

Muhammad Hajj

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.

148
papers

2,935
citations

30
h-index

48
g-index

166
ext. papers

3,517
ext. citations

3.6
avg, IF

5.82
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 148 | Performance analysis of bio-inspired transformable robotic fish tail. <i>Ocean Engineering</i> , 2022 , 244, 1104069 | 3.9 | 0 |
| 147 | Bio-inspired bistable piezoelectric energy harvester for powering animal telemetry tags: Conceptual design and preliminary experimental validation. <i>Renewable Energy</i> , 2022 , 187, 34-43 | 8.1 | 1 |
| 146 | Review of robot-based damage assessment for offshore wind turbines. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 158, 112187 | 16.2 | 4 |
| 145 | Lift enhancement by a flapped trailing edge at low Reynolds number: A frequency response approach. <i>Journal of Fluids and Structures</i> , 2022 , 110, 103518 | 3.1 | 1 |
| 144 | Artificial intelligence for hurricane storm surge hazard assessment. <i>Ocean Engineering</i> , 2022 , 245, 1104359 | 3.9 | 1 |
| 143 | Holographic mirrors for spatial ultrasound modulation in contactless acoustic energy transfer systems. <i>Applied Physics Letters</i> , 2021 , 119, 144101 | 3.4 | 4 |
| 142 | Modeling and identification of nonlinear piezoelectric material properties for energy harvesting 2021 , 147-185 | | |
| 141 | Single-degree-of-freedom model of displacement in vortex-induced vibrations. <i>Nonlinear Dynamics</i> , 2021 , 103, 1305-1320 | 5 | 2 |
| 140 | Hybrid tail excitation for robotic fish: Modeling and performance analysis. <i>Ocean Engineering</i> , 2021 , 234, 109296 | 3.9 | 2 |
| 139 | Spatial Variation in Sensitivity of Hurricane Surge Characteristics to Hurricane Parameters. <i>Journal of Engineering Mechanics - ASCE</i> , 2021 , 147, 04021070 | 2.4 | 2 |
| 138 | Ultra-broadband piezoelectric energy harvesting via bistable multi-hardening and multi-softening. <i>Nonlinear Dynamics</i> , 2020 , 100, 1057-1077 | 5 | 11 |
| 137 | Acoustic-electroelastic interactions in ultrasound energy transfer systems: Reduced-order modeling and experiment. <i>Journal of Sound and Vibration</i> , 2020 , 475, 115255 | 3.9 | 5 |
| 136 | Energy harvesting from iced-conductor inspired wake galloping. <i>Extreme Mechanics Letters</i> , 2020 , 35, 100633 | 3.9 | 17 |
| 135 | Dynamics of acoustic impedance matching layers in contactless ultrasonic power transfer systems. <i>Smart Materials and Structures</i> , 2020 , 29, 035037 | 3.4 | 5 |
| 134 | Broadband bimorph piezoelectric energy harvesting by exploiting bending-torsion of L-shaped structure. <i>Energy Conversion and Management</i> , 2020 , 206, 112503 | 10.6 | 27 |
| 133 | Analysis and prediction of shock formation in acoustic energy transfer systems. <i>Journal of Applied Physics</i> , 2020 , 128, 234902 | 2.5 | 3 |
| 132 | Hydrodynamic modeling and performance analysis of bio-inspired swimming. <i>Ocean Engineering</i> , 2020 , 197, 106897 | 3.9 | 4 |

