Hamed Mobki

List of Publications by Year
in descending order

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14	202	1163117 8	1125743 13
papers	citations	h-index	g-index

14	14	14	137
all docs	docs citations	times ranked	citing authors

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