

# Hu Gengkai

## List of Publications by Year in Descending Order

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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.

123  
papers

3,643  
citations

34  
h-index

56  
g-index

126  
ext. papers

4,445  
ext. citations

4  
avg, IF

6  
L-index

| #   | Paper                                                                                                                                                                                 | IF   | Citations |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 123 | Rational design of hyperelastic semi-linear material and its application to elastic wave control. <i>Mechanics of Materials</i> , <b>2022</b> , 166, 104237                           | 3.3  | 1         |
| 122 | A decoupling-design strategy for high sound absorption in subwavelength structures with air ventilation. <i>JASA Express Letters</i> , <b>2022</b> , 2, 033602                        |      |           |
| 121 | Interfacial wave between acoustic media with Willis coupling. <i>Wave Motion</i> , <b>2022</b> , 102922                                                                               | 1.8  | 0         |
| 120 | Mass-spring model of elastic media with customizable willis coupling. <i>International Journal of Mechanical Sciences</i> , <b>2022</b> , 224, 107325                                 | 5.5  | 0         |
| 119 | Design of elliptical underwater acoustic cloak with truss-latticed pentamode materials. <i>Theoretical and Applied Mechanics Letters</i> , <b>2022</b> , 100346                       | 1.8  | 0         |
| 118 | Wave characteristics of extremal elastic materials. <i>Extreme Mechanics Letters</i> , <b>2022</b> , 101789                                                                           | 3.9  | 2         |
| 117 | Odd elasticity realized by piezoelectric material with linear feedback. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2021</b> , 64, 1                                  | 3.6  | 2         |
| 116 | Tailored Mechanical Metamaterials with Programmable Quasi-Zero-Stiffness Features for Full-Band Vibration Isolation. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101428 | 15.6 | 13        |
| 115 | Tunable network sound absorber based on additive manufacturing. <i>Journal of the Acoustical Society of America</i> , <b>2021</b> , 150, 94                                           | 2.2  | 3         |
| 114 | Topological valley states in sonic crystals with Willis coupling. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 051903                                                          | 3.4  | 4         |
| 113 | Quadramode materials: Their design method and wave property. <i>Materials and Design</i> , <b>2021</b> , 210, 110038                                                                  | 3.1  | 5         |
| 112 | Small droplet bouncing on a deep pool. <i>Physics of Fluids</i> , <b>2020</b> , 32, 012107                                                                                            | 4.4  | 6         |
| 111 | Dirac degeneracy and elastic topological valley modes induced by local resonant states. <i>Physical Review B</i> , <b>2020</b> , 101,                                                 | 3.3  | 28        |
| 110 | Non-resonant metasurface for broadband elastic wave mode splitting. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 171903                                                        | 3.4  | 15        |
| 109 | Prestress-controlled asymmetric wave propagation and reciprocity-breaking in tensegrity metastructure. <i>Extreme Mechanics Letters</i> , <b>2020</b> , 37, 100724                    | 3.9  | 10        |
| 108 | Asymmetric droplet splashing. <i>Physical Review Fluids</i> , <b>2020</b> , 5,                                                                                                        | 2.8  | 1         |
| 107 | Creation of acoustic vortex knots. <i>Nature Communications</i> , <b>2020</b> , 11, 3956                                                                                              | 17.4 | 9         |

