

# Denis Brizard

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

150  
citations

1307594

7  
h-index

1199594

12  
g-index

20  
all docs

20  
docs citations

20  
times ranked

105  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polynomial mode approximations for longitudinal wave dispersion in solid and hollow circular cylinders. <i>Journal of Sound and Vibration</i> , 2022, 523, 116698.	3.9	0
2	elwaspatid: A Python package to compute space-time diagrams for the propagation of elastic waves in 1D rods. <i>Journal of Open Source Software</i> , 2022, 7, 4418.	4.6	0
3	An Impact Test to Determine the Wave Speed in SHPB: Measurement and Uncertainty. <i>Journal of Dynamic Behavior of Materials</i> , 2020, 6, 45-52.	1.7	5
4	Time-Domain Response of Damped Stochastic Multiple-Degree-of-Freedom Systems. <i>Journal of Engineering Mechanics - ASCE</i> , 2020, 146, 06019005.	2.9	2
5	A Krigingâ€“NARX Model for Uncertainty Quantification of Nonlinear Stochastic Dynamical Systems in Time Domain. <i>Journal of Engineering Mechanics - ASCE</i> , 2020, 146, .	2.9	25
6	Uncertainty Quantification of Stochastic Impact Dynamic Oscillator Using a Proper Orthogonal Decomposition-Polynomial Chaos Expansion Technique. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2020, 142, .	1.6	10
7	Sensitivity analysis of complex engineering systems: Approaches study and their application to vehicle restraint system crash simulation. <i>Reliability Engineering and System Safety</i> , 2019, 187, 110-118.	8.9	13
8	Random dynamical system in time domain: A POD-PC model. <i>Mechanical Systems and Signal Processing</i> , 2019, 133, 106251.	8.0	22
9	A screening method to analyse the sensitivity of a lower limb multibody kinematic model. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2019, 22, 925-935.	1.6	2
10	Study of the possible relationships between tramway front-end geometry and pedestrian injury risk. <i>Traffic Injury Prevention</i> , 2019, 20, 107-113.	1.4	5
11	Polynomial mode approximation for longitudinal wave dispersion in circular rods. <i>Journal of Sound and Vibration</i> , 2019, 439, 388-397.	3.9	6
12	Uncertainty quantification and global sensitivity analysis of longitudinal wave propagation in circular bars. Application to SHPB device. <i>International Journal of Solids and Structures</i> , 2018, 134, 264-271.	2.7	6
13	Estimating Measurement Uncertainty on Stress-Strain Curves from SHPB. <i>Experimental Mechanics</i> , 2017, 57, 735-742.	2.0	13
14	In Vivo Assessment of Elasticity of Child Rib Cortical Bone Using Quantitative Computed Tomography. <i>Applied Bionics and Biomechanics</i> , 2017, 2017, 1-9.	1.1	4
15	Design and test of a friction damper to reduce engine vibrations on a space launcher. <i>Archive of Applied Mechanics</i> , 2013, 83, 799-815.	2.2	4
16	Determinantal method for locally modified structures. Application to the vibration damping of a space launcher. <i>Computational Mechanics</i> , 2012, 50, 631-644.	4.0	7
17	Performances of some reduced bases for the stability analysis of a disc/pads system in sliding contact. <i>Journal of Sound and Vibration</i> , 2011, 330, 703-720.	3.9	26