

Predrag BoÅ;ko PetroviÄ

List of Publications by Year in descending order

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56
papers

400
citations

1039880

9
h-index

940416

16
g-index

57
all docs

57
docs citations

57
times ranked

228
citing authors

#	ARTICLE	IF	CITATIONS
1	Floating incremental/decremental flux-controlled memristor emulator circuit based on single VDТА. Analog Integrated Circuits and Signal Processing, 2018, 96, 417-433.	0.9	64
2	New Digital Multimeter for Accurate Measurement of Synchronously Sampled AC Signals. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 716-725.	2.4	30
3	Tunable flux-controlled floating memristor emulator circuits. IET Circuits, Devices and Systems, 2019, 13, 479-486.	0.9	27
4	A high-sensitive current-mode pressure/force detector based on piezoelectric polymer PVDF. Sensors and Actuators A: Physical, 2018, 276, 165-175.	2.0	22
5	Measuring of slowly changing AC signals without sample-and-hold circuit. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 1245-1248.	2.4	20
6	New algorithm for measuring 50/60 Hz AC values based on the usage of slow A/D converters. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 166-171.	2.4	16
7	A new tunable current-mode peak detector. Microelectronics Journal, 2014, 45, 805-814.	1.1	14
8	Variable mode CMOS full-wave rectifier. Analog Integrated Circuits and Signal Processing, 2017, 90, 659-668.	0.9	14
9	Root-mean-square measurement of periodic, band-limited signals. , 2012, , .		13
10	Current/voltage mode full-wave rectifier based on a single CCCII. International Journal of Circuit Theory and Applications, 2020, 48, 1140-1153.	1.3	13
11	A new electronically controlled floating/grounded meminductor emulator based on single MO-VDТА. Analog Integrated Circuits and Signal Processing, 2022, 110, 185-195.	0.9	11
12	Computational effective modified Newton-Raphson algorithm for power harmonics parameters estimation. IET Signal Processing, 2018, 12, 590-598.	0.9	10
13	Structure and enhanced antimicrobial activity of mechanically activated nano TiO ₂ . Journal of the American Ceramic Society, 2019, 102, 7735-7745.	1.9	10
14	Shungite - a carbon-mineral rock material: Its sinterability and possible applications. Processing and Application of Ceramics, 2019, 13, 89-97.	0.4	10
15	New Approach to Reconstruction of Nonuniformly Sampled AC signals. , 2007, , .		8
16	Digital Processing of Synchronously Sampled AC Signals in the Presence of Interharmonics and Subharmonics. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 2584-2598.	2.4	8
17	New floating/grounded FDNC and non-ideal grounded FDNR simulators based on VDТА. Analog Integrated Circuits and Signal Processing, 0, , 1.	0.9	8
18	Simple flux-controlled grounded memristor emulator circuits based on current follower. Analog Integrated Circuits and Signal Processing, 2021, 108, 215-219.	0.9	8

