# Rolanas Dauksevicius

List of Publications by Year
in descending order



| 36 | 338 | 933264 | 887953 |
|---|---|---|---|
| papers | citations | 10 h-index | 17 g-index |

| 40 | 40 | 40 | 353 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Strength and elastic properties of 3D printed PVDF-based parts for lightweight biomedical applications. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 120, 104603. | 1.5 | 13 |
| 2 | Fused filament fabrication and mechanical performance of PVDF-based specialty thermoplastics. International Journal of Advanced Manufacturing Technology, 2021, 117, 3267-3280. | 1.5 | 2 |
| 3 | Numerical and experimental study of a novel body-mounted piezoelectric energy harvester based on synchronized multi-magnet excitation. , 2019, , . | | 1 |
| 4 | Nonlinear piezoelectric vibration energy harvester with frequency-tuned impacting resonators for improving broadband performance at low frequencies. Smart Materials and Structures, 2019, 28, 025025. | 1.8 | 24 |
| 5 | Experimental study of multi-magnet excitation for enhancing micro-power generation in piezoelectric vibration energy harvester. Mechanika, 2019, 25, 219-224. | 0.3 | 2 |
| 6 | Design of UV-crosslinked polymeric thin layers for encapsulation of piezoelectric ZnO nanowires for pressure-based fingerprint sensors. Journal of Materials Chemistry C, 2018, 6, 605-613. | 2.7 | 16 |
| 7 | Direct observation of spontaneous polarization induced electron charge transfer in stressed ZnO nanorods. Nano Energy, 2018, 43, 376-382. | 8.2 | 6 |
| 8 | Analysis of magnetic plucking dynamics in a frequency up-converting piezoelectric energy harvester. Smart Materials and Structures, 2018, 27, 085016. | 1.8 | 22 |
| 9 | Rational Design Approach for Enhancing Higher-Mode Response of a Microcantilever in Vibro-Impacting Mode. Sensors, 2017, 17, 2884. | 2.1 | 4 |
| 10 | Segmentation of a Vibro-Shock Cantilever-Type Piezoelectric Energy Harvester Operating in Higher Transverse Vibration Modes. Sensors, 2016, 16, 11. | 2.1 | 29 |
| 11 | UV-crosslinked Polymeric Materials for Encapsulation of ZnO Nanowires in Piezoelectric Fingerprint Sensors. Procedia Engineering, 2016, 168, 1135-1139. | 1.2 | 3 |
| 12 | Piezo-force and Vibration Analysis of ZnO Nanowire Arrays for Sensor Application. Procedia Engineering, 2016, 168, 1192-1195. | 1.2 | 9 |
| 13 | Finite Element Analysis of Polymer-encapsulated ZnO Nanowire-based Sensor Array Intended for Pressure Sensing in Biometric Applications. Procedia Engineering, 2016, 168, 864-867. | 1.2 | 4 |
| 14 | Multiphysics Model of Encapsulated Piezoelectric-semiconducting Nanowire with Schottky Contacts and External Capacitive Circuit. Procedia Engineering, 2015, 120, 896-901. | 1.2 | 5 |
| 15 | Enhanced pressure response in ZnO nanorods due to spontaneous polarization charge. , 2015, , . | | 2 |
| 16 | Influence of contact point location on dynamical and electrical responses of impactâ€type vibration energy harvester based on piezoelectric transduction. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2014, 94, 898-903. | 0.9 | 3 |
| 17 | Frequency up-converting Vibration Energy Harvester with Multiple Impacting Beams for Enhanced Wideband Operation at Low Frequencies. Procedia Engineering, 2014, 87, 1517-1520. | 1.2 | 5 |
| 18 | Study of Vibration Milling for Improving Surface Finish of Difficult-to-Cut Materials. Strojniski Vestnik/Journal of Mechanical Engineering, 2013, 57, 351-357. | 0.6 | 26 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Validation of Noninvasive MOEMS-Assisted Measurement System Based on CCD Sensor for Radial Pulse Analysis. Sensors, 2013, 13, 5368-5380. | 2.1 | 20 |
| 20 | SEGMENTATION OF PIEZOELECTRIC LAYERS BASED ON THE NUMERICAL STUDY OF NORMAL STRAIN DISTRIBUTIONS IN BIMORPH CANTILEVERS VIBRATING IN THE SECOND TRANSVERSE MODE. Mechanika, 2013, 19, . | 0.3 | 0 |
| 21 | Flexible and Robust Multilayer Micro-Vibrational Harvesters for High Acceleration Environments. Journal of Physics: Conference Series, 2013, 476, 012113. | 0.3 | 3 |
| 22 | Multiphysics finite element model of a frequency-amplifying piezoelectric energy harvester with impact coupling for low-frequency vibrations. Journal of Physics: Conference Series, 2013, 476, 012090. | 0.3 | 4 |
| 23 | Numericalâ€“experimental identification of the most effective dynamic operation mode of a vibration drilling tool for improved cutting performance. Journal of Sound and Vibration, 2012, 331, 5175-5190. | 2.1 | 7 |
| 24 | RESIDUAL STRESS IN A THIN-FILM MICROOPTOELECTROMECHANICAL (MOEMS) MEMBRANE. Mechanika, 2012, 18, . | 0.3 | 2 |
| 25 | NON-INVASIE MICRO-OPTO-ELECTRO-MECHANICAL SYSTEM ADAPTATION TO RADIAL BLOOD FLOW PULSE AND VELOCITY ANALYSIS. Mechanika, 2012, 18, . | 0.3 | 2 |
| 26 | Finite element analysis of piezoelectric microgeneratorâ€“towards optimal configuration. Procedia Engineering, 2010, 5, 1312-1315. | 1.2 | 7 |
| 27 | An approach based on tool mode control for surface roughness reduction in high-frequency vibration cutting. Journal of Sound and Vibration, 2010, 329, 4866-4879. | 2.1 | 60 |
| 28 | Technological Realization of MEMS Structures and Their Experimental Investigation. Intelligent Systems, Control and Automation: Science and Engineering, 2010, , 185-214. | 0.3 | 0 |
| 29 | Dynamics of Elastic Vibro-Impact Microsystems. Intelligent Systems, Control and Automation: Science and Engineering, 2010, , 53-132. | 0.3 | 0 |
| 30 | Modeling and Simulation of Contact-Type Electrostatic Microactuator. Intelligent Systems, Control and Automation: Science and Engineering, 2010, , 11-52. | 0.3 | 0 |
| 31 | Theoretical Analysis of a Micromotor. Intelligent Systems, Control and Automation: Science and Engineering, 2010, , 133-183. | 0.3 | 0 |
| 32 | Numerical Analysis of Dynamic Effects of a Nonlinear Vibro-Impact Process for Enhancing the Reliability of Contact-Type MEMS Devices. Sensors, 2009, 9, 10201-10216. | 2.1 | 18 |
| 33 | Numerical analysis of fluidâ€“structure interaction effects on vibrations of cantilever microstructure. Journal of Sound and Vibration, 2007, 308, 660-673. | 2.1 | 26 |
| 34 | Investigation of Electrostatic Cantilever-Type Micromechanical Actuator. Solid State Phenomena, 2006, 113, 179-184. | 0.3 | 0 |
| 35 | Design, fabrication, and simulation of cantilever-type electrostatic micromechanical switch. , 2005, 5763, 436. | | 6 |
| 36 | Finite Element Modeling and Simulation of Squeezed-Film Effects in a Vibrating MEMS Structure. Solid State Phenomena, 0, 147-149, 314-319. | 0.3 | 0 |