

Eric Chatelet

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/411561/publications.pdf>

Version: 2024-02-01

24
papers

462
citations

933447

10
h-index

888059

17
g-index

24
all docs

24
docs citations

24
times ranked

348
citing authors

#	ARTICLE	IF	CITATIONS
1	Tactile perception by friction induced vibrations. Tribology International, 2011, 44, 1100-1110.	5.9	124
2	Contact of a Finger on Rigid Surfaces and Textiles: Friction Coefficient and Induced Vibrations. Tribology Letters, 2012, 48, 145-158.	2.6	50
3	Toward global modelling approaches for dynamic analyses of rotating assemblies of turbomachines. Journal of Sound and Vibration, 2005, 282, 163-178.	3.9	46
4	Parametrical experimental and numerical analysis on friction-induced vibrations by a simple frictional system. Tribology International, 2017, 112, 47-57.	5.9	43
5	Effect of multi-frequency parametric excitations on the dynamics of on-board rotor-bearing systems. Mechanism and Machine Theory, 2020, 145, 103660.	4.5	40
6	Validation of a new frictional law for simulating friction-induced vibrations of rough surfaces. Tribology International, 2018, 121, 468-480.	5.9	30
7	Correlation between friction-induced vibrations and tactile perception during exploration tasks of isotropic and periodic textures. Tribology International, 2018, 120, 330-339.	5.9	27
8	Dissipated energy and boundary condition effects associated to dry friction on the dynamics of vibrating structures. Mechanism and Machine Theory, 2011, 46, 479-491.	4.5	19
9	Tactile Perception and Friction-Induced Vibrations: Discrimination of Similarly Patterned Wood-Like Surfaces. IEEE Transactions on Haptics, 2017, 10, 409-417.	2.7	19
10	Nonlinear secondary noise sources for passive defect detection using ultrasound sensors. Journal of Sound and Vibration, 2017, 386, 283-294.	3.9	14
11	The role of mechanical stimuli on hedonistic and topographical discrimination of textures. Tribology International, 2020, 143, 106082.	5.9	10
12	Dry-whip phenomenon in on-board rotordynamics: Modeling and experimentation. Journal of Sound and Vibration, 2021, 513, 116398.	3.9	9
13	Influence of Contact States on the Dynamic Behavior of Rubbing Structures. , 2005, , 429.		5
14	Dynamic Instability Analysis of Internally Damped Rotors. , 2007, , 727.		5
15	Identification of real translational and rotational displacements of six-axial shakers with only six measured linear accelerations. Mechanical Systems and Signal Processing, 2021, 154, 107584.	8.0	5
16	Design of a tribometer for investigating tactile perception. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2018, 232, 773-784.	1.8	4
17	Tactile rendering of textures by an Electro-Active Polymer piezoelectric device: mimicking Friction-Induced Vibrations. Biotribology, 2022, 31, 100211.	1.9	4
18	Dynamic Analysis of Surface Scanning for Tactile Perception. , 2010, , .		3

#	ARTICLE	IF	CITATIONS
19	Acoustic Energy Transfer by Friction Induced Vibrations. Procedia Engineering, 2017, 199, 1356-1361.	1.2	3
20	Identification of Contact Area From Full Field Displacement Surface Measurements. , 2014, , .		1
21	Dynamics of on-board rotors on finite-length journal bearings subject to multi-axial and multi-frequency excitations: numerical and experimental investigations. Mechanics and Industry, 2021, 22, 35.	1.3	1
22	Energy transfer by a secondary acoustic source through Friction-Induced Vibrations: A power flow analysis. Journal of Sound and Vibration, 2019, 463, 114962.	3.9	0
23	Toward Global Modeling Approaches for Dynamic Analyses of Rotating Assemblies of Turbomachines. , 2003, , .		0
24	DAMPING INDUCED BY DRY FRICTION: ANALYSES AND EXPERIMENTS FOR MODELING IMPROVEMENT. , 2016, , .		0