

Mohieddine Amor Benammar

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

1,065
citations

19
h-index

32
g-index

53
ext. papers

1,296
ext. citations

5.1
avg, IF

4.59
L-index

#	Paper	IF	Citations
43	Quartz Crystal Microbalance Electronic Interfacing Systems: A Review. <i>Sensors</i> , 2017 , 17,	3.8	82
42	A Modular IoT Platform for Real-Time Indoor Air Quality Monitoring. <i>Sensors</i> , 2018 , 18,	3.8	77
41	Ultrahigh Aspect Ratio Copper-Nanowire-Based Hybrid Transparent Conductive Electrodes with PEDOT:PSS and Reduced Graphene Oxide Exhibiting Reduced Surface Roughness and Improved Stability. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16223-30	9.5	74
40	A component map tuning method for performance prediction and diagnostics of gas turbine compressors. <i>Applied Energy</i> , 2014 , 135, 572-585	10.7	73
39	A high precision resolver-to-DC converter. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2005 , 54, 2289-2296	5.2	71
38	A novel resolver-to-360/spl deg/ linearized converter. <i>IEEE Sensors Journal</i> , 2004 , 4, 96-101	4	68
37	A Resolver Angle Estimator Based on Its Excitation Signal. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 574-580	8.9	60
36	A simple method for extracting the parameters of the PV cell single-diode model. <i>Renewable Energy</i> , 2017 , 113, 885-894	8.1	53
35	A dynamic prognosis scheme for flexible operation of gas turbines. <i>Applied Energy</i> , 2016 , 164, 686-701	10.7	52
34	Transient Gas Turbine Performance Diagnostics Through Nonlinear Adaptation of Compressor and Turbine Maps. <i>Journal of Engineering for Gas Turbines and Power</i> , 2015 , 137,	1.7	50
33	Smart-home automation using IoT-based sensing and monitoring platform 2018 ,		47
32	A New Low Cost Linear Resolver Converter. <i>IEEE Sensors Journal</i> , 2008 , 8, 1620-1627	4	46
31	An Empirical Study for PCA- and LDA-Based Feature Reduction for Gas Identification. <i>IEEE Sensors Journal</i> , 2016 , 16, 5734-5746	4	38
30	Long-term performance analysis and power prediction of PV technology in the State of Qatar. <i>Renewable Energy</i> , 2017 , 113, 952-965	8.1	34
29	A Novel PLL Resolver Angle Position Indicator. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2016 , 65, 123-131	5.2	32
28	Review and simulation of leakage current in transformerless microinverters for PV applications. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 74, 1240-1256	16.2	28
27	A novel method for estimating the angle from analog co-sinusoidal quadrature signals. <i>Sensors and Actuators A: Physical</i> , 2008 , 142, 225-231	3.9	27

26	A new tracking technique for mechanical angle measurement. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014 , 54, 58-64	4.6	23
25	. <i>IEEE Sensors Journal</i> , 2017 , 17, 5169-5179	4	20
24	Dynamic Performance Simulation of an Aeroderivative Gas Turbine Using the Matlab Simulink Environment 2013 ,		15
23	Design and realization of an open-source and modular smart meter. <i>Energy Science and Engineering</i> , 2019 , 7, 1405-1422	3.4	13
22	. <i>IEEE Sensors Journal</i> , 2018 , 18, 4633-4642	4	11
21	2012 ,		9
20	A new PLL method for resolvers 2010 ,		8
19	A low power oscillator based temperature sensor for RFID applications 2013 ,		6
18	Electronic nose system on the Zynq SoC platform. <i>Microprocessors and Microsystems</i> , 2017 , 53, 145-156	2.4	6
17	Two-step single slope/SAR ADC with error correction for CMOS image sensor. <i>Scientific World Journal, The</i> , 2014 , 2014, 861278	2.2	5
16	A multi-sensing reconfigurable platform for gas applications 2014 ,		4
15	Novel linearizer for tangent/cotangent converter 2009 ,		4
14	Hybrid transparent conductive electrodes with copper nanowires embedded in a zinc oxide matrix and protected by reduced graphene oxide platelets. <i>Journal of Applied Physics</i> , 2016 , 119, 085303	2.5	4
13	Digitally-tuned resolver converter. <i>Procedia Chemistry</i> , 2009 , 1, 449-452		3
12	Development of a remote lab for electrical engineering program 2009 ,		3
11	A low power temperature sensor based on a voltage to time converter cell 2013 ,		2
10	Angular position measurement using resolvers together with a robust linearization technique 2015 ,		2
9	Integration of the inexpensive CuNWs based transparent counter electrode with dye sensitized photo sensors. <i>RSC Advances</i> , 2016 , 6, 53123-53129	3.7	2

8	High Level Synthesis Based E-Nose System for Gas Applications 2016 ,		2
7	Development of energy efficient battery electric car for Shell Eco-Marathon competition - Qatar University experience 2014 ,		1
6	Continuous-time Σ ADC with implicit variable gain amplifier for CMOS image sensor. <i>Scientific World Journal, The</i> , 2014 , 2014, 208540	2.2	1
5	Hardware PCA for gas identification systems using high level synthesis on the Zynq SoC 2013 ,		1
4	A resolver converter based upon a novel open-loop technique 2008 ,		1
3	A Novel Converter for Sinusoidal Encoders 2006 ,		1
2	Ultra-high aspect ratio copper nanowires as transparent conductive electrodes for dye sensitized solar cells 2016 ,		1
1	New Fast Arctangent Approximation Algorithm for Generic Real-Time Embedded Applications. <i>Sensors</i> , 2019 , 19,	3.8	1