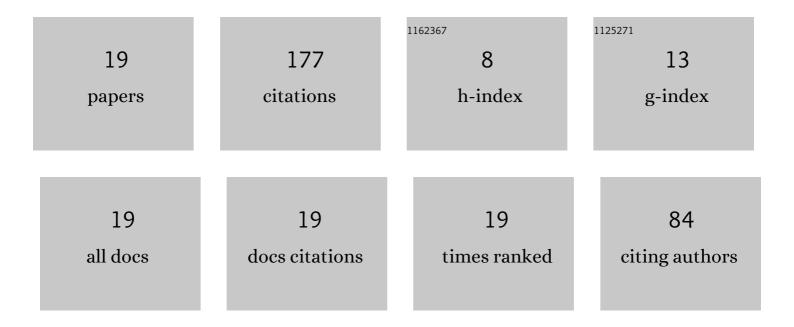
Mohammad Rasoul Delfani

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Scattering of an anti-plane shear wave by an embedded cylindrical micro-/nano-fiber within couple stress theory with micro inertia. International Journal of Solids and Structures, 2015, 58, 73-90.	1.3	40
2	Overall properties of particulate composites with periodic microstructure in second strain gradient theory of elasticity. Mechanics of Materials, 2017, 113, 89-101.	1.7	17
3	A novel nonlinear constitutive relation for graphene and its consequence for developing closed-form expressions for Young's modulus and critical buckling strain of single-walled carbon nanotubes. Acta Mechanica, 2011, 222, 91-101.	1.1	15
4	Determination of the scattered fields of an SH-wave by an eccentric coating-fiber ensemble using DEIM. International Journal of Engineering Science, 2008, 46, 1136-1146.	2.7	13
5	3D elastodynamic fields of non-uniformly coated obstacles: Notion of eigenstress and eigenbody-force fields. Mechanics of Materials, 2009, 41, 989-999.	1.7	13
6	Elastic field of a spherical inclusion with non-uniform eigenfields in second strain gradient elasticity. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20170254.	1.0	10
7	Spherical inclusion with time-harmonic eigenfields in strain gradient elasticity considering the effect of micro inertia. International Journal of Solids and Structures, 2018, 155, 57-64.	1.3	9
8	An exact analysis for the hoop elasticity and pressure-induced twist of CNT-nanovessels and CNT-nanopipes. Mechanics of Materials, 2015, 82, 47-62.	1.7	8
9	Uniform motion of an edge dislocation within Mindlin's first strain gradient elasticity. International Journal of Mechanical Sciences, 2020, 179, 105701.	3.6	8
10	An enhanced continuum modeling of the ideal strength and the angle of twist in tensile behavior of single-walled carbon nanotubes. Journal of Applied Physics, 2013, 114, .	1.1	7
11	A large-deformation thin plate theory with application to one-atom-thick layers. Journal of the Mechanics and Physics of Solids, 2016, 87, 65-85.	2.3	7
12	Interaction of a straight screw dislocation with a circular cylindrical inhomogeneity in the context of second strain gradient theory of elasticity. Mechanics of Materials, 2019, 139, 103208.	1.7	7
13	Extended theory of elastica for free torsional, longitudinal, and radial breathing vibrations of single-walled carbon nanotubes. Journal of Sound and Vibration, 2017, 403, 104-128.	2.1	5
14	Elastic and plastic fields induced by a screw dislocation in a nanowire within Mindlin's second strain gradient theory. Applied Mathematical Modelling, 2022, 109, 77-97.	2.2	5
15	Frank network of dislocations within Mindlin's second strain gradient theory of elasticity. International Journal of Mechanical Sciences, 2019, 164, 105150.	3.6	4
16	Effective Shear Modulus of Functionally Graded Fibrous Composites in Second Strain Gradient Elasticity. Journal of Elasticity, 2019, 137, 43-62.	0.9	4
17	Two-Dimensional Elastica Model for Describing the Flexural Behavior of Single-Walled Carbon Nanotubes. Journal of Elasticity, 2017, 126, 173-199.	0.9	2
18	Elastic fields due to a suddenly expanding spherical inclusion within Mindlin's first strain-gradient theory. Continuum Mechanics and Thermodynamics, 2022, 34, 697-719.	1.4	2

#	Article	IF	CITATIONS
19	Dual ideal shear strengths for chiral single-walled carbon nanotubes. International Journal of Non-Linear Mechanics, 2020, 120, 103382.	1.4	1