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| 131 | On the onset of bifurcation and nonlinear characterization of vortex-induced vibrations under varying initial conditions. <i>Nonlinear Dynamics</i> , 2020 , 99, 575-592 | 5 | 3 |
| 130 | In memory of Professor Ali H. Nayfeh. <i>Nonlinear Dynamics</i> , 2020 , 99, 1-9 | 5 | 7 |
| 129 | Bio-inspired bi-stable piezoelectric harvester for broadband vibration energy harvesting. <i>Energy Conversion and Management</i> , 2020 , 222, 113174 | 10.6 | 42 |
| 128 | Nonlinear effects in high-intensity focused ultrasound power transfer systems. <i>Applied Physics Letters</i> , 2020 , 117, 064101 | 3.4 | 6 |
| 127 | Modeling and identification of electro-elastic nonlinearities in ultrasonic power transfer systems. <i>Nonlinear Dynamics</i> , 2020 , 99, 249-268 | 5 | 7 |
| 126 | A multi-frequency piezoelectric vibration energy harvester with liquid filled container as the proof mass. <i>Applied Physics Letters</i> , 2019 , 114, 213902 | 3.4 | 17 |
| 125 | Broadband and high-efficient L-shaped piezoelectric energy harvester based on internal resonance. <i>International Journal of Mechanical Sciences</i> , 2019 , 159, 287-305 | 5.5 | 35 |
| 124 | Optimal transition of flapping wing micro-air vehicles from hovering to forward flight. <i>Aerospace Science and Technology</i> , 2019 , 90, 246-263 | 4.9 | 16 |
| 123 | Phenomenological model of piezoelectric energy harvesting from galloping oscillations. <i>Applied Physics Letters</i> , 2019 , 115, 193701 | 3.4 | 3 |
| 122 | Effects of Flexible Propulsors on Hydrodynamic Forces. <i>IFAC-PapersOnLine</i> , 2019 , 52, 14-20 | 0.7 | |
| 121 | Hydrodynamic Performance of a Modular Biocomotion Emulator. <i>IFAC-PapersOnLine</i> , 2019 , 52, 1-7 | 0.7 | |
| 120 | Response variations of a cantilever beam tip mass system with nonlinear and linearized boundary conditions. <i>JVC/Journal of Vibration and Control</i> , 2019 , 25, 485-496 | 2 | 5 |
| 119 | Parameter sensitivity of cantilever beam with tip mass to parametric excitation. <i>Nonlinear Dynamics</i> , 2019 , 95, 3375-3384 | 5 | 8 |
| 118 | Wirelessly controlled harvester/sensor of air speed. <i>Multiscale and Multidisciplinary Modeling, Experiments and Design</i> , 2018 , 1, 97-101 | 1.4 | 1 |
| 117 | Passive control of transonic flutter with a nonlinear energy sink. <i>Nonlinear Dynamics</i> , 2018 , 91, 577-590 | 5 | 30 |
| 116 | Piezoelectric energy harvesting using L-shaped structures. <i>Journal of Intelligent Material Systems and Structures</i> , 2018 , 29, 1206-1215 | 2.3 | 19 |
| 115 | A Variational Approach for the Dynamics of Unsteady Point Vortices with Application to Impulsively Started Aerofoil 2018 , | | 1 |
| 114 | Autonomous self-powered water meter. <i>Applied Physics Letters</i> , 2018 , 113, 033902 | 3.4 | 7 |

