

Mohieddine Amor Benammar

List of Publications by Year in Descending Order

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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	Design and realization of an open-source and modular smart meter. <i>Energy Science and Engineering</i> , 2019 , 7, 1405-1422	3.4	13
42	New Fast Arctangent Approximation Algorithm for Generic Real-Time Embedded Applications. <i>Sensors</i> , 2019 , 19,	3.8	1
41	. <i>IEEE Sensors Journal</i> , 2018 , 18, 4633-4642	4	11
40	A Modular IoT Platform for Real-Time Indoor Air Quality Monitoring. <i>Sensors</i> , 2018 , 18,	3.8	77
39	Smart-home automation using IoT-based sensing and monitoring platform 2018 ,		47
38	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
37	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
36	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
35	Electronic nose system on the Zynq SoC platform. <i>Microprocessors and Microsystems</i> , 2017 , 53, 145-156	2.4	6
34	. <i>IEEE Sensors Journal</i> , 2017 , 17, 5169-5179	4	20
33	Quartz Crystal Microbalance Electronic Interfacing Systems: A Review. <i>Sensors</i> , 2017 , 17,	3.8	82
32	A Novel PLL Resolver Angle Position Indicator. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2016 , 65, 123-131	5.2	32
31	A dynamic prognosis scheme for flexible operation of gas turbines. <i>Applied Energy</i> , 2016 , 164, 686-701	10.7	52
30	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
29	An Empirical Study for PCA- and LDA-Based Feature Reduction for Gas Identification. <i>IEEE Sensors Journal</i> , 2016 , 16, 5734-5746	4	38
28	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
27	Ultra-high aspect ratio copper nanowires as transparent conductive electrodes for dye sensitized solar cells 2016 ,		1

26	High Level Synthesis Based E-Nose System for Gas Applications 2016,		2
25	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
24	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
23	Angular position measurement using resolvers together with a robust linearization technique 2015,		2
22	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
21	Development of energy efficient battery electric car for Shell Eco-Marathon competition - Qatar University experience 2014,		1
20	A new tracking technique for mechanical angle measurement. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014 , 54, 58-64	4.6	23
19	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
18	Continuous-time $\Sigma\Delta$ ADC with implicit variable gain amplifier for CMOS image sensor. <i>Scientific World Journal, The</i> , 2014 , 2014, 208540	2.2	1
17	A multi-sensing reconfigurable platform for gas applications 2014,		4
16	A low power temperature sensor based on a voltage to time converter cell 2013,		2
15	A low power oscillator based temperature sensor for RFID applications 2013,		6
14	Dynamic Performance Simulation of an Aeroderivative Gas Turbine Using the Matlab Simulink Environment 2013,		15
13	Hardware PCA for gas identification systems using high level synthesis on the Zynq SoC 2013,		1
12	2012,		9
11	A new PLL method for resolvers 2010,		8
10	Digitally-tuned resolver converter. <i>Procedia Chemistry</i> , 2009 , 1, 449-452		3
9	Novel linearizer for tangent/cotangent converter 2009,		4

8	Development of a remote lab for electrical engineering program 2009 ,		3
7	A Resolver Angle Estimator Based on Its Excitation Signal. <i>IEEE Transactions on Industrial Electronics</i> , 2009 , 56, 574-580	8.9	60
6	A New Low Cost Linear Resolver Converter. <i>IEEE Sensors Journal</i> , 2008 , 8, 1620-1627	4	46
5	A resolver converter based upon a novel open-loop technique 2008 ,		1
4	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
3	A Novel Converter for Sinusoidal Encoders 2006 ,		1
2	A high precision resolver-to-DC converter. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2005 , 54, 2289-2296	5.2	71
1	A novel resolver-to-360/spl deg/ linearized converter. <i>IEEE Sensors Journal</i> , 2004 , 4, 96-101	4	68