , . | | 12 |
| 92 | Stability and memory effects in a homogenized model governing the electrical conduction in biological tissues. Journal of Mechanics of Materials and Structures, 2009, 4, 211-223. | 0.6 | 11 |
| 93 | Estimation of the time since death: Sudden increase of ambient temperature. Forensic Science International, 2008, 176, 196-199. | 2.2 | 19 |
| 94 | Diffusion of the Second Messengers in the Cytoplasm Acts as a Variability Suppressor of the Single Photon Response in Vertebrate Phototransduction. Biophysical Journal, 2008, 94, 3363-3383. | 0.5 | 47 |
| 95 | A simple formula for the effective complex conductivity of periodic fibrous composites with interfacial impedance and applications to biological tissues. Journal Physics D: Applied Physics, 2008, 41, 115506. | 2.8 | 16 |
| 96 | Features of electromechanical properties of 1â€“3 composites based on PbTiO3-type ceramics. Journal Physics D: Applied Physics, 2008, 41, 035406. | 2.8 | 11 |
| 97 | Orientation Effects in 1â€“3 Composites Based on 0.93Pb(Zn<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>â€“ 0.07PbTiO<sub>3</sub>Single Crystals. Ferroelectrics, 2008, 376, 140-152. | 0.6 | 22 |
| 98 | Forced Damping Vibration of a Cantilever Beam. , 2008, , . | | 0 |
| 99 | Analysis of the vibration localization phenomenon in rotationally periodic structures using a homogenized model. , 2007, , . | | 0 |
| 100 | Frequency split and vibration localization in imperfect rings. Journal of Sound and Vibration, 2007, 306, 691-711. | 3.9 | 59 |
| 101 | Applications of homogenization techniques to the electrical conduction in biological tissues. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2010013-2010014. | 0.2 | 0 |
| 102 | Homogenization and concentration of capacity in the rod outer segment with incisures. Applicable Analysis, 2006, 85, 303-331. | 1.3 | 7 |
| 103 | Modeling the Role of Incisures in Vertebrate Phototransduction. Biophysical Journal, 2006, 91, 1192-1212. | 0.5 | 28 |
| 104 | Optimized electric networks for vibration damping of piezoactuated beams. Journal of Sound and Vibration, 2006, 289, 908-937. | 3.9 | 39 |
| 105 | On a hierarchy of models for electrical conduction in biological tissues. Mathematical Methods in the Applied Sciences, 2006, 29, 767-787. | 2.3 | 36 |
| 106 | <title>On the use of negative capacitances for vibration damping of piezoactuated structures</title>. , 2005, , . | | 3 |
| 107 | Existence and uniqueness for an elliptic problem with evolution arising in electrodynamics. Nonlinear Analysis: Real World Applications, 2005, 6, 367-380. | 1.7 | 14 |
| 108 | On the Choice of the Shunt Circuit for Single-mode Vibration Damping of Piezoactuated Structures. , 2005, , 389-400. | | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Some Mathematical Problems in Visual Transduction. Progress in Nonlinear Differential Equations and Their Application, 2005, , 65-80. | 0.9 | 2 |
| 110 | EVOLUTION AND MEMORY EFFECTS IN THE HOMOGENIZATION LIMIT FOR ELECTRICAL CONDUCTION IN BIOLOGICAL TISSUES. Mathematical Models and Methods in Applied Sciences, 2004, 14, 1261-1295. | 3.3 | 39 |
| 111 | Relaxation procedures for solving Signoriniâ€“Coulomb contact problems. Advances in Engineering Software, 2004, 35, 595-600. | 3.8 | 7 |
| 112 | An elliptic equation with history. Comptes Rendus Mathematique, 2004, 338, 595-598. | 0.3 | 10 |
| 113 | Homogenization and concentrated capacity for the heat equation with non-linear variational data in reticular almost disconnected structures and applications to visual transduction. Annali Di Matematica Pura Ed Applicata, 2003, 182, 375-407. | 1.0 | 17 |
| 114 | Homogenization limit for electrical conduction in biological tissues in the radio-frequency range. Comptes Rendus - Mecanique, 2003, 331, 503-508. | 2.1 | 14 |
| 115 | Mathematical Model of the Spatio-Temporal Dynamics of Second Messengers in Visual Transduction. Biophysical Journal, 2003, 85, 1358-1376. | 0.5 | 36 |
| 116 | Homogenization and concentrated capacity in reticular almost disconnected structures. Comptes Rendus Mathematique, 2002, 335, 329-332. | 0.3 | 6 |