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|-----|--|-----|----|
| 113 | Identification of nonlinear piezoelectric coefficients. <i>Journal of Applied Physics</i> , 2018 , 124, 065112 | 2.5 | 10 |
| 112 | Passive metamaterial-based acoustic holograms in ultrasound energy transfer systems 2018 , | | 5 |
| 111 | Power extraction from stall-induced oscillations of an airfoil. <i>Journal of Intelligent Material Systems and Structures</i> , 2018 , 29, 1407-1417 | 2.3 | 12 |
| 110 | A computational study of vortex shedding from a NACA-0012 airfoil at high angles of attack. <i>International Journal of Aerodynamics</i> , 2018 , 6, 1 | 0 | 4 |
| 109 | Stable, Planar Self Propulsion Using a Hinged Flap. <i>IFAC-PapersOnLine</i> , 2018 , 51, 395-399 | 0.7 | 3 |
| 108 | Piezoelectric energy harvesting from flexible delta wings. <i>Theoretical and Applied Mechanics Letters</i> , 2018 , 8, 267-271 | 1.8 | 4 |
| 107 | Integrated Thermoelectric Energy Generator and Organic Storage Device. <i>Energy Harvesting and Systems</i> , 2018 , 5, 73-79 | 4.4 | 2 |
| 106 | Acoustic holograms in contactless ultrasonic power transfer systems: Modeling and experiment. <i>Journal of Applied Physics</i> , 2018 , 124, 244901 | 2.5 | 19 |
| 105 | A variational approach for the dynamics of unsteady point vortices. <i>Aerospace Science and Technology</i> , 2018 , 78, 559-568 | 4.9 | 7 |
| 104 | Characterization of CdS and AgPt nanofillers used in organic capacitors. <i>Synthetic Metals</i> , 2017 , 223, 26-33 | 3.6 | 3 |
| 103 | Effect of embedding ZnO nanorods on nonlinear response of composite beams. <i>Nonlinear Dynamics</i> , 2017 , 90, 1179-1189 | 5 | 1 |
| 102 | Nonlinear performances of an autoparametric vibration-based piezoelastic energy harvester. <i>Journal of Intelligent Material Systems and Structures</i> , 2017 , 28, 254-271 | 2.3 | 24 |
| 101 | Geometric Control Approach to Longitudinal Stability of Flapping Flight. <i>Journal of Guidance, Control, and Dynamics</i> , 2016 , 39, 214-226 | 2.1 | 22 |
| 100 | Lift and Drag of Flapping Membrane Wings at High Angles of Attack 2016 , | | 6 |
| 99 | Integrated Piezoelectric Energy Harvesting and Organic Storage System. <i>Energy Harvesting and Systems</i> , 2016 , 3, 113-119 | 4.4 | 4 |
| 98 | Design Optimization of Flapping Ornithopters: The Pterosaur Replica in Forward Flight. <i>Journal of Aircraft</i> , 2016 , 53, 48-59 | 1.6 | 17 |
| 97 | Nonlinear Passive Control Strategies for Suppression of Transonic Flutter 2016 , | | 1 |
| 96 | Effects of combined hardening and free-play nonlinearities on the response of a typical aeroelastic section. <i>Aerospace Science and Technology</i> , 2016 , 50, 44-54 | 4.9 | 18 |

