

Andrzej Napieralski

List of Publications by Year in descending order

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443
papers

3,206
citations

430874

18
h-index

197818

49
g-index

448
all docs

448
docs citations

448
times ranked

2833
citing authors

#	ARTICLE	IF	CITATIONS
1	Operation of a free-electron laser from the extreme ultraviolet to the water window. Nature Photonics, 2007, 1, 336-342.	31.4	1,455
2	Reliable algorithm for iris segmentation in eye image. Image and Vision Computing, 2010, 28, 231-237.	4.5	91
3	A reliable iris recognition algorithm based on reverse biorthogonal wavelet transform. Pattern Recognition Letters, 2012, 33, 1019-1026.	4.2	70
4	A new approach to thermal analysis of power devices. IEEE Transactions on Electron Devices, 1987, 34, 1147-1156.	3.0	60
5	Modelling electronic circuit radiation cooling using analytical thermal model. Microelectronics Journal, 2000, 31, 781-785.	2.0	52
6	Behavioral Approach to SiC MPS Diode Electrothermal Model Generation. IEEE Transactions on Electron Devices, 2013, 60, 630-638.	3.0	36
7	Hardware Architecture Optimized for Iris Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1293-1303.	8.3	30
8	Impact of nonlinearities on electronic device transient thermal responses. Microelectronics Journal, 2014, 45, 1721-1725.	2.0	29
9	Calculation of the internal thermal resistance and ampacity of 3-core screened cables with fillers. IEEE Transactions on Power Delivery, 1999, 14, 729-734.	4.3	26
10	Thermal analysis of layered electronic circuits with Green's functions. Microelectronics Journal, 2007, 38, 177-184.	2.0	26
11	Ion sensitive field effect transistor modelling for multidomain simulation purposes. Microelectronics Journal, 2004, 35, 831-840.	2.0	24
12	Transient thermal analysis of multilayered structures using Green's functions. Microelectronics Reliability, 2002, 42, 1059-1064.	1.7	23
13	Generation of reduced dynamic thermal models of electronic systems from time constant spectra of transient temperature responses. Microelectronics Reliability, 2011, 51, 1351-1355.	1.7	23
14	Real-time prediction of acute cardiovascular events using hardware-implemented Bayesian networks. Computers in Biology and Medicine, 2016, 69, 245-253.	7.0	22
15	Experimental identification of LED compact thermal model element values. Microelectronics Reliability, 2018, 86, 20-26.	1.7	22
16	Advanced modeling techniques for dynamic feeder rating systems. IEEE Transactions on Industry Applications, 2003, 39, 619-626.	4.9	21
17	PERPLEXUS: Pervasive Computing Framework for Modeling Complex Virtually-Unbounded Systems. , 2007, , .		21
18	Hot spots and core-to-core thermal coupling in future multi-core architectures. , 2010, , .		21

