

Dan-Sorin Necsulescu

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

248
citations

1307594

7
h-index

1372567

10
g-index

14
all docs

14
docs citations

14
times ranked

235
citing authors

#	ARTICLE	IF	CITATIONS
1	Generalized stepwise demodulation transform and synchrosqueezing for time-frequency analysis and bearing fault diagnosis. Journal of Sound and Vibration, 2016, 368, 202-222.	3.9	119
2	Velocity Synchronous Linear Chirplet Transform. IEEE Transactions on Industrial Electronics, 2019, 66, 6270-6280.	7.9	55
3	Velocity synchronous bilinear distribution for planetary gearbox fault diagnosis under non-stationary conditions. Journal of Sound and Vibration, 2019, 443, 212-229.	3.9	20
4	Neural network based feedback linearization control of an unmanned aerial vehicle. International Journal of Automation and Computing, 2007, 4, 71-79.	4.5	16
5	Mechatronics Learning Studio: From "Play and Learn" to Industry-Inspired Green Energy Applications. IEEE Transactions on Education, 2011, 54, 667-674.	2.4	9
6	Determination of the modulation frequency for thermographic non-destructive testing. NDT and E International, 2015, 70, 1-8.	3.7	7
7	A velocity synchrosqueezing transform for fault diagnosis of planetary gearboxes under nonstationary conditions. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2017, 231, 2868-2884.	2.1	7
8	Robotic Based Fire Detection in Smart Manufacturing Facilities. IFAC-PapersOnLine, 2015, 48, 1640-1645.	0.9	6
9	Nonlinear Robust Adaptive Multi-Modal Vibration Control of Bi-Electrode Micro-Switch with Constraints on the Input. Micromachines, 2017, 8, 263.	2.9	5
10	Gearbox fault diagnosis via generalized velocity synchronous Fourier transform and order analysis. Transactions of the Canadian Society for Mechanical Engineering, 2019, 43, 153-163.	0.8	3
11	Analytical and simulation investigation of the experimental design for infrared non destructive testing. , 2011, , .		1
12	Autonomous Vehicle Formation Control with Kinematic Constrains. Industrial Informatics, 2009 INDIN 2009 7th IEEE International Conference on, 2007, , .	0.0	0
13	Velocity Synchrosqueezing Windowed Fourier Transform for Fault Diagnosis of Fixed-Shaft Gearbox Under Nonstationary Conditions. , 2018, , .		0
14	Time Delay Investigation in Telerobotic Surgery. , 2021, , .		0