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| 106 | Highly anisotropic hexagonal lattice material for low frequency water sound insulation. <i>Extreme Mechanics Letters</i> , <b>2020</b> , 40, 100916                                                  | 3.9  | 6  |
| 105 | An active mechanical Willis meta-layer with asymmetric polarizabilities. <i>Nature Communications</i> , <b>2020</b> , 11, 3681                                                                       | 17.4 | 23 |
| 104 | Thermal-structural dynamic analysis of a satellite antenna with the cable-network and hoop-truss supports. <i>Journal of Thermal Stresses</i> , <b>2019</b> , 42, 1339-1356                          | 2.2  | 9  |
| 103 | Droplet Splashing on an Inclined Surface. <i>Physical Review Letters</i> , <b>2019</b> , 122, 054501                                                                                                 | 7.4  | 33 |
| 102 | Influences of imperfectness and inner constraints on an acoustic cloak with unideal pentamode materials. <i>Journal of Sound and Vibration</i> , <b>2019</b> , 458, 62-73                            | 3.9  | 17 |
| 101 | Designing 3D Digital Metamaterial for Elastic Waves: From Elastic Wave Polarizer to Vibration Control. <i>Advanced Science</i> , <b>2019</b> , 6, 1900401                                            | 13.6 | 14 |
| 100 | In-Plane Semi-Linear Cloaks with Arbitrary Shape. <i>Acta Mechanica Solida Sinica</i> , <b>2019</b> , 32, 277-286                                                                                    | 2    | 4  |
| 99  | Programmable elastic valley Hall insulator with tunable interface propagation routes. <i>Extreme Mechanics Letters</i> , <b>2019</b> , 28, 76-80                                                     | 3.9  | 36 |
| 98  | Thermoelastic Structural Analysis of Space Thin-Walled Beam Under Solar Flux. <i>AIAA Journal</i> , <b>2019</b> , 57, 1781-1785                                                                      | 2.1  | 7  |
| 97  | Wave boundary control method for vibration suppression of large net structures. <i>Acta Mechanica</i> , <b>2019</b> , 230, 3439-3456                                                                 | 2.1  | 3  |
| 96  | Theory and Realization of Nonresonant Anisotropic Singly Polarized Solids Carrying Only Shear Waves. <i>Physical Review Applied</i> , <b>2019</b> , 12,                                              | 4.3  | 10 |
| 95  | Broadband and High-Transmission Metasurface for Converting Underwater Cylindrical Waves to Plane Waves. <i>Physical Review Applied</i> , <b>2019</b> , 12,                                           | 4.3  | 20 |
| 94  | Digital Metamaterials: Designing 3D Digital Metamaterial for Elastic Waves: From Elastic Wave Polarizer to Vibration Control (Adv. Sci. 16/2019). <i>Advanced Science</i> , <b>2019</b> , 6, 1970097 | 13.6 | 78 |
| 93  | Topological phase transition in mechanical honeycomb lattice. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2019</b> , 122, 54-68                                                       | 5    | 56 |
| 92  | Two-dimensional water acoustic waveguide based on pressure compensation method. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 024902                                                   | 1.7  | 6  |
| 91  | Wave-based transfer matrix method for dynamic response of large net structures. <i>Journal of Sound and Vibration</i> , <b>2018</b> , 433, 265-286                                                   | 3.9  | 4  |
| 90  | Sound absorption by acoustic microlattice with optimized pore configuration. <i>Journal of the Acoustical Society of America</i> , <b>2018</b> , 144, EL138                                          | 2.2  | 15 |
| 89  | Inclusion problem in second gradient elasticity. <i>International Journal of Engineering Science</i> , <b>2018</b> , 132, 60-78                                                                      | 5.7  | 9  |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 88 | Tunable fluid-solid metamaterials for manipulation of elastic wave propagation in broad frequency range. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 221906                                   | 3.4 | 31  |
| 87 | Compact acoustic double negative metamaterial based on coexisting local resonances. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 244101                                                        | 3.4 | 5   |
| 86 | Experimental Study on Tunable Electromagnetic Shielding by Microlattice Materials with Organized Microstructures. <i>Advanced Engineering Materials</i> , <b>2018</b> , 20, 1700823                   | 3.5 | 1   |
| 85 | A programmable metasurface for real time control of broadband elastic rays. <i>Smart Materials and Structures</i> , <b>2018</b> , 27, 115011                                                          | 3.4 | 54  |