#	ARTICLE	IF	CITATIONS
19	Application of inverse heat conduction methods in temperature monitoring of integrated circuits. Sensors and Actuators A: Physical, 1998, 71, 51-57.	4.1	19
20	Evaluation of the impact of atmospheric pressure in different seasons on blood pressure in patients with arterial hypertension. International Journal of Occupational Medicine and Environmental Health, 2016, 29, 783-792.	1.3	19
21	Influence of interface materials on the thermal impedance of electronic packages. International Communications in Heat and Mass Transfer, 2009, 36, 210-212.	5.6	18
22	High-Performance Image Acquisition and Processing System with MTCA.4. IEEE Transactions on Nuclear Science, 2015, 62, 925-931.	2.0	18
23	ARUZ – Large-scale, massively parallel FPGA-based analyzer of real complex systems. Computer Physics Communications, 2018, 232, 22-34.	7.5	18
24	A Distributed System for Radiation Monitoring at Linear Accelerators. IEEE Transactions on Nuclear Science, 2006, 53, 2008-2015.	2.0	17
25	Application of computer-based thermography to thermal measurements of integrated circuits and power devices. Microelectronics Journal, 1997, 28, 337-347.	2.0	15
26	Application of Green's functions for analysis of transient thermal states in electronic circuits. Microelectronics Journal, 2002, 33, 733-738.	2.0	15
27	Reliable Iris Localization Method With Application To Iris Recognition In Near Infrared Light. , 0, , .		15
28	High-Speed Data Processing Module for LLRF. IEEE Transactions on Nuclear Science, 2015, 62, 1083-1090.	2.0	15
29	Novel thermal model of microchannel cooling system designed for fast simulation of liquid-cooled ICs. Microelectronics Reliability, 2018, 87, 245-258.	1.7	15
30	A Multichannel Measurement System for Online Turbogenerator Vibration Diagnostics. IEEE Transactions on Energy Conversion, 2012, 27, 978-983.	5.2	14
31	Fully differential read-out circuitry components for MEMS-based accelerometers. , 2018, , .		14
32	Thermal monitoring of a single heat source in semiconductor devices – the first approach. Microelectronics Journal, 1997, 28, 313-316.	2.0	13
33	The distributed thermal model of fin field effect transistor. Microelectronics Reliability, 2016, 67, 9-14.	1.7	13
34	Calculation of the internal thermal resistance and ampacity of 3-core unscreened cables with fillers. IEEE Transactions on Power Delivery, 1998, 13, 699-705.	4.3	12
35	Application of inverse problem algorithms for integrated circuit temperature estimation. Microelectronics Journal, 1999, 30, 1099-1107.	2.0	12
36	A 3.2 Gbit/s CML Transmitter With 20:1 Multiplexer In 0.18 CMOS Technology. , 0, , .		12

#	ARTICLE	IF	CITATIONS
37	Chimney Effect on Natural Convection Cooling of a Transistor Mounted on a Cooling Fin. Journal of Electronic Packaging, Transactions of the ASME, 2009, 131, .	1.8	12
38	Prototype Real-Time ATCA-Based LLRF Control System. IEEE Transactions on Nuclear Science, 2011, 58, 1553-1561.	2.0	12
39	Analysis of nonlinear heat exchange phenomena in natural convection cooled electronic systems. Microelectronics Reliability, 2016, 67, 15-20.	1.7	12
40	Peak temperature reduction by optimizing power density distribution in 3D ICs with microchannel cooling. Microelectronics Reliability, 2017, 79, 488-498.	1.7	12
41	Analogue realisation of integrated FIR filters. IET Circuits, Devices and Systems, 1996, 143, 274.	0.6	11
42	rescuer " the new solution in multidomain simulations. Microelectronics Journal, 2000, 31, 945-954.	2.0	11
43	Improvement of an electro-thermal model of SiC MPS diodes. IET Power Electronics, 2018, 11, 660-667.	2.1	11
44	An analog systolic neural processing architecture. IEEE Micro, 1994, 14, 51-59.	1.8	10
45	Statistical Power Estimation For Register Transfer Level. , 0, , .		10
46	Measurement of static force at liquid helium temperature. Measurement Science and Technology, 2007, 18, 2356-2364.	2.6	10
47	Dynamic thermal modelling of a power integrated circuit with the application of structure functions. Microelectronics Journal, 2009, 40, 1135-1140.	2.0	10
48	IEEE 1588 Time Synchronization Board in MTCA.4 Form Factor. IEEE Transactions on Nuclear Science, 2015, 62, 919-924.	2.0	10
49	Comparison of Green's function solutions for different heat conduction models in electronic nanostructures. Microelectronics Journal, 2015, 46, 1162-1166.	2.0	10
50	Ultra Low Power Current-mode Algorithmic Analog-to-digital Converter Implemented In 0.18 μ m CMOS Technology For Wireless Sensor Network. , 0, , .		9
51	Improvement Of PFC Boost Converter Energy Performance Using Silicon Carbide Diode. , 0, , .		9
52	Development Of Advanced J2EE Solutions Based On Lightweight Containers On The Example Of "e-department" Application. , 2006, , .		9
53	Firmware Upgrade in xTCA Systems. IEEE Transactions on Nuclear Science, 2013, 60, 3639-3646.	2.0	9
54	Influence of lateral heat diffusion on the thermal impedance measurement of photovoltaic panels. Solar Energy Materials and Solar Cells, 2013, 112, 1-5.	6.2	9

