

# Feras K Alfosail

## List of Publications by Year in descending order

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22  
papers

347  
citations

932766

10  
h-index

839053

18  
g-index

22  
all docs

22  
docs citations

22  
times ranked

253  
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear and nonlinear dynamics of micro and nano-resonators: Review of recent advances. International Journal of Non-Linear Mechanics, 2020, 119, 103328.	1.4	97
2	Two-to-one internal resonance of MEMS arch resonators. International Journal of Non-Linear Mechanics, 2018, 107, 64-72.	1.4	40
3	Theoretical and experimental investigations of the crossover phenomenon in micromachined arch resonator: part II—simultaneous 1:1 and 2:1 internal resonances. Nonlinear Dynamics, 2020, 99, 407-432.	2.7	32
4	Theoretical and experimental investigations of the crossover phenomenon in micromachined arch resonator: part I—linear problem. Nonlinear Dynamics, 2020, 99, 393-405.	2.7	25
5	Theoretical and Experimental Investigation of Two-to-One Internal Resonance in MEMS Arch Resonators. Journal of Computational and Nonlinear Dynamics, 2019, 14, .	0.7	23
6	On the response of MEMS resonators under generic electrostatic loadings: experiments and applications. Nonlinear Dynamics, 2019, 95, 2263-2274.	2.7	19
7	Natural frequencies and mode shapes of statically deformed inclined risers. International Journal of Non-Linear Mechanics, 2017, 94, 12-19.	1.4	18
8	Eco-friendly, cost-effective silica-based protective coating for an A6092/SiC/17.5p aluminum metal matrix composite. Electrochimica Acta, 2013, 89, 749-755.	2.6	14
9	Electrochemical behavior of a discontinuously A6092/SiC/17.5p metal matrix composite in chloride containing solution. Electrochimica Acta, 2013, 88, 129-134.	2.6	13
10	Multifrequency excitation of an inclined marine riser under internal resonances. Nonlinear Dynamics, 2020, 99, 149-171.	2.7	11
11	An analytic solution of the static problem of inclined risers conveying fluid. Meccanica, 2017, 52, 1175-1187.	1.2	9
12	Three-to-one internal resonance of inclined marine riser. International Journal of Non-Linear Mechanics, 2019, 109, 107-117.	1.4	9
13	Two-to-one internal resonance of an inclined marine riser under harmonic excitations. Nonlinear Dynamics, 2019, 95, 1301-1321.	2.7	7
14	On the response of MEMS resonators under generic electrostatic loadings: theoretical analysis. Nonlinear Dynamics, 2019, 97, 967-977.	2.7	6
15	A state space approach for the eigenvalue problem of marine risers. Meccanica, 2018, 53, 747-757.	1.2	5
16	On the Application of the Multiple Scales Method on Electrostatically Actuated Resonators. Journal of Computational and Nonlinear Dynamics, 2019, 14, .	0.7	5
17	Effect of changing the silica coating pH on the corrosion characteristics of A6092/SiC/17.5p aluminum metal matrix composite in chloride media. Electrochimica Acta, 2013, 107, 518-524.	2.6	4
18	Deposition, characterization and electrochemical properties of silica-phosphate composite coatings formed over A6092/SiC/17.5p aluminum metal matrix composite. Electrochimica Acta, 2013, 109, 168-172.	2.6	3

#	ARTICLE	IF	CITATIONS
19	Natural Frequencies and Mode Shapes of Statically Deformed Inclined Risers. , 2016, , .		3
20	Nonparametric identification of a micro-electromechanical resonator. Mechanical Systems and Signal Processing, 2021, 161, 107932.	4.4	3
21	Nonparametric Identification of a Nonlinear MEMS Resonator. , 2022, , 405-415.		1
22	Experimental and Theoretical Study of Two-to-One Internal Resonance of MEMS Resonators. , 2018, , .		0