

ARUNA PRIYA. P

List of Publications by Year in descending order

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51
papers

178
citations

1307594

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1281871

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all docs

51
docs citations

51
times ranked

159
citing authors

#	ARTICLE	IF	CITATIONS
1	FDTD Study on Evolution of Trimer Silver@Silica Nanospheres to Dimer for SERS Characteristics. Plasmonics, 2022, 17, 647-652.	3.4	3
2	Corrupted Image Enhancement Through WaveNet: A Hybrid Approach. Lecture Notes in Electrical Engineering, 2022, , 31-38.	0.4	0
3	1D randomised photonic crystals: the influence as single and dual channel narrowband filter. Emerging Materials Research, 2022, 11, 1-7.	0.7	1
4	Wavelet transform approach for image processing “ A research motivation for engineering graduates. International Journal of Electrical Engineering and Education, 2021, 58, 373-384.	0.8	3
5	Retinal image enhancement using adaptive histogram equalization tuned with nonsimilar grouping curvelet. International Journal of Imaging Systems and Technology, 2021, 31, 1050-1064.	4.1	8
6	FB-GSA: A fuzzy bi-level programming based gravitational search algorithm for unconstrained optimization. Applied Intelligence, 2021, 51, 1857-1887.	5.3	1
7	SD-ESHO: Security-dominated finite state machine state assignment technique with a satisfactory level of hardware optimization. IET Computers and Digital Techniques, 2021, 15, 372-392.	1.2	1
8	KD-LBA: a Kernighan Lin-driven logarithmic barrier approach to solve the many-to-many assignment problem and its application in CPU/FPGA scheduling. Cluster Computing, 2021, 24, 3101.	5.0	0
9	Dielectric Pocket-Pocket Intrinsic Triple Gate TFET for Low Power Application: A Device Level Analysis. ECS Journal of Solid State Science and Technology, 2021, 10, 071019.	1.8	0
10	Contrast and Luminance Enhancement Technique for Fundus Images Using Bi-Orthogonal Wavelet Transform and Bilateral Filter. ECS Journal of Solid State Science and Technology, 2021, 10, 071010.	1.8	0
11	Modeling of Double-Gate Field-Effect Diodes for Analog Applications. ECS Journal of Solid State Science and Technology, 2021, 10, 101012.	1.8	1
12	Diagnosis of Parkinson’s Disease at an Early Stage Using Volume Rendering SPECT Image Slices. Arabian Journal for Science and Engineering, 2020, 45, 2799-2811.	3.0	9
13	10 nm TriGate High k Underlap FinFETs: Scaling Effects and Analog Performance. Silicon, 2020, 12, 2111-2119.	3.3	15
14	Angle-Sensitive Detector Based on Silicon-On-Insulator Photodiode Stacked with Surface Plasmon Antenna. Sensors, 2020, 20, 5543.	3.8	6
15	Modeling, optimization and comprehensive comparative analysis of 7nm FinFET and 7nm GAAFET devices. AIP Conference Proceedings, 2020, , .	0.4	1
16	Polarization Dependence Of Incident Angle Sensitivity In Soi Photodiode With 2d Hole Array Grating. , 2020, , .		0
17	Reset: A Reconfigurable state encoding technique for FSM to achieve security and hardware optimality. Microprocessors and Microsystems, 2020, 77, 103196.	2.8	4
18	Angular selectivity of SOI photodiode with surface plasmon antenna. IEICE Electronics Express, 2020, 17, 20200187-20200187.	0.8	5