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|----|---|-----|----|
| 95 | Storage of energy harvested from a miniature turbine in a novel organic capacitor. <i>Journal of Energy Storage</i> , 2016 , 6, 232-238 | 7.8 | 11 |
| 94 | Airfoil control surface discontinuous nonlinearity experimental assessment and numerical model validation. <i>JVC/Journal of Vibration and Control</i> , 2016 , 22, 1633-1644 | 2 | 11 |
| 93 | Flow Control of Extreme Pressure Loads Associated with Flow Separation. <i>Journal of Engineering Mechanics - ASCE</i> , 2016 , 142, 04015068 | 2.4 | 2 |
| 92 | Effectiveness of a nonlinear energy sink in the control of an aeroelastic system. <i>Nonlinear Dynamics</i> , 2016 , 86, 2161-2177 | 5 | 39 |
| 91 | PIV Measurements of a plunging Airfoil at High Angles of Attack 2016 , | | 3 |
| 90 | Electromechanical decoupled model for cantilever-beam piezoelectric energy harvesters. <i>Applied Physics Letters</i> , 2016 , 109, 101908 | 3.4 | 44 |
| 89 | A novel imaging technique for measuring kinematics of light-weight flexible structures. <i>Review of Scientific Instruments</i> , 2016 , 87, 075108 | 1.7 | 1 |
| 88 | Use of thermoelectric generator for water flow metering. <i>Applied Physics Letters</i> , 2016 , 109, 033903 | 3.4 | 2 |
| 87 | Control of Extreme Loads on Structures Using Membrane Vibrations. <i>Journal of Engineering Mechanics - ASCE</i> , 2015 , 141, 04014146 | 2.4 | |
| 86 | Experimental investigation and performance modeling of centimeter-scale micro-wind turbine energy harvesters. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2015 , 147, 58-65 | 3.7 | 24 |
| 85 | Experimental-Based Unified Unsteady Nonlinear Aerodynamic Modeling For Two-Dimensional Airfoils 2015 , | | 5 |
| 84 | Experimental analysis of energy harvesting from self-induced flutter of a composite beam. <i>Applied Physics Letters</i> , 2015 , 107, 023901 | 3.4 | 52 |
| 83 | Effects of aerodynamic modeling on the optimal wing kinematics for hovering MAVs. <i>Aerospace Science and Technology</i> , 2015 , 45, 39-49 | 4.9 | 16 |
| 82 | Energy harvesting from an autoparametric vibration absorber. <i>Smart Materials and Structures</i> , 2015 , 24, 115012 | 3.4 | 29 |
| 81 | Experimental Investigations of the Lift Frequency Response at High Angles of Attack 2015 , | | 2 |
| 80 | The need for higher-order averaging in the stability analysis of hovering, flapping-wing flight. <i>Bioinspiration and Biomimetics</i> , 2015 , 10, 016002 | 2.6 | 42 |
| 79 | State-space representation of the unsteady aerodynamics of flapping flight. <i>Aerospace Science and Technology</i> , 2014 , 34, 1-11 | 4.9 | 97 |
| 78 | Nonlinear analysis and enhancement of wing-based piezoaeroelastic energy harvesters. <i>Journal of Sound and Vibration</i> , 2014 , 333, 166-177 | 3.9 | 31 |

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| 77 | Design and performance of variable-shaped piezoelectric energy harvesters. <i>Journal of Intelligent Material Systems and Structures</i> , 2014 , 25, 174-186 | 2.3 | 96 |
| 76 | Performance analysis of galloping-based piezoaeroelastic energy harvesters with different cross-section geometries. <i>Journal of Intelligent Material Systems and Structures</i> , 2014 , 25, 246-256 | 2.3 | 85 |
| 75 | Thermal energy storage in porous materials with adsorption and desorption of moisture. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 69, 285-292 | 4.9 | 20 |
| 74 | Geometrically-exact unsteady model for airfoils undergoing large amplitude maneuvers. <i>Aerospace Science and Technology</i> , 2014 , 39, 293-306 | 4.9 | 29 |
| 73 | Effect of the aerodynamic-induced parametric excitation on the longitudinal stability of hovering MAVs/insects. <i>Nonlinear Dynamics</i> , 2014 , 78, 2399-2408 | 5 | 35 |
| 72 | Modeling, validation, and performance of low-frequency piezoelectric energy harvesters. <i>Journal of Intelligent Material Systems and Structures</i> , 2014 , 25, 1429-1444 | 2.3 | 46 |
| 71 | Piezoelectric energy harvesting from hybrid vibrations. <i>Smart Materials and Structures</i> , 2014 , 23, 025026 | 3.4 | 47 |
| 70 | Calculus of Variations Approach for Optimum Maneuverability of Flapping Micro-Air-Vehicles Near Hover. <i>Journal of Guidance, Control, and Dynamics</i> , 2014 , 37, 1367-1373 | 2.1 | 3 |
| 69 | Longitudinal Flight Dynamics of Hovering MAVs/Insects. <i>Journal of Guidance, Control, and Dynamics</i> , 2014 , 37, 970-979 | 2.1 | 54 |
| 68 | Investigation on the Effectiveness of a Nonlinear Energy Sink on an Aeroelastic System 2014 , | | 3 |
| 67 | Nonlinear Dynamics Characterization of Piezoelectric Energy Harvesters from Hybrid Vibrations 2014 , | | 2 |
| 66 | Incident flow effects on the performance of piezoelectric energy harvesters from galloping vibrations. <i>Theoretical and Applied Mechanics Letters</i> , 2014 , 4, 022002 | 1.8 | 26 |
| 65 | Role of wing morphing in thrust generation. <i>Theoretical and Applied Mechanics Letters</i> , 2014 , 4, 032003 | 1.8 | 5 |
| 64 | Modeling and nonlinear analysis of piezoelectric energy harvesting from transverse galloping. <i>Smart Materials and Structures</i> , 2013 , 22, 025016 | 3.4 | 102 |
| 63 | Temperature impact on the performance of galloping-based piezoaeroelastic energy harvesters. <i>Smart Materials and Structures</i> , 2013 , 22, 055026 | 3.4 | 27 |
| 62 | A geometric control approach for optimum maneuverability of flapping wing MAVs near hover 2013 , | | 1 |
| 61 | An analytical and experimental investigation into limit-cycle oscillations of an aeroelastic system. <i>Nonlinear Dynamics</i> , 2013 , 71, 159-173 | 5 | 63 |
| 60 | Wing Kinematics Optimization for Hovering Micro Air Vehicles Using Calculus of Variation. <i>Journal of Aircraft</i> , 2013 , 50, 610-614 | 1.6 | 38 |

