

# Shobhit Jain

## List of Publications by Year in descending order

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11  
papers

301  
citations

1040056

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1281871

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g-index

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docs citations

11  
times ranked

122  
citing authors

#	ARTICLE	IF	CITATIONS
1	How to compute invariant manifolds and their reduced dynamics in high-dimensional finite element models. <i>Nonlinear Dynamics</i> , 2022, 107, 1417-1450.	5.2	45
2	Using spectral submanifolds for optimal mode selection in nonlinear model reduction. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, 20200725.	2.1	10
3	Integral equations and model reduction for fast computation of nonlinear periodic response. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 4637-4659.	2.8	2
4	Model order reduction for temperature-dependent nonlinear mechanical systems: A multiple scales approach. <i>Journal of Sound and Vibration</i> , 2020, 465, 115022.	3.9	12
5	Model reduction to spectral submanifolds and forced-response calculation in high-dimensional mechanical systems. <i>Journal of Sound and Vibration</i> , 2020, 488, 115640.	3.9	33
6	Hyper-Reduction Over Nonlinear Manifolds for Large Nonlinear Mechanical Systems. <i>Journal of Computational and Nonlinear Dynamics</i> , 2019, 14, .	1.2	9
7	Fast computation of steady-state response for high-degree-of-freedom nonlinear systems. <i>Nonlinear Dynamics</i> , 2019, 97, 313-341.	5.2	16
8	Exact nonlinear model reduction for a von Kármán beam: Slow-fast decomposition and spectral submanifolds. <i>Journal of Sound and Vibration</i> , 2018, 423, 195-211.	3.9	42
9	Simulation-Free Hyper-Reduction for Geometrically Nonlinear Structural Dynamics: A Quadratic Manifold Lifting Approach. <i>Journal of Computational and Nonlinear Dynamics</i> , 2018, 13, .	1.2	13
10	A quadratic manifold for model order reduction of nonlinear structural dynamics. <i>Computers and Structures</i> , 2017, 188, 80-94.	4.4	76
11	Generalization of quadratic manifolds for reduced order modeling of nonlinear structural dynamics. <i>Computers and Structures</i> , 2017, 192, 196-209.	4.4	43