| 117 | D-PANA: a convergent block-relaxation solution method for the discretized dual formulation of the Signoriniâ€“Coulomb contact problemâ€. Comptes Rendus Mathematique, 2001, 333, 1053-1058. | 0.5 | 12 |
| 118 | A layer-wise Reissnerâ€“Mindlin-type model for the vibration analysis and suppression of piezoactuated plates. Computers and Structures, 2001, 79, 2309-2319. | 4.4 | 21 |
| 119 | Finite element approximation of piezoelectric plates. International Journal for Numerical Methods in Engineering, 2001, 50, 1469-1499. | 2.8 | 22 |
| 120 | Evaluation of higher-order theories of piezoelectric plates in bending and in stretching. International Journal of Solids and Structures, 2001, 38, 8805-8830. | 2.7 | 37 |
| 121 | Polarization Fields in the Variational Analysis of the Linear Plezoelectric Problem. Nonconvex Optimization and Its Applications, 2001, , 161-175. | 0.1 | 0 |
| 122 | <title>Semi-active control of a thin piezoactuated structure</title>. , 2000, , . | | 7 |
| 123 | Mindlin-Type Finite Elements for Piezoelectric Sandwich Plates. Journal of Intelligent Material Systems and Structures, 2000, 11, 14-25. | 2.5 | 24 |
| 124 | Mindlin-Type Finite Elements for Piezoelectric Sandwich Plates. Journal of Intelligent Material Systems and Structures, 2000, 11, 14-25. | 2.5 | 2 |
| 125 | Consistent Hashin-Shtrikman Bounds on the Effective Properties of Periodic Composite Materials. Journal of Applied Mechanics, Transactions ASME, 1999, 66, 858-866. | 2.2 | 0 |
| 126 | Delamination of active layers in piezoelectric laminates. Solid Mechanics and Its Applications, 1999, , 137-150. | 0.2 | 0 |

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|---|---|---|---|
| 127 | The Saint-Venant Problem for Monoclinic Piezoelectric Cylinders. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1998, 78, 147-165. | 1.6 | 21 |
| 128 | The unilateral frictionless contact of a piezoelectric body with a rigid support. Mathematical and Computer Modelling, 1998, 28, 19-28. | 2.0 | 64 |
| 129 | Bounds on the overall properties of composites with debonded frictionless interfaces. Mechanics of Materials, 1998, 28, 23-32. | 3.2 | 38 |
| 130 | A Layer-Wise Laminate Theory Rationally Deduced From the Three-Dimenstonal Elasticity. Journal of Applied Mechanics, Transactions ASME, 1997, 64, 538-545. | 2.2 | 16 |
| 131 | Blow-up of solutions of a nonlinear parabolic equation in damage mechanics. European Journal of Applied Mathematics, 1997, 8, 89-123. | 2.9 | 12 |
| 132 | A Rational Deduction of Plate Theories from the Three-Dimensional Linear Elasticity. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 1997, 77, 349-366. | 1.6 | 20 |
| 133 | On methods for bounding the overall properties of periodic piezoelectric fibrous composites. Journal of the Mechanics and Physics of Solids, 1997, 45, 1329-1356. | 4.8 | 43 |
| 134 | Bounds on the off-diagonal coefficients of the homogenized constitutive tensor of a composite material. Mechanics Research Communications, 1996, 23, 239-245. | 1.8 | 4 |
| 135 | Variational bounds for the overall properties of piezoelectric composites. Journal of the Mechanics and Physics of Solids, 1996, 44, 583-602. | 4.8 | 73 |
| 136 | A Consistent Theory of Thin Piezoelectric Plates. Journal of Intelligent Material Systems and Structures, 1996, 7, 372-389. | 2.5 | 34 |
| 137 | An Exact Three-Dimensional Solution for Simply Supported Rectangular Piezoelectric Plates. Journal of Applied Mechanics, Transactions ASME, 1996, 63, 628-638. | 2.2 | 97 |
| 138 | Mohr's arbelos. Meccanica, 1995, 30, 417-424. | 2.0 | 4 |
| 139 | On the Fiber-Governed Bimodular Constitutive Models. , 1995, , 113-128. | | 3 |
| 140 | Hill's type a-priori relations among the elastic constants of a fiber-reinforced composite material. Mechanics Research Communications, 1993, 20, 447-457. | 1.8 | 0 |
| 141 | A potential theory for monotone multivalued operators. Quarterly of Applied Mathematics, 1993, 51, 613-631. | 0.7 | 21 |
| 142 | Refined Models for Vibration Analysis and Control of Thick Piezoelectric Laminates. , 0, , . | | 3 |
| 143 | Relaxation and Block-Relaxation Procedures for the Dual Formulation of the Signorini-Coulomb Frictional Contact. , 0, , . | | 0 |