

Dirk Mayer

List of Publications by Year in descending order

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32
papers

247
citations

1163117

8
h-index

1058476

14
g-index

35
all docs

35
docs citations

35
times ranked

202
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning of a vibration absorber with shunted piezoelectric transducers. Archive of Applied Mechanics, 2016, 86, 1715-1732.	2.2	31
2	Smart interfaces and semi-active vibration absorber for noise reduction in vehicle structures. Aerospace Science and Technology, 2008, 12, 62-73.	4.8	30
3	Adaptive Piezoelectric Absorber for Active Vibration Control. Actuators, 2016, 5, 7.	2.3	23
4	An approach for the model based monitoring of piezoelectric actuators. Computers and Structures, 2008, 86, 314-321.	4.4	15
5	Integrated Solutions for Noise and Vibration Control in Vehicles. SAE International Journal of Passenger Cars - Mechanical Systems, 2014, 7, 1183-1193.	0.4	14
6	Towards prognostics and health monitoring: The potential of fault detection by piezoresistive silicon stress sensor. , 2016, , .		11
7	Enhanced Lightweight Design â€œ First Results of the FP7 Project ENLIGHT. Transportation Research Procedia, 2016, 14, 1031-1040.	1.5	10
8	Additive manufacturing of active struts for piezoelectric shunt damping. Journal of Intelligent Material Systems and Structures, 2016, 27, 743-754.	2.5	9
9	In-situ investigation of EMC relaxation behavior using piezoresistive stress sensor. Microelectronics Reliability, 2016, 62, 58-62.	1.7	8
10	Towards prognostics and health monitoring: The potential of fault detection by piezoresistive silicon stress sensor. Microelectronics Reliability, 2017, 74, 165-172.	1.7	8
11	Enhanced lightweight design by composites â€œ Results of the EU project ENLIGHT. Journal of Reinforced Plastics and Composites, 2018, 37, 1217-1224.	3.1	7
12	Condition Monitoring of Drive Trains by Data Fusion of Acoustic Emission and Vibration Sensors. Processes, 2021, 9, 1108.	2.8	7
13	Recent Developments in Hardware-in-the-Loop Testing. Conference Proceedings of the Society for Experimental Mechanics, 2019, , 65-73.	0.5	7
14	Modeling approaches for active systems. , 2006, , .		6
15	Acquisition unit for in-situ stress measurements in smart electronic systems. , 2014, , .		6
16	Investigation of Uncertainty Sources of Piezoresistive Silicon Based Stress Sensor. Applied Mechanics and Materials, 0, 807, 45-54.	0.2	6
17	In-situ investigation of EMC relaxation behavior using piezoresistive stress sensor. , 2015, , .		6
18	Multifunctional and lightweight load-bearing composite structures for satellites. MATEC Web of Conferences, 2018, 233, 00019.	0.2	5

#	ARTICLE	IF	CITATIONS
19	Experimental Studies on Different Actuator-Sensor Configurations of Active Control Systems for the Reduction of Noise and Vibration in Vehicles. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 9, 1100-1110.	0.4	4
20	Test rig with active damping control for the simultaneous evaluation of vibration control and energy harvesting via piezoelectric transducers. Journal of Physics: Conference Series, 2016, 744, 012010.	0.4	4
21	Passive, Adaptive, Active Vibration Control, and Integrated Approaches. , 2018, , .		4
22	An Approach for Decentralized Mode Estimation Based on the Random Decrement Method. Shock and Vibration, 2010, 17, 579-588.	0.6	2
23	Optimally tuned resonant negative capacitance for piezoelectric shunt damping based on measured electromechanical impedance. , 2015, , .		2
24	Adaptive-passive vibration control systems for industrial applications. , 2015, , .		2
25	Dynamic Characterisation of Piezo resistive Sensor Systems for Adaptronic Devices. , 2007, , .		1
26	Adaptronic Systems in Engineering. , 2007, , 371-467.		0
27	Regelung eines dreiachsigen Lagers auf Basis piezoelektrischer Aktoren zur Schwingungsreduktion (Control of a Three-axis Mount based on Piezoelectric Actuators for Vibration Reduction). Automatisierungstechnik, 2008, 56, 136-145.	0.8	0
28	Adaptronics: Selected papers from the 14th International Adaptronic Congress 2011 (Darmstadt,) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	3.5	0
29	Optimization of a tuned vibration absorber in a multibody system by operational analysis. Journal of Physics: Conference Series, 2016, 744, 012111.	0.4	0
30	Simulation Driven Design of Novel Integrated Circuits -- Physics of Failure Simulation of the Electronic Control Modules for Harsh Environment Application. , 2016, , .		0
31	Piezoresistive Silicon Stress Sensor As a Tool to Monitor Health of an Electronic System. , 2017, , .		0
32	Orthonormal filters for identification in active control systems. Smart Materials and Structures, 2015, 24, 125037.	3.5	0