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55	Standardized Solution for Management Controller for MTCA.4. IEEE Transactions on Nuclear Science, 2015, 62, 932-939.	2.0	9
56	Analysis of SPICE models for SiC MOSFET power devices. , 2017, , .		9
57	Thermal modelling of hybrid circuits: simulation method comparison. Microelectronics Reliability, 2000, 40, 541-546.	1.7	8
58	A SiGe Power Amplifier With Power Detector And VSWR Protection For TD-SCDMA Application. , 0, , .		8
59	Low level radio frequency control system for the european XFEL. , 0, , .		8
60	A High-speed Highly Pipelined 2N-point FFT Architecture For A Dual Ofdm Processor. , 0, , .		8
61	An accurate electro-thermal model for merged SiC PiN Schottky diodes. Microelectronics Journal, 2012, 43, 312-320.	2.0	8
62	High-voltage high input impedance unity-gain voltage buffer. Microelectronics Journal, 2013, 44, 576-585.	2.0	8
63	Evaluating the impact of scaling on temperature in FinFET-technology multicore processors. Microelectronics Journal, 2014, 45, 1806-1813.	2.0	8
64	Numerical solution of 1-D DPL heat transfer equation. , 2015, , .		8
65	Review of commercial SiC MOSFET models: Topologies and equations. , 2017, , .		8
66	Analysis And Design Of Ptat Temperature Sensor In Digital CMOS VLSI Circuits. , 0, , .		7
67	Offset Loopback Test For LC RF Transceivers. , 0, , .		7
68	Experimental verification of temperature coefficients of resistance for uniformly doped P-type resistors in SOI. Journal of Micromechanics and Microengineering, 2010, 20, 064008.	2.6	7
69	Convergence of Green's function heat equation solutions in electronic nanostructures. , 2014, , .		7
70	ACL and PCL of the knee joint in the computer diagnostics. , 2014, , .		7
71	Silicon carbide power electronics for electric vehicles. , 2015, , .		7
72	A study on microbolometer electro-thermal circuit modelling. , 2015, , .		7

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73	Infrared Detection of Delaminations Using Induction Heating. IEEE Transactions on Components and Packaging Technologies, 2004, 27, 112-116.	1.3	6
74	Poetic: A Hardware Prototyping Platform With Bioinspired Capabilities. , 0, , .		6
75	Effects Of OTA's Nonidealities On Bandpass Otabased Tow-thomas Biquad And Compensation Via Simulated Annealing Algorithm. , 0, , .		6
76	Implementation Of Bayesian Network In FPGA Circuit. , 0, , .		6
77	The application of a SRAM chip as a novel neutron detector. Journal of Experimental Nanoscience, 2006, 1, 261-268.	2.4	6
78	Intelligent Platform-Management Controller for Low-Level RF Control System ATCA Carrier Board. IEEE Transactions on Nuclear Science, 2011, 58, 1538-1543.	2.0	6
79	Analysis of the effectiveness of core swapping in modern multicore processors. , 2013, , .		6
80	Dedicated thermal emulator for analysis of thermal coupling in many-core processors. Microelectronics Journal, 2014, 45, 960-965.	2.0	6
81	Calibration of stereoscopic camera rigs using dedicated real-time SDI video processor. , 2015, , .		6
82	A simple multithreaded C++ framework for high-performance data acquisition systems. , 2015, , .		6
83	Impact of floorplanning and thermal vias placement on temperature in 2D and 3D processors. Microelectronics Journal, 2016, 52, 40-48.	2.0	6
84	Coupled thermo-fluidic simulation for design space exploration of microchannels in liquid-cooled 3D ICs. , 2016, , .		6
85	Modeling and simulation sigma-delta analog to digital converters using VHDL-AMS. , 0, , .		5
86	The Complete Passive Equivalent Circuit Of The Practical OTA-based Floating Inductor. , 0, , .		5
87	Integrated Embedded Prolog Platform For Rule-based Control Systems. , 0, , .		5
88	Scaling Rules For Mos Analog Design Reuse. , 0, , .		5
89	A Fast Method For Knock Detection Using Wavelet Transform. , 0, , .		5
90	MOS Translinear Principle Based Analogue Multiplier Divider. , 0, , .		5

