Mohd Alauddin Mohd Ali

List of Publications by Year in Descending Order

39 papers	641 citations	9 h-index	25 g-index
48 ext. papers	810 ext. citations	2.3 avg, IF	3.97 L-index

#	Paper	IF	Citations
39	Model-based control strategy for oversaturated traffic regimes based on the LWR-IM traffic model. *IET Intelligent Transport Systems*, **2019**, 13, 896-904	2.4	2
38	Integrated attitude-orbit dynamics and control of spacecraft systems: State of the art and future trends. *IEEE Aerospace and Electronic Systems Magazine*, **2018**, 33, 60-71	2.4	3
37	Development of theoretical oxygen saturation calibration curve based on optical density ratio and optical simulation approach **2017**,		1
36	Analysis of myocardial infarction signals using optical technique. *Journal of Medical Engineering and Technology*, **2016**, 40, 155-61	1.8	3
35	Dynamical features of GPS PWV variation associated with lightning activity. *International Journal of Remote Sensing*, **2016**, 37, 1376-1390	3.1	1
34	Enhancing physionet electrocardiogram records for fetal heart rate detection algorithm **2015**,		1
33	A novel vehicle stationary detection utilizing map matching and IMU sensors. *Scientific World Journal, The*, **2014**, 2014, 597180	2.2	2
32	Reduction of the dimensionality of the EEG channels during scoliosis correction surgeries using a wavelet decomposition technique. *Sensors*, **2014**, 14, 13046-69	3.8	9
31	Nowcasting the lightning activity in Peninsular Malaysia using the GPS PWV during the 2009 inter-monsoons. *Annals of Geophysics*, **2014**, 57,	1.1	3
30	CMOS Differential Ring Oscillators: Review of the Performance of CMOS ROs in Communication Systems. *IEEE Microwave Magazine*, **2013**, 14, 97-109	1.2	48
29	Evolution of electroencephalogram signal analysis techniques during anesthesia. *Sensors*, **2013**, 13, 6605-35	2.1	38
28	Design and Implementation of a Low Supply Voltage Voltage Type Sense Amplifier with Low Current Consumption for RFID Transponder. *Automatika*, **2013**, 54, 210-216	1.6	
27	Analysis of GPS water vapor variability during the 2011 La Niña event over the western Pacific Ocean. *Annals of Geophysics*, **2013**, 56,	1.1	3
26	Performance analysis of multi-weight 2D-OCDMA TEDW **2012**,		1
25	A Review of Smart Homes—Past, Present, and Future. *IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews*, **2012**, 42, 1190-1203		342
24	Fast and efficient least-mean-squares algorithm for active noise control system identification. *Acoustical Science and Technology*, **2012**, 33, 111-112	0.5	1
23	Application of Adaptive Noise Cancellation in Transabdominal Fetal Heart Rate Detection Using Photoplethysmography **2011**,		1

22	Detection of lightning activity using GPS PWV measurements **2011**,		3
21	GPS water vapor monitoring and TroWav updated for ENSO studies **2011**,		2
20	Abnormal driving detection using real time Global Positioning System data **2011**,		23
19	EXECUTION TIME OPTIMIZATION ANALYSIS ON MULTIPLE ALGORITHMS PERFORMANCE OF MOVING OBJECT EDGE DETECTION **2010**,		2
18	Large-scale traveling ionospheric disturbances observed by GPS receivers in Antarctica. *Wuhan University Journal of Natural Sciences*, **2010**, 15, 135-142	0.4	1
17	RF MEMS tunable filter using micro fixed-fixed beam. *Microwave and Optical Technology Letters*, **2010**, 52, 592-597	1.2	4
16	Transabdominal fetal heart rate detection using NIR photopleythysmography: instrumentation and clinical results. *IEEE Transactions on Biomedical Engineering*, **2009**, 56, 2075-82	5	23
15	Analysis of GPS-sensed atmospheric water vapour variability and its response to the terrestrial winds over Antarctica. *Physics and Chemistry of the Earth*, **2009**, 34, 72-87	3	9
14	Availability, reliability and accuracy of GPS signal in Bandar Baru Bangi for the determination of vehicle position and speed **2009**,		4
13	Capacity Enhancment and Iterference Reduction in Cooperative Cognitive Radio Networks **2009**,		1
12	Development of a cognitive radio decision engine using multi-objective hybrid genetic algorithm **2009**,		3
11	A built-in self repairable RF MEMS filter using redundant structures **2008**,		1
10	Development of new control strategy for voltage sag mitigation **2008**,		3
9	Reliability Assessment of Micromachined Fixed-Fixed Beam Based on FE Simulation and Probabilistic Sampling. *IEEE Transactions on Device and Materials Reliability*, **2008**, 8, 664-670	1.6	2
8	GPS observations at quasi-conjugate points under disturbed conditions. *Acta Geophysica*, **2008**, 56, 1179-1201		6
7	Analysis of the effect of ageing on rising edge characteristics of the photoplethysmogram using a modified Windkessel model. *Cardiovascular Engineering (Dordrecht, Netherlands)*, **2007**, 7, 172-81		32
6	Ionospheric GPS-TEC during the 2004 major storm events at Scott Base station Antarctica **2007**,		1
5	Effects of Physical Exercise on the Photoplethysmogram Waveform **2007**,		5

4	Photovoltaic Based Dynamic Voltage Restorer For Voltage Sag Mitigation **2007**,		9
3	Test pattern optimization using proper in mixed-mode technique **2006**,		2
2	Fetal heart rate monitoring based on independent component analysis. *Computers in Biology and Medicine*, **2006**, 36, 241-52	7	32
1	A portable recorder for long-term fetal heart rate monitoring. *Microprocessors and Microsystems*, **2002**, 26, 325-330	2.4	6