| 84 | Analytical and Experimental Investigation on Sound Transmission of Double Thin Plates with Magnetic Negative Stiffness. <i>International Journal of Applied Mechanics</i> , <b>2018</b> , 10, 1850054 | 2.4 | 7   |
| 83 | Dynamics of 1D mass-spring system with a negative stiffness spring realized by magnets: Theoretical and experimental study. <i>Theoretical and Applied Mechanics Letters</i> , <b>2017</b> , 7, 17-21 | 1.8 | 19  |
| 82 | A hybrid elastic metamaterial with negative mass density and tunable bending stiffness. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2017</b> , 105, 179-198                            | 5   | 125 |
| 81 | A low-frequency sound absorbing material with subwavelength thickness. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 221903                                                                     | 3.4 | 91  |
| 80 | Thermal shock induced dynamics of a spacecraft with a flexible deploying boom. <i>Acta Astronautica</i> , <b>2017</b> , 141, 123-131                                                                  | 2.9 | 17  |
| 79 | Broadband dual-anisotropic solid metamaterials. <i>Scientific Reports</i> , <b>2017</b> , 7, 13197                                                                                                    | 4.9 | 12  |
| 78 | Longitudinal elastic wave control by pre-deforming semi-linear materials. <i>Journal of the Acoustical Society of America</i> , <b>2017</b> , 142, 1229                                               | 2.2 | 4   |
| 77 | Broadband solid cloak for underwater acoustics. <i>Physical Review B</i> , <b>2017</b> , 95,                                                                                                          | 3.3 | 70  |
| 76 | Tunable Digital Metamaterial for Broadband Vibration Isolation at Low Frequency. <i>Advanced Materials</i> , <b>2016</b> , 28, 9857-9861                                                              | 2.4 | 102 |
| 75 | Smart three-dimensional lightweight structure triggered from a thin composite sheet via 3D printing technique. <i>Scientific Reports</i> , <b>2016</b> , 6, 22431                                     | 4.9 | 123 |
| 74 | Wrinkling of structured thin films via contrasted materials. <i>Soft Matter</i> , <b>2016</b> , 12, 3937-42                                                                                           | 3.6 | 13  |
| 73 | Design of arbitrary shaped pentamode acoustic cloak based on quasi-symmetric mapping gradient algorithm. <i>Journal of the Acoustical Society of America</i> , <b>2016</b> , 140, EL405               | 2.2 | 18  |
| 72 | Shape-adaptable hyperlens for acoustic magnifying imaging. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 224103                                                                                 | 3.4 | 15  |
| 71 | Wrinkling of the membrane with square rigid elements. <i>Europhysics Letters</i> , <b>2016</b> , 116, 24005                                                                                           | 1.6 | 4   |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 70 | Quasiconformal maps in transformation optics and their electrostatic analogs <b>2015</b> ,                                                                                                        |     | 1   |
| 69 | Pattern transformation of heat-shrinkable polymer by three-dimensional (3D) printing technique. <i>Scientific Reports</i> , <b>2015</b> , 5, 8936                                                 | 4.9 | 90  |
| 68 | Optimization on microlattice materials for sound absorption by an integrated transfer matrix method. <i>Journal of the Acoustical Society of America</i> , <b>2015</b> , 137, EL334-9             | 2.2 | 12  |
| 67 | Acoustic cloak constructed with thin-plate metamaterials. <i>International Journal of Smart and Nano Materials</i> , <b>2015</b> , 6, 73-83                                                       | 3.6 | 14  |
| 66 | Thermally Induced Dynamics of a Spinning Spacecraft with an Axial Flexible Boom. <i>Journal of Spacecraft and Rockets</i> , <b>2015</b> , 52, 1503-1508                                           | 1.5 | 12  |
| 65 | Latticed pentamode acoustic cloak. <i>Scientific Reports</i> , <b>2015</b> , 5, 15745                                                                                                             | 4.9 | 80  |
| 64 | Experimental study on interaction between a positive mass and a negative effective mass through a mass-spring system. <i>Theoretical and Applied Mechanics Letters</i> , <b>2015</b> , 5, 196-199 | 1.8 | 9   |
| 63 | Experimental study on acoustic subwavelength imaging based on zero-mass metamaterials. <i>Europhysics Letters</i> , <b>2015</b> , 109, 28001                                                      | 1.6 | 31  |
