

# Dirk Mayer

## List of Publications by Year in descending order

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32  
papers

247  
citations

1163117

8  
h-index

1058476

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g-index

35  
all docs

35  
docs citations

35  
times ranked

202  
citing authors

#	ARTICLE	IF	CITATIONS
1	Condition Monitoring of Drive Trains by Data Fusion of Acoustic Emission and Vibration Sensors. Processes, 2021, 9, 1108.	2.8	7
2	Recent Developments in Hardware-in-the-Loop Testing. Conference Proceedings of the Society for Experimental Mechanics, 2019, , 65-73.	0.5	7
3	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
4	Multifunctional and lightweight load-bearing composite structures for satellites. MATEC Web of Conferences, 2018, 233, 00019.	0.2	5
5	Passive, Adaptive, Active Vibration Control, and Integrated Approaches. , 2018, , .		4
6	Piezoresistive Silicon Stress Sensor As a Tool to Monitor Health of an Electronic System. , 2017, , .		0
7	Towards prognostics and health monitoring: The potential of fault detection by piezoresistive silicon stress sensor. Microelectronics Reliability, 2017, 74, 165-172.	1.7	8
8	Adaptive Piezoelectric Absorber for Active Vibration Control. Actuators, 2016, 5, 7.	2.3	23
9	Optimization of a tuned vibration absorber in a multibody system by operational analysis. Journal of Physics: Conference Series, 2016, 744, 012111.	0.4	0
10	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
11	Towards prognostics and health monitoring: The potential of fault detection by piezoresistive silicon stress sensor. , 2016, , .		11
12	Additive manufacturing of active struts for piezoelectric shunt damping. Journal of Intelligent Material Systems and Structures, 2016, 27, 743-754.	2.5	9
13	Enhanced Lightweight Design â€œ First Results of the FP7 Project ENLIGHT. Transportation Research Procedia, 2016, 14, 1031-1040.	1.5	10
14	Simulation Driven Design of Novel Integrated Circuits -- Physics of Failure Simulation of the Electronic Control Modules for Harsh Environment Application. , 2016, , .		0
15	In-situ investigation of EMC relaxation behavior using piezoresistive stress sensor. Microelectronics Reliability, 2016, 62, 58-62.	1.7	8
16	Tuning of a vibration absorber with shunted piezoelectric transducers. Archive of Applied Mechanics, 2016, 86, 1715-1732.	2.2	31
17	Optimally tuned resonant negative capacitance for piezoelectric shunt damping based on measured electromechanical impedance. , 2015, , .		2
18	In-situ investigation of EMC relaxation behavior using piezoresistive stress sensor. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
19	Adaptive-passive vibration control systems for industrial applications. , 2015, , .		2
20	Orthonormal filters for identification in active control systems. Smart Materials and Structures, 2015, 24, 125037.	3.5	0
21	Integrated Solutions for Noise and Vibration Control in Vehicles. SAE International Journal of Passenger Cars - Mechanical Systems, 2014, 7, 1183-1193.	0.4	14
22	Acquisition unit for in-situ stress measurements in smart electronic systems. , 2014, , .		6
23	Adaptronics: Selected papers from the 14th International Adaptronic Congress 2011 (Darmstadt,) Tj ETQq1 1 0.784314 rgBT_0/Overlook	3.5	0
24	An Approach for Decentralized Mode Estimation Based on the Random Decrement Method. Shock and Vibration, 2010, 17, 579-588.	0.6	2
25	Smart interfaces and semi-active vibration absorber for noise reduction in vehicle structures. Aerospace Science and Technology, 2008, 12, 62-73.	4.8	30
26	An approach for the model based monitoring of piezoelectric actuators. Computers and Structures, 2008, 86, 314-321.	4.4	15
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	Dynamic Characterisation of Piezo resistive Sensor Systems for Adaptronic Devices. , 2007, , .		1
29	Adaptronic Systems in Engineering. , 2007, , 371-467.		0
30	Modeling approaches for active systems. , 2006, , .		6
31	Investigation of Uncertainty Sources of Piezoresistive Silicon Based Stress Sensor. Applied Mechanics and Materials, 0, 807, 45-54.	0.2	6
32	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