#	ARTICLE	IF	CITATIONS
19	A Gradient-Based Interior-Point Method to Solve the Many-to-Many Assignment Problems. Complexity, 2019, 2019, 1-13.	1.6	4
20	Low power & high gain differential amplifier using 16Ånm FinFET. Microprocessors and Microsystems, 2019, 71, 102873.	2.8	3
21	Optimization of electric field enhancement of Ag@SiO ₂ trimer nanospheres by finite difference time domain method. Applied Surface Science, 2019, 495, 143547.	6.1	12
22	Artificial neural network based wavelet transform technique for image quality enhancement. Computers and Electrical Engineering, 2019, 76, 258-267.	4.8	17
23	FPGA Implementation of an Improved Reconfigurable FSMIM Architecture Using Logarithmic Barrier Function Based Gradient Descent Approach. International Journal of Reconfigurable Computing, 2019, 2019, 1-17.	0.2	5
24	Directivity of SOI Photodiode with Gold Surface Plasmon Antenna. , 2019, , .		1
25	Three Dimensional Analysis of SPECT Images for Diagnosing Early Parkinsonâ€™s Disease using Radial Basis Function Kernel âˆ™ Extreme Learning Machine. Current Medical Imaging, 2019, 15, 461-470.	0.8	7
26	Hetero structure PNP tunnel FET: Analysis of scaling effects on counter doping. Applied Surface Science, 2018, 449, 823-828.	6.1	11
27	Image quality improvement using dddtdwt. International Journal of Engineering and Technology(UAE), 2018, 7, 416.	0.3	0
28	An Effective Substitution Technique for Data Hiding in Compressed Video Streams. International Journal of Engineering and Technology(UAE), 2018, 7, 116.	0.3	0
29	Comparative Study of Optical Response of Semiconductors Using FDTD Method. International Journal of Engineering and Technology(UAE), 2018, 7, 59.	0.3	0
30	Analysis of a Multiple Supply Voltage Floorplan Considering Voltage Drop and Electron Migration Risk. International Journal of Engineering and Technology(UAE), 2018, 7, 496.	0.3	2
31	Implementation of dictionary pair learning algorithm for image quality improvement. Journal of Physics: Conference Series, 2018, 1000, 012002.	0.4	0
32	Module Based Floorplanning Methodology to Satisfy Voltage Island and Fixed Outline Constraints. Electronics (Switzerland), 2018, 7, 325.	3.1	12
33	Double Density Dual Tree Discrete Wavelet Transform implementation for Degraded Image Enhancement. Journal of Physics: Conference Series, 2018, 1000, 012120.	0.4	3
34	FPGA Implementation of Reconfigurable Finite State Machine with Input Multiplexing Architecture Using Hungarian Method. International Journal of Reconfigurable Computing, 2018, 2018, 1-15.	0.2	10
35	High-efficiency cascade based design of doherty amplifier for wireless applications. , 2017, , .		0
36	Nanoscale Electronic Processing of Artificial Network of Synapse for Neuromorphic Memristor Computing. Journal of Computational and Theoretical Nanoscience, 2017, 14, 3170-3176.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Power optimization of RF transceiver with cascode low noise amplifier using FinFET. , 2016, , .		0
38	Role of side groups and temperature dependent studies in a molecular device. Journal of Computational Electronics, 2015, 14, 240-248.	2.5	3
39	Design and analysis of a 4-bit low power universal Barrel-shifter in 16nm FinFET technology. , 2014, , .		8
40	Noise reduction based on Double Density Discrete Wavelet Transform. , 2014, , .		10
41	Modelling and simulation of carbon nanotubes (CNT) for nanoelectronics device applications. , 2013, , .		1
42	Investigation of Terminal Group Effect on Electron Transport Through Open Molecular Structures. Communications in Theoretical Physics, 2013, 59, 649-654.	2.5	2
43	Semiempirical Study of Electron Transport of Heterocyclic Molecule Based Molecular Devices. Journal of Computational and Theoretical Nanoscience, 2013, 10, 213-217.	0.4	4
44	Terminal group effect of electrode-molecule interface on electron transport. , 2012, , .		0
45	Nanoscale Control of Electronic Transport. Journal of Computational and Theoretical Nanoscience, 2011, 8, 289-292.	0.4	1
46	ELECTRON TRANSPORT INVESTIGATION OF METALâ€“MOLECULEâ€“METAL INTERFACE FOR NANOELECTRONICS. International Journal of Nanoscience, 2010, 09, 273-276.	0.7	0
47	EFFECT OF ANCHORING GROUPS ON ELECTRON TRANSPORT IN SINGLE MOLECULAR JUNCTIONS. International Journal of Nanoscience, 2010, 09, 269-272.	0.7	0
48	Semi Empirical Approach to the Charge Transport Characteristics of Molecular Junctions. IEICE Transactions on Electronics, 2009, E92-C, 1460-1463.	0.6	0
49	ANALYSIS OF CONTACT AND CHARGING EFFECTS ON NONEQUILIBRIUM ELECTRONIC TRANSPORT IN NANOSTRUCTURES. International Journal of Nanoscience, 2009, 08, 93-96.	0.7	1
50	Electron Tunneling Investigation Through Alkanedithiol Single-Molecular Junction. Nanoscience and Nanotechnology Letters, 2009, 1, 224-228.	0.4	0
51	Effect of Isomery on the Currentâ€“Voltage Characteristics of Molecular Junction for Nano Electronic Devices. Journal of Computational and Theoretical Nanoscience, 2009, 6, 1697-1701.	0.4	3