| 62 | WAVE CHARACTERISTICS IN CHIRAL LATTICE WITH LOCAL RESONATOR <b>2015</b> , 39-40                                                                                                                   |     |     |
| 61 | Heat flow control by transformation method with grid generation method. <i>Acta Mechanica Sinica</i> , <b>2014</b> , 27, 454-460                                                                  | 2   | 0   |
| 60 | A facile method to realize perfectly matched layers for elastic waves. <i>Wave Motion</i> , <b>2014</b> , 51, 1170-1178                                                                           | 1.8 | 7   |
| 59 | Analytical coupled vibroacoustic modeling of membrane-type acoustic metamaterials: membrane model. <i>Journal of the Acoustical Society of America</i> , <b>2014</b> , 136, 969                   | 2.2 | 94  |
| 58 | A finite element beam model including cross-section distortion in the absolute nodal coordinate formulation. <i>Nonlinear Dynamics</i> , <b>2014</b> , 77, 1019-1033                              | 5   | 39  |
| 57 | Experimental study on acoustic subwavelength imaging of holey-structured metamaterials by resonant tunneling. <i>Journal of the Acoustical Society of America</i> , <b>2014</b> , 135, 1686-91    | 2.2 | 27  |
| 56 | Sound reduction by metamaterial-based acoustic enclosure. <i>AIP Advances</i> , <b>2014</b> , 4, 124306                                                                                           | 1.5 | 8   |
| 55 | Effective medium theory of thin-plate acoustic metamaterials. <i>Journal of the Acoustical Society of America</i> , <b>2014</b> , 135, 1844-52                                                    | 2.2 | 43  |
| 54 | Ultrathin low-frequency sound absorbing panels based on coplanar spiral tubes or coplanar Helmholtz resonators. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 121901                        | 3.4 | 216 |
| 53 | Analytical coupled vibroacoustic modeling of membrane-type acoustic metamaterials: plate model. <i>Journal of the Acoustical Society of America</i> , <b>2014</b> , 136, 2926                     | 2.2 | 64  |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 52 | Dynamic effective models of two-dimensional acoustic metamaterials with cylindrical inclusions. <i>Acta Mechanica</i> , <b>2013</b> , 224, 1233-1241                                   | 2.1 | 13  |
| 51 | Constraint condition on transformation relation for generalized acoustics. <i>Wave Motion</i> , <b>2013</b> , 50, 170-178                                                              | 2.1 | 8   |
| 50 | Thermally induced vibrations of flexible beams using Absolute Nodal Coordinate Formulation. <i>Aerospace Science and Technology</i> , <b>2013</b> , 29, 386-393                        | 4.9 | 53  |
| 49 | Particle focusing in a microchannel with acoustic metafluid. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 031901                                                                | 3.4 | 2   |
| 48 | Explicit cross-link relations between effective elastic modulus and thermal conductivity for fiber composites. <i>Computational Materials Science</i> , <b>2012</b> , 51, 353-359      | 3.2 | 7   |
| 47 | Super-resolution imaging by resonant tunneling in anisotropic acoustic metamaterials. <i>Journal of the Acoustical Society of America</i> , <b>2012</b> , 132, 2800-6                  | 2.2 | 42  |
| 46 | Chiral effect in plane isotropic micropolar elasticity and its application to chiral lattices. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2012</b> , 60, 1907-1921     | 5   | 120 |
| 45 | Mechanism of dust removal by a standing wave electric curtain. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2012</b> , 55, 1018-1025                                    | 3.6 | 16  |
| 44 | Transformation ray method: controlling high frequency elastic waves (L). <i>Journal of the Acoustical Society of America</i> , <b>2012</b> , 132, 2942-5                               | 2.2 | 9   |
| 43 | Controlling elastic waves with isotropic materials. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 121904                                                                          | 3.4 | 42  |
| 42 | Superlensing effect of an anisotropic metamaterial slab with near-zero dynamic mass. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 263510                                         | 3.4 | 72  |
| 41 | Approximate method for controlling solid elastic waves by transformation media. <i>Physical Review B</i> , <b>2011</b> , 84,                                                           | 3.3 | 42  |