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91	VHDL-AMD Model Of A 40M/s 12 Bits Pipeline ADC. , 0, , .		5
92	Hardware Realization Of The MPEG-7 Edge Histogram Descriptor. , 0, , .		5
93	Object Oriented Application Cooperation Methods with Relational Database (ORM) based on J2EE Technology. , 2007, , .		5
94	Evaluation of the ATCA fast controller standard for ITER diagnostics. Fusion Engineering and Design, 2012, 87, 2100-2105.	1.9	5
95	Active control of boundary conditions for dynamic thermal characterization of electronic components. Microelectronics Journal, 2013, 44, 1019-1024.	2.0	5
96	Remote control of 3D camera rig with embedded system. , 2015, , .		5
97	Analysis of the impact of power distribution on the efficiency of microchannel cooling in 3D ICs. , 2016, , .		5
98	Efficient uncalibrated rectification method for stereo vision systems. , 2016, , .		5
99	Thermal analysis of hybrid circuits with variable heat transfer coefficient. , 2017, , .		5
100	Review of commercial SiC MOSFET models: Validity and accuracy. , 2017, , .		5
101	Applications of Ray-Casting in Medical Imaging. Advances in Intelligent Systems and Computing, 2014, , 3-14.	0.6	5
102	Two-dimensional analysis of GTO switching under the influence of external circuit. IET Circuits, Devices and Systems, 1994, 141, 483.	0.6	4
103	Analysis Of Spiral Inductor Model In Cmos Circuit. , 0, , .		4
104	Behavioural Specification Of Programs For Modular Reconfigurable Logic Controllers. , 0, , .		4
105	Functional Level Implementation Of Evolvable Hardware Using Genetic Algorithms. , 0, , .		4
106	Electronic Document Management System. , 2006, , .		4
107	Calculations Of Nonisothermal Characteristics Of DC-DC Converters With The Average Models Taken Into Account. , 0, , .		4
108	A Novel Leakage-tolerant Domino Logic Circuit With Feedback From Footer Transistor In Ultra Deep Submicron CMOS. , 0, , .		4

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109	Noise Analysis And Noise Estimation Of An RF Sampling Front-end Using An SC Decimation Filter. , 0, , .		4
110	A Systemc Test Environment For Spin Network. , 0, , .		4
111	Modified Gray And Counter Sequences For Memory Test Address Generation. , 0, , .		4
112	Automatic Registration Of The Medical Images - T1- And T2-weighted MR Knee Images. , 0, , .		4
113	Live-wire Method With FCM Classification. , 0, , .		4
114	Satellite Navigation System GPS. , 2007, , .		4
115	Prototype Control System for Compensation of Superconducting Cavities Detuning Using Piezoelectric Actuators. IEEE Transactions on Nuclear Science, 2009, 56, 2336-2340.	2.0	4
116	The evolution of MEMS and modelling methodologies. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2012, 31, 1458-1469.	0.9	4
117	New methodology for thermal analysis of multi-core processors based on dedicated ASIC. Microelectronics Journal, 2013, 44, 623-630.	2.0	4
118	Accuracy and boundary condition independence of Cauer RC ladder compact thermal models. Microelectronics Journal, 2013, 44, 619-622.	2.0	4
119	Green's function solution of hyperbolic heat equation suitable for thermal analysis of electronic nanostructures. , 2014, , .		4
120	Current-mode signal processing implementation in HV Sol integrated systems. Microelectronics Journal, 2014, 45, 946-959.	2.0	4
121	Module hardware structure of Wireless Vehicle Weight Measurement System. , 2014, , .		4
122	Extended Sensor Reliability Evaluation Method in multi-sensor control systems. Microelectronics Reliability, 2015, 55, 671-678.	1.7	4
123	Thermal simulation of nanoscale platinum heaters. , 2016, , .		4
124	The numerical analysis of heat transfer at nanoscale using full and reduced DPL models. , 2017, , .		4
125	Fast Intra Bunch Train Charge Feedback for FELs Based on Photo Injector Laser Pulse Modulation. IEEE Transactions on Nuclear Science, 2017, 64, 2904-2910.	2.0	4
126	Measurement and Modeling of Heat Conduction in MEMS Nanostructures. , 2018, , .		4

