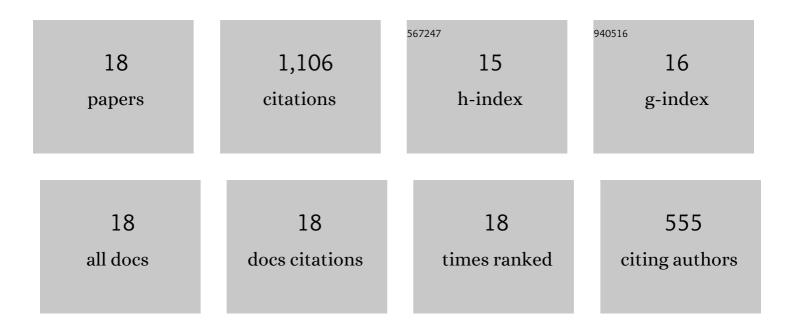
## Masoud Rahaeifard

List of Publications by Year in descending order

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Investigation of the size-dependent dynamic characteristics of atomic force microscope<br>microcantilevers based on the modified couple stress theory. International Journal of Engineering<br>Science, 2010, 48, 1985-1994.                 | 5.0 | 182       |
| 2  | A strain gradient functionally graded Euler–Bernoulli beam formulation. International Journal of<br>Engineering Science, 2012, 52, 65-76.  | 5.0 | 165       |
| 3  | A nonlinear strain gradient beam formulation. International Journal of Engineering Science, 2011, 49, 1256-1267.   | 5.0 | 155       |
| 4  | Static pull-in analysis of microcantilevers based on the modified couple stress theory. Sensors and Actuators A: Physical, 2011, 171, 370-374.   | 4.1 | 134       |
| 5  | Investigation of the size effects in Timoshenko beams based on the couple stress theory. Archive of Applied Mechanics, 2011, 81, 863-874.  | 2.2 | 115       |
| 6  | Size-dependent pull-in phenomena in nonlinear microbridges. International Journal of Mechanical<br>Sciences, 2012, 54, 306-310.  | 6.7 | 64        |
| 7  | Mechanical behavior analysis of size-dependent micro-scaled functionally graded Timoshenko beams by strain gradient elasticity theory. Composite Structures, 2013, 102, 72-80.   | 5.8 | 44        |
| 8  | A size-dependent model for coupled 3D deformations of nonlinear microbridges. International<br>Journal of Engineering Science, 2016, 100, 171-182.   | 5.0 | 43        |
| 9  | Strain gradient formulation of functionally graded nonlinear beams. International Journal of Engineering Science, 2013, 65, 49-63.   | 5.0 | 39        |
| 10 | Vibration analysis of electrostatically actuated nonlinear microbridges based on the modified couple stress theory. Applied Mathematical Modelling, 2015, 39, 6694-6704.   | 4.2 | 32        |
| 11 | Nonlinear dynamic analysis of a V-shaped microcantilever of an atomic force microscope. Applied<br>Mathematical Modelling, 2011, 35, 5903-5919.  | 4.2 | 29        |
| 12 | A size-dependent yield criterion. International Journal of Engineering Science, 2014, 74, 151-161.   | 5.0 | 27        |
| 13 | Size dependent thermal buckling and postbuckling of functionally graded circular microplates based on modified couple stress theory. Journal of Thermal Stresses, 2018, 41, 1-16.  | 2.0 | 27        |
| 14 | On pull-in instabilities of microcantilevers. International Journal of Engineering Science, 2015, 87, 23-31.   | 5.0 | 21        |
| 15 | Size-dependent dynamic behavior of microcantilevers under suddenly applied DC voltage. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 896-906.                        | 2.1 | 16        |
| 16 | Investigation of the fatigue behavior of adhesive bonding of the lithium disilicate glass ceramic with<br>three resin cements using rotating fatigue method. Journal of the Mechanical Behavior of Biomedical<br>Materials, 2016, 61, 62-69. | 3.1 | 8         |
| 17 | Vibration control of vehicle suspension system using adaptive critic-based neurofuzzy controller. , 2009, , .  |     | 3         |
| 18 | Spindle Speed Variation for Regenerative Chatter Suppression in Turning Process With Tool Wear Effect. , 2010, , .   |     | 2         |