| 40 | Investigation of the negative-mass behaviors occurring below a cut-off frequency. <i>New Journal of Physics</i> , <b>2010</b> , 12, 103025                                             | 2.9 | 82  |
| 39 | Invisible cloak design with controlled constitutive parameters and arbitrary shaped boundaries through Helmholtz's equation: comment. <i>Optics Express</i> , <b>2010</b> , 18, 3917-8 | 3.3 | 1   |
| 38 | Design method for quasi-isotropic transformation materials based on inverse Laplace's equation with sliding boundaries. <i>Optics Express</i> , <b>2010</b> , 18, 6089-96              | 3.3 | 86  |
| 37 | Transformation method and wave control. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2010</b> , 26, 889-898                                                                          | 2   | 14  |
| 36 | Nonsingular two dimensional cloak of arbitrary shape. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 011107                                                                        | 3.4 | 45  |
| 35 | Analytic model of elastic metamaterials with local resonances. <i>Physical Review B</i> , <b>2009</b> , 79,                                                                            | 3.3 | 123 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 34 | A numerical method for designing acoustic cloak with arbitrary shapes. <i>Computational Materials Science</i> , <b>2009</b> , 46, 708-712                                              | 3.2 | 27  |
| 33 | Identification of material parameters of micropolar theory for composites by homogenization method. <i>Computational Materials Science</i> , <b>2009</b> , 46, 733-737                 | 3.2 | 10  |
| 32 | Design method for electromagnetic cloak with arbitrary shapes based on Laplace's equation. <i>Optics Express</i> , <b>2009</b> , 17, 1308-20                                           | 3.3 | 96  |
| 31 | Design method for electromagnetic cloak with arbitrary shapes based on Laplace's equation: erratum. <i>Optics Express</i> , <b>2009</b> , 17, 13070                                    | 3.3 | 6   |
| 30 | Experimental study on electromagnetic wave transparency for coated metallic cylinders. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 103112                                   | 2.5 | 9   |
| 29 | Elastic wave transparency of a solid sphere coated with metamaterials. <i>Physical Review B</i> , <b>2008</b> , 77,                                                                    | 3.3 | 38  |
| 28 | Experimental study on negative effective mass in a 1D mass-spring system. <i>New Journal of Physics</i> , <b>2008</b> , 10, 043020                                                     | 2.9 | 231 |
| 27 | Experimental study for metamaterials based on dielectric resonators and wire frame. <i>Metamaterials</i> , <b>2008</b> , 2, 220-226                                                    |     | 35  |
| 26 | Grating effect in negative permeability meta-material. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2008</b> , 372, 2692-2695                       | 2.3 |     |
| 25 | Overall plasticity of micropolar composites with interface effect. <i>Mechanics of Materials</i> , <b>2008</b> , 40, 721-733                                                           | 3.3 | 26  |
| 24 | Eshelby tensors for an ellipsoidal inclusion in a microstretch material. <i>International Journal of Solids and Structures</i> , <b>2007</b> , 44, 3049-3061                           | 3.1 | 10  |
| 23 | Effective moduli for micropolar composite with interface effect. <i>International Journal of Solids and Structures</i> , <b>2007</b> , 44, 8106-8118                                   | 3.1 | 34  |
| 22 | Effective viscoelastic behavior of particulate polymer composites at finite concentration. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2007</b> , 28, 297-307      | 3.2 | 7   |
| 21 | Overall elastoplastic property for micropolar composites with randomly oriented ellipsoidal inclusions. <i>Computational Materials Science</i> , <b>2006</b> , 37, 582-592             | 3.2 | 2   |
| 20 | Influence of fiber shape and size on overall elastoplastic property for micropolar composites. <i>International Journal of Solids and Structures</i> , <b>2006</b> , 43, 3025-3043     | 3.1 | 11  |
| 19 | Eshelby tensors for an ellipsoidal inclusion in a micropolar material. <i>International Journal of Engineering Science</i> , <b>2006</b> , 44, 595-605                                 | 5.7 | 18  |
| 18 | Micromechanical modeling of local field distribution for a planar composite under plastic deformation. <i>Acta Mechanica</i> , <b>2006</b> , 187, 139-149                              | 2.1 |     |
| 17 | Linear and nonlinear dielectric properties of particulate composites at finite concentration. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2006</b> , 27, 1021-1030 | 3.2 | 5   |