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|----|--|-----|-----|
| 59 | Saturation-based actuation for flapping MAVs in hovering and forward flight. <i>Nonlinear Dynamics</i> , 2013 , 73, 1125-1138 | 5 | 9 |
| 58 | Nonlinear dynamics of galloping-based piezoaeroelastic energy harvesters. <i>European Physical Journal: Special Topics</i> , 2013 , 222, 1483-1501 | 2.3 | 13 |
| 57 | Unsteady Nonlinear Aerodynamics of Hovering MAVs/Insects 2013 , | | 14 |
| 56 | Performance enhancement of wing-based piezoaeroelastic energy harvesting through freeplay nonlinearity. <i>Theoretical and Applied Mechanics Letters</i> , 2013 , 3, 041001 | 1.8 | 30 |
| 55 | Aerodynamic-Dynamic Interaction and Longitudinal Stability of Hovering MAVs/Insects 2013 , | | 7 |
| 54 | Power Generation From Galloping-based Piezoaeroelastic Energy Harvesters for Different Cross-Section Geometries 2013 , | | 2 |
| 53 | A low-dimensional tool for predicting force decomposition coefficients for varying inflow conditions. <i>Progress in Computational Fluid Dynamics</i> , 2013 , 13, 368 | 0.7 | 8 |
| 52 | Modeling and analysis of piezoaeroelastic energy harvesters. <i>Nonlinear Dynamics</i> , 2012 , 67, 925-939 | 5 | 139 |
| 51 | Global nonlinear distributed-parameter model of parametrically excited piezoelectric energy harvesters. <i>Nonlinear Dynamics</i> , 2012 , 67, 1147-1160 | 5 | 120 |
| 50 | Effects of nonlinear piezoelectric coupling on energy harvesters under direct excitation. <i>Nonlinear Dynamics</i> , 2012 , 67, 1221-1232 | 5 | 69 |
| 49 | Normal form representation of the aeroelastic response of the Goland wing. <i>Nonlinear Dynamics</i> , 2012 , 67, 1847-1861 | 5 | 14 |
| 48 | Piezoelectric energy harvesting from an oscillating wing 2012 , | | 1 |
| 47 | Flight dynamics and control of flapping-wing MAVs: a review. <i>Nonlinear Dynamics</i> , 2012 , 70, 907-939 | 5 | 110 |
| 46 | Power harvesting from transverse galloping of square cylinder. <i>Nonlinear Dynamics</i> , 2012 , 70, 1355-1363 | | 99 |
| 45 | Phenomena and modeling of piezoelectric energy harvesting from freely oscillating cylinders. <i>Nonlinear Dynamics</i> , 2012 , 70, 1377-1388 | 5 | 89 |
| 44 | Global optimization of actively morphing flapping wings. <i>Journal of Fluids and Structures</i> , 2012 , 33, 210-228 | | 51 |
| 43 | Aeroelastic analysis and nonlinear dynamics of an elastically mounted wing. <i>Journal of Sound and Vibration</i> , 2012 , 331, 5774-5787 | 3.9 | 16 |
| 42 | Sensitivity analysis of piezoaeroelastic energy harvesters. <i>Journal of Intelligent Material Systems and Structures</i> , 2012 , 23, 1523-1531 | 2.3 | 46 |

