Kurt Stockman

List of Publications by Year
in descending order

		1040056	1281871
14 papers	**1,156** citations	**9** h-index	**11** g-index
14 all docs	**14** docs citations	**14** times ranked	**1243** citing authors

#	ARTICLE	IF	CITATIONS
1	Convolutional Neural Network Based Fault Detection for Rotating Machinery. Journal of Sound and Vibration, 2016, 377, 331-345.	3.9	892
2	Thermal image based fault diagnosis for rotating machinery. Infrared Physics and Technology, 2015, 73, 78-87.	2.9	106
3	Online Identification of a Mechanical System in Frequency Domain Using Sliding DFT. IEEE Transactions on Industrial Electronics, 2016, 63, 5712-5723.	7.9	38
4	The Efficiency of Hybrid Stepping Motors: Analyzing the Impact of Control Algorithms. IEEE Industry Applications Magazine, 2014, 20, 50-60.	0.4	27
5	Sensorless load angle control for two-phase hybrid stepper motors. Mechatronics, 2017, 43, 6-17.	3.3	23
6	Energyâ€efficient sensorless load angle control of a BLDC motor using sinusoidal currents. IET Electric Power Applications, 2018, 12, 1378-1389.	1.8	21
7	Load angle estimation for twoâ€phase hybrid stepping motors. IET Electric Power Applications, 2014, 8, 257-266.	1.8	17
8	Load angle estimation for dynamic stepping motor motion applications. Mechatronics, 2018, 53, 229-240.	3.3	15
9	Online Tracking of Varying Inertia using a SDFT Approach. Mechatronics, 2020, 68, 102361.	3.3	10
10	Current Reduction in Stepping Motor Applications using an Adaptive PI controller based on Linearized Dynamics âŽ âŽResearch funded by a PhD grant of the Research Foundation Flanders (FWO), Belgium. IFAC-PapersOnLine, 2018, 51, 107-112.	0.9	3
11	Optimal Load Angle Learning Algorithm for Sensorless Closed-Loop Stepping Motor Control. , 2019, , .		3
12	Self-learning current optimizing control for conventional stepping motor drive technique based on step pulses. Transactions of the Institute of Measurement and Control, 2022, 44, 687-699.	1.7	1
13	Automatic tuning of predictive control in a hydrostatic drive train system in nominal operation. , 2019, , .		0
14	Improved dynamic behaviour of a sensorless stepping motor load angle estimator based on Transfer Function Analyzer technique. , 2021, , .		0