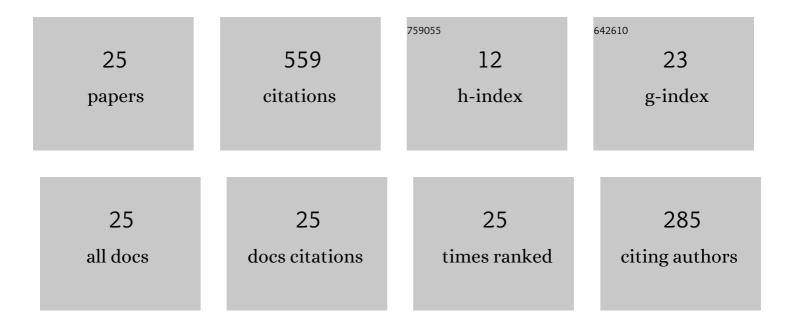
Sansit Patnaik

List of Publications by Year in descending order

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SANGIT DATNAIK

#	Article	lF	CITATIONS
1	On the fractional homogenization of one-dimensional elastic metamaterials with viscoelastic foundation. Archive of Applied Mechanics, 2023, 93, 261-286.	1.2	5
2	Variable-order approach to nonlocal elasticity: theoretical formulation, order identification via deep learning, and applications. Computational Mechanics, 2022, 69, 267-298.	2.2	16
3	Displacement-driven approach to nonlocal elasticity. European Journal of Mechanics, A/Solids, 2022, 92, 104434.	2.1	15
4	Fractional-Order Shell Theory: Formulation and Application to the Analysis of Nonlocal Cylindrical Panels. Journal of Applied Mechanics, Transactions ASME, 2022, 89, .	1.1	4
5	Multiscale nonlocal elasticity: A distributed order fractional formulation. International Journal of Mechanical Sciences, 2022, 226, 107381.	3.6	11
6	On the role of the microstructure in the deformation of porous solids. Npj Computational Materials, 2022, 8, .	3.5	9
7	Towards a unified approach to nonlocal elasticity via fractional-order mechanics. International Journal of Mechanical Sciences, 2021, 189, 105992.	3.6	35
8	Fractional-Order models for the static and dynamic analysis of nonlocal plates. Communications in Nonlinear Science and Numerical Simulation, 2021, 95, 105601.	1.7	13
9	Applications of Distributed-Order Fractional Operators: A Review. Entropy, 2021, 23, 110.	1.1	45
10	Variable-order fracture mechanics and its application to dynamic fracture. Npj Computational Materials, 2021, 7, .	3.5	12
11	Analysis of the Postbuckling Response of Nonlocal Plates Via Fractional-Order Continuum Theory. Journal of Applied Mechanics, Transactions ASME, 2021, 88, .	1.1	4
12	Nonlinear thermoelastic fractional-order model of nonlocal plates: Application to postbuckling and bending response. Thin-Walled Structures, 2021, 164, 107809.	2.7	8
13	Thermodynamics of fractional-order nonlocal continua and its application to the thermoelastic response of beams. European Journal of Mechanics, A/Solids, 2021, 88, 104238.	2.1	15
14	Fractional-order structural stability: Formulation and application to the critical load of nonlocal slender structures. International Journal of Mechanical Sciences, 2021, 201, 106443.	3.6	6
15	Nonlocal elastic metasurfaces: Enabling broadband wave control via intentional nonlocality. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26099-26108.	3.3	56
16	A generalized fractional-order elastodynamic theory for non-local attenuating media. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200200.	1.0	25
17	Geometrically nonlinear response of a fractional-order nonlocal model of elasticity. International Journal of Non-Linear Mechanics, 2020, 125, 103529.	1.4	29
18	Variable-order particle dynamics: formulation and application to the simulation of edge dislocations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190290.	1.6	13

SANSIT PATNAIK

#	Article	IF	CITATIONS
19	A Ritz-based finite element method for a fractional-order boundary value problem of nonlocal elasticity. International Journal of Solids and Structures, 2020, 202, 398-417.	1.3	41
20	Applications of variable-order fractional operators: a review. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20190498.	1.0	129
21	Application of variable- and distributed-order fractional operators to the dynamic analysis of nonlinear oscillators. Nonlinear Dynamics, 2020, 100, 561-580.	2.7	33
22	Geometrically nonlinear analysis of nonlocal plates using fractional calculus. International Journal of Mechanical Sciences, 2020, 179, 105710.	3.6	24
23	Modeling Contacts and Hysteretic Behavior in Discrete Systems Via Variable-Order Fractional Operators. Journal of Computational and Nonlinear Dynamics, 2020, 15, .	0.7	6
24	Modeling Nonlinear Oscillators via Variable-Order Fractional Operators. , 2019, , .		2
25	Fractional order models for the homogenization and wave propagation analysis in periodic elastic beams. Meccanica, 0, , 1.	1.2	3