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| 41 | Uncertainty Quantification of Piezoelectric Energy Harvesters from Aeroelastic Vibrations. <i>MATEC Web of Conferences</i> , 2012 , 1, 03007 | 0.3 | 2 |
| 40 | Camber Effects on the Power Harvesting from Piezoaeroelastic Systems. <i>MATEC Web of Conferences</i> , 2012 , 1, 03008 | 0.3 | |
| 39 | Design of piezoaeroelastic energy harvesters. <i>Nonlinear Dynamics</i> , 2012 , 68, 519-530 | 5 | 89 |
| 38 | Enhancement of power harvesting from piezoaeroelastic systems. <i>Nonlinear Dynamics</i> , 2012 , 68, 531-545 | 5 | 65 |
| 37 | Bifurcation analysis of an aeroelastic system with concentrated nonlinearities. <i>Nonlinear Dynamics</i> , 2012 , 69, 57-70 | 5 | 24 |
| 36 | Optimization of Wing Kinematics for Hovering MAVs Using Calculus of Variation 2012 , | | 1 |
| 35 | Quantification of ejecta from shock loaded metal surfaces 2012 , | | 7 |
| 34 | Experimental Identification of Concentrated Nonlinearity in Aeroelastic System. <i>MATEC Web of Conferences</i> , 2012 , 1, 03001 | 0.3 | |
| 33 | Release of stored thermochemical energy from dehydrated salts. <i>International Journal of Heat and Mass Transfer</i> , 2011 , 54, 4856-4863 | 4.9 | 22 |
| 32 | Multi-physics modelling and sensitivity analysis of olympic rowing boat dynamics. <i>Sports Engineering</i> , 2011 , 14, 85-94 | 1.4 | 2 |
| 31 | Parameter sensitivities to damage progression. <i>Structural Control and Health Monitoring</i> , 2011 , 18, 481-495 | 4.9 | 1 |
| 30 | Thermochemical Energy Storage Using Salt Hydrates 2010 , | | 1 |
| 29 | Deterministic Global Optimization of Flapping Wing Motion for Micro Air Vehicles 2010 , | | 5 |
| 28 | Uncertainty analysis near bifurcation of an aeroelastic system. <i>Journal of Sound and Vibration</i> , 2010 , 329, 3335-3347 | 3.9 | 26 |
| 27 | Modeling of thermochemical energy storage by salt hydrates. <i>International Journal of Heat and Mass Transfer</i> , 2010 , 53, 5700-5706 | 4.9 | 64 |
| 26 | Hydrodynamic Stability of a Periodically Unsteady Swirling Jet. <i>Journal of Engineering Mechanics - ASCE</i> , 2009 , 135, 1000-1005 | 2.4 | |
| 25 | Low-Frequency Variations of Force Coefficients on Square Cylinders with Sharp and Rounded Corners. <i>Journal of Structural Engineering</i> , 2009 , 135, 828-835 | 3 | 3 |
| 24 | Nonlinear Response Characteristics of the Flexible HSCT Semispan Model Over Different Flight Regimes 2008 , | | 1 |