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127	Different methods of capacitive comb drive MEMS accelerometer simulations. , 2018, , .		4
128	Universal Behavioural Model for SiC Power MOSFETs Under Forward Bias. , 2018, , .		4
129	Modelling, Simulations and Performance Analysis of MEMS vibrating Gyroscope in Coventor MEMS+ Environment. , 2019, , .		4
130	Noise Influence on Operation of Capacitive Sensor Analog Readout Circuit in Simulation versus Measurement Comparison. , 2021, , .		4
131	SPICE-based simulation website: application to teaching of power electronics. , 0, , .		3
132	Finite elements simulations of piezoresistive sensor of blood pressure. , 0, , .		3
133	The Impact Of Technology Parameters On The Performance Of Common-gate LNAs. , 2006, , .		3
134	Rapid Prototyping Of Algorithmic Analog Digital Converters Based On FPAA Devices. , 0, , .		3
135	Implementation Of The Conscience Mechanism For Kohonen's Neural Network In Cmos 0.18 $\hat{1}/4$ m Technology. , 0, , .		3
136	Distributed Applications Testing Methods. , 2006, , .		3
137	Predictive Frequency Control For Low Power Digital Systems. , 0, , .		3
138	Estimation Of Threshold Crossing Time In Low-loss Interconnects. , 0, , .		3
139	Modeling Of Quantization Noise In Switched-current Sigma-delta Modulator Using VHDL-AMS. , 0, , .		3
140	A Study On Circuit Design Of Integrated Cmos Analog Matched Filter. , 0, , .		3
141	Four-quadrant Analog Multiplier Based On CMOS Inverters. , 0, , .		3
142	USB-based Background Mode Debugger For Freescale Processors. , 0, , .		3
143	Transmission Line Pulsing Tester For On-chip ESD Protection Testing. , 0, , .		3
144	The radiation tolerant readout system for srambased neutron detector. , 2006, , .		3

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145	The Linux As The Operating System For Computational Node Of Custom Computing Machine Class System. , 0, , .		3
146	Using neural network for reduction distroction introduced by power amplifier in digital communication systems. , 0, , .		3
147	Radiation monitoring system for X-FEL. Measurement Science and Technology, 2007, 18, 2397-2403.	2.6	3
148	Selected Methods of Spam Filtering in Email. , 2007, , .		3
149	Application of structure functions for the investigation of forced air cooling. , 2007, , .		3
150	The Automatic Implementation of Software Implemented Hardware Fault Tolerance Algorithms as a Radiation-Induced Soft Errors Mitigation Technique. , 2008, , .		3
151	Real time temperature monitoring of ICs with boundary temperature scan. , 2009, , .		3
152	Wireless Communication Solution for Distributed Structural Health Monitoring. International Journal of Electronics and Telecommunications, 2013, 59, 177-184.	0.5	3
153	Towards automatic calibration of stereoscopic video systems. , 2015, , .		3
154	Rapid-X - An FPGA Development Toolset Using a Custom Simulink Library for MTCA.4 Modules. IEEE Transactions on Nuclear Science, 2015, 62, 940-946.	2.0	3
155	Modelling of average radiation and convection heat transfer coefficient value in electronic systems. , 2016, , .		3
156	DPL thermal model of test microchip structure without cavity dedicated to estimation of nanoelectronic circuits thermal properties. , 2016, , .		3
157	A C++ shared-memory ring-buffer framework for large-scale data acquisition systems. , 2017, , .		3
158	The electric energy stored in PEDOT:PSS capacitors integrated on textile substrate. International Journal of Clothing Science and Technology, 2018, 30, 808-816.	1.1	3
159	Considerations on Electronic System Compact Thermal Models in the Form of RC Ladders. , 2019, , .		3
160	Continuous Wave Operation of Superconducting Accelerating Cavities With High Loaded Quality Factor. IEEE Transactions on Nuclear Science, 2020, 67, 2119-2127.	2.0	3
161	A Mobile Robot Position Adjustment as a Fusion of Vision System and Wheels Odometry in Autonomous Track Driving. Applied Sciences (Switzerland), 2021, 11, 4496.	2.5	3
162	Recent research in VLSI, MEMS and power devices with practical application to the ITER and dream projects. Facta Universitatis - Series Electronics and Energetics, 2014, 27, 561-588.	0.9	3