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| 16 | Stress transfer for a SMA fiber pulled out from an elastic matrix and related bridging effect. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2005</b> , 36, 1142-1151                                                                                                | 8.4 | 19  |
| 15 | A continuum micromechanical theory of overall plasticity for particulate composites including particle size effect. <i>International Journal of Plasticity</i> , <b>2005</b> , 21, 777-799                                                                                              | 7.6 | 57  |
| 14 | A variational method for non-linear micropolar composites. <i>Mechanics of Materials</i> , <b>2005</b> , 37, 407-425                                                                                                                                                                    | 3.3 | 42  |
| 13 | Influence of Gradual Interphase on Overall Elastic and Viscoelastic Properties of Particulate Composites. <i>Journal of Thermoplastic Composite Materials</i> , <b>2004</b> , 17, 411-425                                                                                               | 1.9 | 5   |
| 12 | A micromechanical method for particulate composites with finite particle concentration. <i>Mechanics of Materials</i> , <b>2004</b> , 36, 359-368                                                                                                                                       | 3.3 | 27  |
| 11 | Inclusion problem of microstretch continuum. <i>International Journal of Engineering Science</i> , <b>2004</b> , 42, 849-860                                                                                                                                                            | 3.6 | 25  |
| 10 | Effective in plane moduli of composites with a micropolar matrix and coated fibers. <i>International Journal of Solids and Structures</i> , <b>2004</b> , 41, 247-265                                                                                                                   | 3.1 | 31  |
| 9  | Size-dependence of overall in-plane plasticity for fiber composites. <i>International Journal of Solids and Structures</i> , <b>2004</b> , 41, 4713-4730                                                                                                                                | 3.1 | 14  |
| 8  | An analytical dislocation multiple-pile-up model for the yield stress of fully lamellar TiAl alloys. <i>Modelling and Simulation in Materials Science and Engineering</i> , <b>2003</b> , 11, 627-634                                                                                   | 2   |     |
| 7  | Mechanical behaviour of $\square 55 \square$ filament-wound glass-fibre/epoxy-resin tubes III. Macromechanical model of the macroscopic behaviour of tubular structures with damage and failure envelope prediction. <i>Composites Science and Technology</i> , <b>1998</b> , 58, 19-29 | 8.6 | 24  |
| 6  | Mechanical behaviour of $\square 55 \square$ filament-wound glass-fibre/epoxy-resin tubes: II. Micromechanical model of damage initiation and the competition between different mechanisms. <i>Composites Science and Technology</i> , <b>1997</b> , 57, 155-164                        | 8.6 | 13  |
| 5  | Micromechanical analysis of fatigue properties of metal-matrix composites. <i>Mechanics Research Communications</i> , <b>1997</b> , 24, 65-68                                                                                                                                           | 2.2 | 2   |
| 4  | Composite plasticity based on matrix average second order stress moment. <i>International Journal of Solids and Structures</i> , <b>1997</b> , 34, 1007-1015                                                                                                                            | 3.1 | 18  |
| 3  | A method of plasticity for general aligned spheroidal void or fiber-reinforced composites. <i>International Journal of Plasticity</i> , <b>1996</b> , 12, 439-449                                                                                                                       | 7.6 | 104 |
| 2  | Mixed mode fracture analysis of adhesive lap joints. <i>Composites Part B: Engineering</i> , <b>1995</b> , 5, 1043-1050                                                                                                                                                                 |     | 10  |
| 1  | Homogenization in a simpler way: analysis and optimization of periodic unit cells with CauchyBorn hypothesis. <i>Structural and Multidisciplinary Optimization</i> , 1                                                                                                                  | 3.6 | 1   |