Gregor ÄŒepon

List of Publications by Year
in descending order

32	424	759233 12	752698 20
papers	citations	h-index	g-index

34	34	34	268
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamics of a belt-drive system using a linear complementarity problem for the beltâ€“pulley contact description. Journal of Sound and Vibration, 2009, 319, 1019-1035.	3.9	73
2	Introduction of damping into the flexible multibody belt-drive model: A numerical and experimental investigation. Journal of Sound and Vibration, 2009, 324, 283-296.	3.9	47
3	Full-degrees-of-freedom frequency based substructuring. Mechanical Systems and Signal Processing, 2018, 98, 570-579.	8.0	43
4	Experimental identification of the contact parameters between a V-ribbed belt and a pulley. Mechanism and Machine Theory, 2010, 45, 1424-1433.	4.5	37
5	Computing the dynamic response of an axially moving continuum. Journal of Sound and Vibration, 2007, 300, 316-329.	3.9	28
6	Full-field FRF estimation from noisy high-speed-camera data using a dynamic substructuring approach. Mechanical Systems and Signal Processing, 2021, 150, 107263.	8.0	24
7	A Generalized Magnetostrictive-Forces Approach to the Computation of the Magnetostriction-Induced Vibration of Laminated Steel Structures. IEEE Transactions on Magnetics, 2013, 49, 5446-5453.	2.1	20
8	Coupled thermo-structural analysis of a bimetallic strip using the absolute nodal coordinate formulation. Multibody System Dynamics, 2017, 41, 391-402.	2.7	19
9	Validation of a Flexible Multibody Belt-Drive Model. Strojniški Vestnik/Journal of Mechanical Engineering, 2011, 7-8, 539-546.	1.1	16
10	On the performance of direct piezoelectric rotational accelerometers in experimental structural dynamics. Measurement: Journal of the International Measurement Confederation, 2018, 127, 292-298.	5.0	15
11	Structuralâ€“acoustic model of a rectangular plateâ€“cavity system with an attached distributed mass and internal sound source: Theory and experiment. Journal of Sound and Vibration, 2014, 333, 2003-2018.	3.9	14
12	Introduction of the linear contact model in the dynamic model of laminated structure dynamics: An experimental and numerical identification. Mechanism and Machine Theory, 2013, 64, 144-154.	4.5	13
13	Including directly measured rotations in the virtual point transformation. Mechanical Systems and Signal Processing, 2020, 141, 106440.	8.0	12
14	pyFBS: A Python package for Frequency Based Substructuring. Journal of Open Source Software, 2022, 7, 3399.	4.6	12
15	The influence of washing machine-leg hardness on its dynamics response within component-mode synthesis techniques. International Journal of Mechanical Sciences, 2017, 127, 23-30.	6.7	9
16	Experimental framework for identifying inconsistent measurements in frequency-based substructuring. Mechanical Systems and Signal Processing, 2021, 154, 107562.	8.0	7
17	A smooth contact-state transition in a dynamic model of rolling-element bearings. Journal of Sound and Vibration, 2018, 430, 196-213.	3.9	5
18	On the estimation of structural admittances from acoustic measurement using a dynamic substructuring approach. Applied Acoustics, 2021, 180, 108115.	3.3	4

#	Article	IF	Citations
19	Weakening of the multi-point constraints in modal substructuring using singular value decomposition. Mechanical Systems and Signal Processing, 2022, 163, 108109.	8.0	4
20	A mixed-contact formulation for a dynamics simulation of flexible systems: An integration with model-reduction techniques. Journal of Sound and Vibration, 2017, 393, 145-156.	3.9	4
21	System equivalent model mixing: A modal domain formulation. Mechanical Systems and Signal Processing, 2022, 177, 109239.	8.0	4
22	An Advanced Numerical Model for Dynamic Simulations of Automotive Belt-Drives. , 0, , .		2
23	An expansion based on System Equivalent Model Mixing: From a limited number of points to a full-field dynamic response. Measurement: Journal of the International Measurement Confederation, 2022, 190, 110522.	5.0	2
24	Sensitivity-based characterization of the bias errors in frequency based substructuring. Mechanical Systems and Signal Processing, 2022, 170, 108800.	8.0	2
25	Characterization of sensor location variations in admittance-based TPA methods. Journal of Sound and Vibration, 2022, 528, 116888.	3.9	2
26	Introduction of line contact in frequency-based substructuring process using measured rotational degrees of freedom. Journal of Physics: Conference Series, 2019, 1264, 012025.	0.4	1
27	Performance of the Expanded Virtual Point Transformation on a Complex Test Structure. Experimental Techniques, 2021, 45, 83-93.	1.5	1
28	Near-to-node modal identification using multiple related response models. Measurement: Journal of the International Measurement Confederation, 2021, 171, 108793.	5.0	1
29	BCD-06 DYNAMICS OF A BELT-DRIVE SYSTEM USING A LINEAR COMPLEMENTARITY PROBLEM FOR THE BELT-PULLEY CONTACT DESCRIPTION(BELT AND CHAIN DRIVES). The Proceedings of the JSME International Conference on Motion and Power Transmissions, 2009, 2009, 630-635.	0.0	1
30	On multibody-system equilibrium-point selection during joint-parameter identification: A numerical and experimental analysis. Mechanism and Machine Theory, 2018, 128, 287-297.	4.5	0
31	BCD-05 INTRODUCTION OF A DAMPING MECHANISM IN THE FLEXIBLE MULTIBODY BELT-DRIVE MODEL : A NUMERICAL AND EXPERIMENTAL INVESTIGATION(BELT AND CHAIN DRIVES). The Proceedings of the JSME International Conference on Motion and Power Transmissions, 2009, 2009, 624-629.	0.0	0
32	An Integration of Mixed Contact Formulation with Model-Reduction Techniques. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 49-52.	0.5	0