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163	Mechanical simulation of 3-axis accelerometer using a single proof-mass. , 2017, , .		3
164	A new compact physical submicron MOSFET model for circuit simulation. Microelectronic Engineering, 2000, 51-52, 373-392.	2.4	2
165	Design of sensing and protection circuits for smart power devices. , 0, , .		2
166	SDRAM controller for real time digital image processing systems. , 0, , .		2
167	VHDL-AMS: a competitor for SPICE in modeling of semiconductor devices. , 0, , .		2
168	Application of CFDRC software for modeling of chosen microstructures. , 0, , .		2
169	A distributed System for Radiation Monitoring at Linear Accelerators. , 2005, , .		2
170	New High Frequency Model For Substrate Crosstalk Noise Injected By SOI Devices. , 0, , .		2
171	Die Attach Thermal Monitoring Of IGBT Devices. , 0, , .		2
172	Asynchronous Sigma-delta Modulator Based On The Charge Pump Integrator. , 0, , .		2
173	High-precision Low-power Voltage Follower For Hardware Signal Processing. , 0, , .		2
174	Easily Extendible Framework For Computational Purposes Based On Javaserer Faces. , 2006, , .		2
175	Comparing The Performance Of A Low-power High Speed Flip-flop In Bulk And Soi Technologies. , 0, , .		2
176	Web Application For Project Management Based On Open Source Solutions. , 2006, , .		2
177	A VCO Based Digital Microphone Utilizing A FIR Sigma Delta Converter. , 0, , .		2
178	Benchmarking In Electronic Design Automation. , 0, , .		2
179	Experiments Around Sparc Leon-2 For Mpeg Encoding. , 0, , .		2
180	Silicon carbide devices and processes - present status and future pers. , 0, , .		2

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181	Max-supply selector using a voltage comparator. , 0, , .		2
182	Non-fourier Thermal Conduction In Nano-scaled Electronic Structures. , 0, , .		2
183	A CMOS 0.13 Micrometer Realization Of External Component Free 1Gbps LVDS Driver. , 0, , .		2
184	Programmable Clock Signal Generators For SC Structures. , 0, , .		2
185	High Gain LNA Design For WMAN Receiver & Optimization With Simulated Annealing Algorithm. , 0, , .		2
186	Application For Assigning Grades To Students Using Public Key Infrastructure. , 2006, , .		2
187	Design Methodology Based On The Analog Blocks Retargeting From Bulk To FD SOI Using EKV Model. , 0, , .		2
188	Modification Of Compact Bipolar Transistor Model For DFM (design For Manufacturing) Applications. , 0, , .		2
189	A Practical Approach To The Modelling, Visualising And Executing Of Reactive Systems. , 0, , .		2
190	Distributed Reporting System Based on Java 2 Micro Edition. , 2006, , .		2
191	Comprehensive Approach to Web Applications Testing and Performance Analysis. , 2007, , .		2
192	Thesis Management Supporting System based on J2EE Platform. , 2007, , .		2
193	Aircraft Control System Application based on Apache Struts MVC Framework. , 2007, , .		2
194	Heat dissipation and temperature distribution in long interconnect lines. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2010, 58, 119-124.	0.8	2
195	Generation of reduced thermal models of electronic systems from transient thermal response. , 2011, , .		2
196	Test ASIC for investigation of thermal coupling in Many-Core Architectures. , 2012, , .		2
197	Cache leakage power estimation using architectural model for 32 nm and 16 nm technology nodes. , 2012, , .		2
198	The behavioral approach to silicon carbide power components modeling. Proceedings of SPIE, 2013, , .	0.8	2