#	ARTICLE	IF	CITATIONS
19	RMS detector of periodic, band-limited signals based on usage of DO-CCIs. Measurement: Journal of the International Measurement Confederation, 2013, 46, 3073-3083.	2.5	7
20	New currentâ€mode RMSâ€toâ€DC converters and fourâ€quadrant multiplier/divider based on VDTA. IET Circuits, Devices and Systems, 2020, 14, 490-497.	0.9	7
21	A new method for processing of basic electric values. Measurement Science and Technology, 2008, 19, 115103.	1.4	5
22	New procedure for harmonics estimation based on Hilbert transformation. Electrical Engineering, 2017, 99, 313-323.	1.2	5
23	Electronically Adjustable Grounded Memcapacitor Emulator Based on Single Active Component with Variable Switching Mechanism. Electronics (Switzerland), 2022, 11, 161.	1.8	5
24	Algorithm for Simultaneous Parameter Estimation of A Multiharmonic Signal. Metrology and Measurement Systems, 2012, 19, 693-702.	1.4	4
25	New method and circuit for processing of band-limited periodic signals. Signal, Image and Video Processing, 2012, 6, 109-123.	1.7	4
26	A New High Precision Power Detector of Complex Voltage Signals. Measurement Science Review, 2015, 15, 184-195.	0.6	4
27	New Procedure for Estimation of Amplitude and Phase of Analog Multiharmonic Signal Based on the Differential Irregular Samples. Journal of Signal Processing Systems, 2015, 81, 11-27.	1.4	4
28	New CMOS Current-Mode Analogue to Digital Power Converter. Circuits, Systems, and Signal Processing, 2017, 36, 1361-1378.	1.2	4
29	Dynamic Phasors Estimation Based on Taylor-Fourier Expansion and Gram Matrix Representation. Mathematical Problems in Engineering, 2018, 2018, 1-17.	0.6	4
30	Digital Processing and Reconstruction of Complex AC Signals. , 2009, , .		4
31	New fullâ€wave rectifier based on modified voltage differencing transconductance amplifier. IET Circuits, Devices and Systems, 0, , .	0.9	4
32	Charge-controlled grounded memristor emulator circuits based on Arbel-Goldminz cell with variable switching behaviour. Analog Integrated Circuits and Signal Processing, 2022, 113, 373-381.	0.9	4
33	A Reply to Comments on â€œNew Algorithm for Measuring 50/60 Hz AC Values Based on the Usage of Slow A/D Convertersâ€and â€œMeasuring of Slowly Changing AC Signals Without Sample-and-Hold Circuitâ€. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 1859-1862.	2.4	3
34	A new time-domain method for calculation of basic electric values in public distribution networks. Transactions of the Institute of Measurement and Control, 2013, 35, 279-288.	1.1	3
35	Voltage mode electronically tunable full-wave rectifier. Journal of Electrical Engineering, 2017, 68, 61-67.	0.4	3
36	Analysis of faults in active distribution network with and without synchronous generator using instantaneous symmetrical components in time domain. Electrical Engineering, 2018, 100, 2117-2127.	1.2	3

#	ARTICLE	IF	CITATIONS
37	A Simple Algorithm for Simultaneous Sine Signal Parameters Estimation. Journal of Electrical Engineering, 2013, 64, 180-185.	0.4	3
38	Calculation of Measurements Uncertainties in Case of Asynchronous Sampling of Complex AC Signals. , 2008, , .		2
39	Current-tunable current-mode RMS detector. Electrical Engineering, 2015, 97, 65-74.	1.2	2
40	Realization of Electronically Controllable Current-Mode Full-wave Rectifier. IETE Journal of Research, 2015, 61, 517-525.	1.8	2
41	Bipolar current controlled rectifier circuits. Journal of Communications Technology and Electronics, 2017, 62, 432-439.	0.2	2
42	Power Harmonics Measurements Based on Modified Newton-Raphson Procedure. , 2019, , .		2
43	Tuneable Current Mode RMS Detector. Journal of Electrical Engineering, 2015, 66, 11-18.	0.4	1
44	Power harmonics estimation based on analytical signal concept. , 2017, , .		1
45	Possible solution of parallel FIR filter structure. Serbian Journal of Electrical Engineering, 2005, 2, 21-28.	0.2	1
46	RMS Detector of Multiharmonic Signals. ETRI Journal, 2013, 35, 431-438.	1.2	1
47	Simulation and practical realization of the new high precise digital multimeter based on use of dual-slope ADC. European Transactions on Electrical Power, 2004, 14, 5-19.	1.0	0
48	New procedure for estimation of amplitude and phase of complex ac signals. , 2010, , .		0
49	The Eulerâ€Riemann zeta function in some series formulae and its values at odd integer points. Journal of Number Theory, 2017, 180, 769-786.	0.2	0
50	The new analytical expression for measurement uncertainty in a measuring of RMS value of AC signals as result of non ideal synchronization. Serbian Journal of Electrical Engineering, 2006, 3, 33-43.	0.2	0
51	A New Method for Processing of Basic Electrical Values Based on Definition Formula in Time Domain. , 2009, , 112-122.		0
52	Digital Processing of Synchronously Sampled ac Signals in Presence of Interharmonics and Subharmonics. , 2009, , 58-85.		0
53	Reconstruction of Nonuniformly Sampled ac Signals. , 2009, , 86-111.		0
54	Determination of the Truncation Errors in Case of Asynchronous Processing of the AC Signals in the Presence of Interharmonics and Subharmonics. IEEJ Transactions on Fundamentals and Materials, 2010, 130, 739-747.	0.2	0

#	ARTICLE	IF	CITATIONS
55	A new method for estimation of multi-harmonic power signal parameters. Journal on Processing and Energy in Agriculture, 2021, 25, 131-138.	0.3	0
56	New modified DFT-Prony-based algorithms for removal of decaying DC components from fundamental phasor estimates. Electrical Engineering, 0, , 1.	1.2	0