

Lazar V Saranovac

List of Publications by Year in descending order

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35
papers

256
citations

1163117

8
h-index

996975

15
g-index

35
all docs

35
docs citations

35
times ranked

261
citing authors

#	ARTICLE	IF	CITATIONS
1	A Simple Algorithm for the Estimation of Phase Difference Between Two Sinusoidal Voltages. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 3152-3158.	4.7	48
2	Flexible High Throughput QC-LDPC Decoder With Perfect Pipeline Conflicts Resolution and Efficient Hardware Utilization. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 5454-5467.	5.4	34
3	Wireless distributed functional electrical stimulation system. Journal of NeuroEngineering and Rehabilitation, 2012, 9, 54.	4.6	27
4	Digital realization of frequency insensitive phase shifter for reactive Var-Hour meters. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 802-808.	4.7	24
5	Algorithm for EMG noise level approximation in ECG signals. Biomedical Signal Processing and Control, 2017, 34, 158-165.	5.7	21
6	Multi-purpose ECG telemetry system. BioMedical Engineering OnLine, 2017, 16, 80.	2.7	18
7	Enhanced local tone mapping for detail preserving reproduction of high dynamic range images. Journal of Visual Communication and Image Representation, 2018, 53, 122-133.	2.8	16
8	A highly linear and fully-integrated FMCW synthesizer for 60GHz radar applications with 7GHz bandwidth. Analog Integrated Circuits and Signal Processing, 2017, 90, 591-604.	1.4	9
9	Power management implementation in FreeRTOS on LM3S3748. Serbian Journal of Electrical Engineering, 2013, 10, 199-208.	0.4	8
10	60 GHz SiGe:C HBT Power Amplifier With 17.4 dBm Output Power and 16.3% PAE. IEEE Microwave and Wireless Components Letters, 2012, 22, 194-196.	3.2	7
11	Power and Conjugately Matched High Band UWB Power Amplifier. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 3138-3149.	5.4	6
12	Comments on "New algorithm for measuring 50/60-Hz AC values based on the usage of slow A/D converters" and "Measuring of slowly changing AC signals without sample-and-hold circuit". IEEE Transactions on Instrumentation and Measurement, 2003, 52, 1688-1692.	4.7	5
13	Prediction of Harvested Energy for Wireless Sensor Node. Elektronika Ir Elektrotehnika, 2020, 26, 23-31.	0.8	5
14	Analysis of impact of FPGA routing architecture parameters on area and delay. , 2011, , .		4
15	Evaluation of Uncertainty of Phase Difference Determination in Presence of Bias. Metrology and Measurement Systems, 2016, 23, 603-614.	1.4	4
16	An FMCW fractional-N PLL-based synthesizer for integrated 79 GHz automotive radar sensors. , 2017, , .		4
17	Improving energy usage in energy harvesting wireless sensor nodes using weather forecast. , 2017, , .		3
18	Online power-aware scheduling strategy based on workload power profile measurement. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
19	Broadband power amplifier limitations due to package parasitics. Serbian Journal of Electrical Engineering, 2015, 12, 275-291.	0.4	2
20	Adaptive EMG noise reduction in ECG signals using noise level approximation. , 2017, , .		2
21	Multiprocessor architecture of smart transducer module. , 2011, , .		1
22	Design of monolithic microwave integrated circuits for 60 GHz Band. , 2014, , .		1
23	Vehicle Collision Reconstruction With 3-D Inertial Navigation and GNSS. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 14-23.	4.7	1
24	Multi-angle Constant Multiplier Givens Rotation Algorithm. Circuits, Systems, and Signal Processing, 2019, 38, 4229-4244.	2.0	1
25	Fast guided filter for power-efficient real-time 1080p streaming video processing. Journal of Real-Time Image Processing, 2020, 17, 511-525.	3.5	1
26	Improving energy usage in energy harvesting wireless sensor nodes using weather forecast. Telfor Journal, 2018, 10, 38-43.	0.7	1
27	Temporal adaptation control for local tone mapping operator. Journal of Electrical Engineering, 2018, 69, 261-269.	0.7	1
28	A clock synthesis for switched-capacitor filters using microcontrollers. IEEE Transactions on Instrumentation and Measurement, 1994, 43, 943-945.	4.7	0
29	FPGA design of polyphase filter bank spectrum channalizer. , 2011, , .		0
30	Energy proportional management of residential gateways. , 2013, , .		0
31	Load monitoring module for multiprocessor performance optimization. , 2014, , .		0
32	On the importance of electromagnetic models in RFIC design. , 2016, , .		0
33	An approach to modeling clock tree of a complex system-on-chip. , 2016, , .		0
34	Formal model for system-level power management design. , 2017, , .		0
35	A fully integrated 2TXâ€™4RX 60-GHz FMCW radar transceiver for short-range applications. International Journal of Electronics, 0, , .	1.4	0