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199	Hybrid power system for Truck Recognition System. , 2014, , .		2
200	Multiscale flow model for simulation of biofluidic mixtures in Lab-Chip devices. , 2014, , .		2
201	High-voltage trapezoidal waveform generator with edge-rounding functionality implementations. , 2014, , .		2
202	Green's function solution for dual-phase-lag heat conduction model in electronic nanostructures. , 2015, , .		2
203	Mixed signal ASIC controller for satellite medium power DC/DC converters. , 2015, , .		2
204	Influence of Dry Cleaning on the Electrical Resistance of Screen Printed Conductors on Textiles. Autex Research Journal, 2016, 16, 146-153.	1.1	2
205	Human Machine Interface for data acquisition systems applied in High Energy Physics. , 2016, , .		2
206	Polyhedral Source-to-Source Compiler. , 2016, , .		2
207	Thermal simulation of hybrid circuits with variable heat transfer coefficient. , 2017, , .		2
208	The scope of applicability of DPL model to the heat transfer in electron devices. , 2017, , .		2
209	Manufacturing and characterisation of MEMS test nanostructures. , 2017, , .		2
210	Experimental Determination of Junction-to-Case Thermal Resistance in LED Compact Thermal Models. , 2018, , .		2
211	Electrical equivalent model of MEMS accelerometer in Matlab/SIMULINK environment. , 2018, , .		2
212	Measurement and Simulation of Test Structures Dedicated to the Investigation of Heat Diffusion at Nanoscale. , 2019, , .		2
213	Analysis of Temperature Variation Influence on Capacitance Inertial Sensors Parameters. , 2020, , .		2
214	Architecture of Wireless Vehicle Weight Measurement System for Structural Health Monitoring in Civil Engineering Application. International Journal of Distributed Sensor Networks, 2015, 11, 202545.	2.2	2
215	Fusion of morphological data obtained by coronary computed tomography angiography with quantitative echocardiographic data on regional myocardial function. Cardiology Journal, 2016, 23, 264-269.	1.2	2
216	High-Level Partitioning of Digital Systems Based on Dynamically Reconfigurable Devices. Lecture Notes in Computer Science, 2002, , 271-280.	1.3	2

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217	Computerized thermography based diagnosis in perinatology. , 0, , .		1
218	Architecture of reprogrammable processor specified for video processing. , 0, , .		1
219	Multi-technology with VHDL-AMS. , 0, , .		1
220	CHEMFET modelling for hardware description languages. , 0, , .		1
221	Simulating electroosmosis and electrophoresis phenomena in capillaries using CFD-ACE+ software. , 0, , .		1
222	The new approach to simulate electrokinetic phenomena in fluids by using VHDL-AMS language. , 0, , .		1
223	Application of CAD tools for design and simulation of capacitive microaccelerometers. , 0, , .		1
224	Investigation of metal-glaze structures with photoacoustic and infrared methods. Review of Scientific Instruments, 2003, 74, 533-535.	1.3	1
225	Punsim: an advanced surface potential based MOSFET model. , 0, , .		1
226	8-bit Semi-flash A/D Converter. , 0, , .		1
227	Scaling Issues In An 0.15 μ m CMOS Technology With EKV3.0. , 0, , .		1
228	Low Power Discriminators With Input Offsets Correction For Fast Multichannel Recording ASIC. , 0, , .		1
229	A sigma-delta ADC design automation tool with embedded performance estimator. , 0, , .		1
230	Digital Method Of Phase Shift Measuring. , 0, , .		1
231	1/f noise corner modeling. , 0, , .		1
232	New method for RF field amplitude and phase calibration in flash accelerator. , 0, , .		1
233	The low level radio frequency system architecture for the european X-FEL. , 0, , .		1
234	Fully Differential Rail-to-rail Input Opamp With Novel Constant-transconductance Control In 120nm CMOS Technology. , 0, , .		1

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235	Optimization Of Speed And Power In A 16-bit Carryskip Adder In 70nm Technology. , 0, , .		1
236	Design Of Decimation Filter For Multibit Sigmadelata Modulator With Two-step Quantization. , 0, , .		1
237	Distributed Application For Collecting Data From Mobile Devices. , 2006, , .		1
238	Design Of A Multichannel Asic For Large Scale Spatio-temporal Distributed Stimulation Of Neural Tissue. , 0, , .		1
239	A User-friendly Benchmark Tool For MOS Models. , 0, , .		1
240	Synthesis Of Compositional Microprogram Control Units With Sharing Codes And Address Decoder. , 0, , .		1
241	Detection Of Endpoints Of Isolated Words Using Slope Transformation. , 2006, , .		1
242	Switching Power Amplifier With Feedback For Improving Total Harmonic Distortion. , 0, , .		1
243	VHDL-AMS Model Creation. , 0, , .		1
244	Optimization Of Control Memory Size Of Control Unit With Codes Sharing. , 0, , .		1
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