

# Denis Brizard

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8265402/publications.pdf>

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