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| 23 | Higher-Order Spectral Analysis of Limit Cycle Oscillations of Fighter Aircraft. <i>Journal of Aircraft</i> , 2008 , 45, 1917-1923 | 1.6 | 9 |
| 22 | Interrogative Testing for Nonlinear Identification of Aeroelastic Systems. <i>AIAA Journal</i> , 2008 , 46, 2657-2658 | | 6 |
| 21 | Extreme value distributions for peak pressure and load coefficients. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2008 , 96, 1111-1123 | 3.7 | 21 |
| 20 | Theoretically estimated peak wind loads. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2007 , 95, 113-132 | 3.7 | 30 |
| 19 | Peak Wind Load Comparison: Theoretical Estimates and ASCE 7. <i>Journal of Structural Engineering</i> , 2006 , 132, 1150-1157 | 3 | 10 |
| 18 | Flutter of High-Speed Civil Transport Flexible Semispan Model: Time Frequency Analysis. <i>Journal of Aircraft</i> , 2006 , 43, 743-748 | 1.6 | 5 |
| 17 | Analysis Tools for the Detection of Intermittent Nonlinear Aeroelastic Phenomena. <i>Journal of Aircraft</i> , 2006 , 43, 1082-1088 | 1.6 | 9 |
| 16 | Characterization of the LCO Response Behaviors of the NATA model 2006 , | | 4 |
| 15 | Analysis Tools for the Detection of Intermittent Nonlinear Aeroelastic Phenomena 2005 , | | 1 |
| 14 | Higher-Order Spectral Analysis of a Nonlinear Pitch and Plunge Apparatus 2005 , | | 10 |
| 13 | Nonlinear Flutter Aspects of the Flexible High-Speed Civil Transport Semispan Model. <i>Journal of Aircraft</i> , 2004 , 41, 1202-1208 | 1.6 | 22 |
| 12 | A Model for the Coupled Lift and Drag on a Circular Cylinder 2003 , 1289 | | 19 |
| 11 | Performance of hemi-cylindrical and rectangular submerged breakwaters. <i>Ocean Engineering</i> , 2003 , 30, 813-828 | 3.9 | 14 |
| 10 | Pressures on a surface-mounted rectangular prism under varying incident turbulence. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2003 , 91, 1095-1115 | 3.7 | 15 |
| 9 | A time-resolved DPIV study of the unsteady character of the flow over a surface-mounted prism. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2002 , 90, 543-553 | 3.7 | 6 |
| 8 | Reflection and Transmission of Waves over Submerged Breakwaters. <i>Journal of Engineering Mechanics - ASCE</i> , 2001 , 127, 99-105 | 2.4 | 17 |
| 7 | Wind tunnel simulation of time variations of turbulence and effects on pressure on surface-mounted prisms. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2000 , 88, 197-212 | 3.7 | 8 |
| 6 | Intermittency of Energy-Containing Scales in Atmospheric Surface Layer. <i>Journal of Engineering Mechanics - ASCE</i> , 1999 , 125, 797-803 | 2.4 | 6 |

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| 5 | Velocity-pressure correlation in stagnation and separation regions on surface-mounted prisms. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 1998 , 77-78, 567-578 | 3-7 | 2 |
| 4 | Stability characteristics of a periodically unsteady mixing layer. <i>Physics of Fluids</i> , 1997 , 9, 392-398 | 4-4 | 5 |
| 3 | Spatial Coherence in the Wake of a Flat Plate. <i>Applied Mechanics Reviews</i> , 1997 , 50, S36-S38 | 8-6 | |
| 2 | Wavelet analysis of the relation between atmospheric wind and pressure fluctuations on a low-rise building. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 1997 , 69-71, 647-655 | 3-7 | 9 |
| 1 | Characterization of turbulence scales in the atmospheric surface layer with the continuous wavelet transform. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 1997 , 69-71, 709-716 | 3-7 | 4 |