

Hamed Mobki

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Applied Mechatronics: On Mitigating Disturbance Effects in MEMS Resonators Using Robust Nonsingular Terminal Sliding Mode Controllers. <i>Machines</i> , 2022, 10, 34.	2.2	4
2	Applied Mechatronics: Designing a Sliding Mode Controller for Active Suspension System. <i>Complexity</i> , 2021, 2021, 1-23.	1.6	12
3	A New Procedure for Linearizing Dynamic Error and Establishing Absolute Robustness to Lipschitz Nonlinearity. <i>Journal of Control, Automation and Electrical Systems</i> , 2020, 31, 625-635.	2.0	0
4	On the implementation of adaptive sliding mode robust controller in the stabilization of electrically actuated micro-tunable capacitor. <i>Microsystem Technologies</i> , 2020, 26, 3903-3916.	2.0	8
5	Investigation of nonlinear dynamic behavior of a capacitive carbon nano-tube based electromechanical switch considering van der Waals force. <i>Microsystem Technologies</i> , 2019, 25, 461-475.	2.0	6
6	Design and simulation of a MEMS analog micro-mirror with improved rotation angle. <i>Microsystem Technologies</i> , 2019, 25, 1099-1109.	2.0	5
7	Multi input versus single input sliding mode for closed-loop control of capacitive micro structures. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	5
8	Investigation of dynamic instability of three plates switch under step DC voltage actuation using modified couple stress theory. <i>Latin American Journal of Solids and Structures</i> , 2018, 15, .	1.0	3
9	A new MEMS based variable capacitor with wide tunability, high linearity and low actuation voltage. <i>Microelectronics Journal</i> , 2015, 46, 191-197.	2.0	10
10	DESIGN, SIMULATION AND BIFURCATION ANALYSIS OF A NOVEL MICROMACHINED TUNABLE CAPACITOR WITH EXTENDED TUNABILITY. <i>Transactions of the Canadian Society for Mechanical Engineering</i> , 2014, 38, 15-29.	0.8	9
11	Nonlinear behavior of a nano-scale beam considering length scale-parameter. <i>Applied Mathematical Modelling</i> , 2014, 38, 1881-1895.	4.2	25
12	A comprehensive study of stability in an electro-statically actuated micro-beam. <i>International Journal of Non-Linear Mechanics</i> , 2013, 48, 78-85.	2.6	48
13	On the size-dependent behavior of a capacitive circular micro-plate considering the variable length-scale parameter. <i>International Journal of Mechanical Sciences</i> , 2013, 77, 333-342.	6.7	51
14	On the tunability of a MEMS based variable capacitor with a novel structure. <i>Microsystem Technologies</i> , 2011, 17, 1447-1452.	2.0	16