

Sai Sidhardh

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

402
citations

759055

12
h-index

794469

19
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26
all docs

26
docs citations

26
times ranked

250
citing authors

#	ARTICLE	IF	CITATIONS
1	Displacement-driven approach to nonlocal elasticity. <i>European Journal of Mechanics, A/Solids</i> , 2022, 92, 104434.	2.1	15
2	Fractional-Order Shell Theory: Formulation and Application to the Analysis of Nonlocal Cylindrical Panels. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2022, 89, .	1.1	4
3	Towards a unified approach to nonlocal elasticity via fractional-order mechanics. <i>International Journal of Mechanical Sciences</i> , 2021, 189, 105992.	3.6	35
4	Fractional-Order models for the static and dynamic analysis of nonlocal plates. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 95, 105601.	1.7	13
5	Applications of Distributed-Order Fractional Operators: A Review. <i>Entropy</i> , 2021, 23, 110.	1.1	45
6	Analysis of the Postbuckling Response of Nonlocal Plates Via Fractional-Order Continuum Theory. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2021, 88, .	1.1	4
7	Nonlinear thermoelastic fractional-order model of nonlocal plates: Application to postbuckling and bending response. <i>Thin-Walled Structures</i> , 2021, 164, 107809.	2.7	8
8	Thermodynamics of fractional-order nonlocal continua and its application to the thermoelastic response of beams. <i>European Journal of Mechanics, A/Solids</i> , 2021, 88, 104238.	2.1	15
9	Fractional-order structural stability: Formulation and application to the critical load of nonlocal slender structures. <i>International Journal of Mechanical Sciences</i> , 2021, 201, 106443.	3.6	6
10	Geometrically nonlinear response of a fractional-order nonlocal model of elasticity. <i>International Journal of Non-Linear Mechanics</i> , 2020, 125, 103529.	1.4	29
11	A Ritz-based finite element method for a fractional-order boundary value problem of nonlocal elasticity. <i>International Journal of Solids and Structures</i> , 2020, 202, 398-417.	1.3	41
12	Geometrically nonlinear analysis of nonlocal plates using fractional calculus. <i>International Journal of Mechanical Sciences</i> , 2020, 179, 105710.	3.6	24
13	Size-Dependent Responses of Timoshenko Beam Incorporating the Strain Gradient Theories of Elasticity. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 175-183.	0.3	0
14	Exact solutions for flexoelectric response in elastic dielectric nanobeams considering generalized constitutive gradient theories. <i>International Journal of Mechanics and Materials in Design</i> , 2019, 15, 427-446.	1.7	9
15	Size-dependent Eshelby's ellipsoidal inclusion problem based on generalized first strain gradient elasticity theory. <i>Mathematics and Mechanics of Solids</i> , 2019, 24, 2251-2273.	1.5	2
16	Static analysis of flexoelectric nanobeams incorporating surface effects using element free Galerkin method. <i>European Journal of Mechanics, A/Solids</i> , 2019, 76, 13-24.	2.1	23
17	Dispersion curves for Rayleigh-Lamb waves in a micro-plate considering strain gradient elasticity. <i>Wave Motion</i> , 2019, 86, 91-109.	1.0	9
18	Exact solutions for elastic response in micro- and nano-beams considering strain gradient elasticity. <i>Mathematics and Mechanics of Solids</i> , 2019, 24, 895-918.	1.5	13

#	ARTICLE	IF	CITATIONS
19	Element-free Galerkin model of nano-beams considering strain gradient elasticity. <i>Acta Mechanica</i> , 2018, 229, 2765-2786.	1.1	19
20	Flexomagnetic response of nanostructures. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	35
21	Exact solutions for static electro-mechanical response of doubly curved smart laminated shells. <i>Thin-Walled Structures</i> , 2018, 133, 71-84.	2.7	4
22	Effective properties of flexoelectric fiber-reinforced nanocomposite. <i>Materials Today Communications</i> , 2018, 17, 114-123.	0.9	10
23	Exact solution for size-dependent elastic response in laminated beams considering generalized first strain gradient elasticity. <i>Composite Structures</i> , 2018, 204, 31-42.	3.1	14
24	Inclusion problem for a generalized strain gradient elastic continuum. <i>Acta Mechanica</i> , 2018, 229, 3813-3831.	1.1	8
25	Effect of nonlocal elasticity on the performance of a flexoelectric layer as a distributed actuator of nanobeams. <i>International Journal of Mechanics and Materials in Design</i> , 2018, 14, 297-311.	1.7	14
26	Fractional order models for the homogenization and wave propagation analysis in periodic elastic beams. <i>Meccanica</i> , 0, , 1.	1.2	3