

# Ahmad Shahba

## List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Free vibration and stability of tapered Euler-Bernoulli beams made of axially functionally graded materials. <i>Applied Mathematical Modelling</i> , 2012, 36, 3094-3111.	4.2	185
2	Free Vibration and Stability of Axially Functionally Graded Tapered Euler-Bernoulli Beams. <i>Shock and Vibration</i> , 2011, 18, 683-696.	0.6	92
3	Basic displacement functions for free vibration analysis of non-prismatic Timoshenko beams. <i>Finite Elements in Analysis and Design</i> , 2010, 46, 916-929.	3.2	54
4	A Mechanical-Based Solution for Axially Functionally Graded Tapered Euler-Bernoulli Beams. <i>Mechanics of Advanced Materials and Structures</i> , 2013, 20, 696-707.	2.6	45
5	Stabilized tetrahedral elements for crystal plasticity finite element analysis overcoming volumetric locking. <i>Computational Mechanics</i> , 2016, 57, 733-753.	4.0	44
6	Dynamic basic displacement functions in free vibration analysis of centrifugally stiffened tapered beams; a mechanical solution. <i>Meccanica</i> , 2011, 46, 1267-1281.	2.0	30
7	Analysis of Non-Prismatic Timoshenko Beams Using Basic Displacement Functions. <i>Advances in Structural Engineering</i> , 2011, 14, 319-332.	2.4	27
8	Coupled phase field finite element model for crack propagation in elastic polycrystalline microstructures. <i>International Journal of Fracture</i> , 2019, 219, 31-64.	2.2	25
9	Free Vibration Analysis of Centrifugally Stiffened Tapered Functionally Graded Beams. <i>Mechanics of Advanced Materials and Structures</i> , 2013, 20, 331-338.	2.6	20
10	Basic Displacement Functions in Analysis of Centrifugally Stiffened Tapered Beams. <i>Arabian Journal for Science and Engineering</i> , 2011, 36, 841-853.	1.1	9
11	Derivation of an Efficient Non-Prismatic Thin Curved Beam Element Using Basic Displacement Functions. <i>Shock and Vibration</i> , 2012, 19, 187-204.	0.6	8
12	Basic displacement functions for centrifugally stiffened tapered beams. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2011, 27, 1385-1397.	2.1	6
13	Free Vibration Analysis of Non-uniform Thin Curved Arches and Rings Using Adomian Modified Decomposition Method. <i>Arabian Journal for Science and Engineering</i> , 2012, 37, 965-976.	1.1	6