

# ARUNA PRIYA. P

## List of Publications by Year in descending order

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51  
papers

178  
citations

1307594

7  
h-index

1281871

11  
g-index

51  
all docs

51  
docs citations

51  
times ranked

159  
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial neural network based wavelet transform technique for image quality enhancement. Computers and Electrical Engineering, 2019, 76, 258-267.	4.8	17
2	10 nm TriGate High k Underlap FinFETs: Scaling Effects and Analog Performance. Silicon, 2020, 12, 2111-2119.	3.3	15
3	Module Based Floorplanning Methodology to Satisfy Voltage Island and Fixed Outline Constraints. Electronics (Switzerland), 2018, 7, 325.	3.1	12
4	Optimization of electric field enhancement of Ag@SiO <sub>2</sub> trimer nanospheres by finite difference time domain method. Applied Surface Science, 2019, 495, 143547.	6.1	12
5	Hetero structure PNP tunnel FET: Analysis of scaling effects on counter doping. Applied Surface Science, 2018, 449, 823-828.	6.1	11
6	Noise reduction based on Double Density Discrete Wavelet Transform. , 2014, , .		10
7	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
8	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
9	Design and analysis of a 4-bit low power universal Barrel-shifter in 16nm FinFET technology. , 2014, , .		8
10	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
11	Three Dimensional Analysis of SPECT Images for Diagnosing Early Parkinson's Disease using Radial Basis Function Kernel and Extreme Learning Machine. Current Medical Imaging, 2019, 15, 461-470.	0.8	7
12	Angle-Sensitive Detector Based on Silicon-On-Insulator Photodiode Stacked with Surface Plasmon Antenna. Sensors, 2020, 20, 5543.	3.8	6
13	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
14	Angular selectivity of SOI photodiode with surface plasmon antenna. IEICE Electronics Express, 2020, 17, 20200187-20200187.	0.8	5
15	Semiempirical Study of Electron Transport of Heterocyclic Molecule Based Molecular Devices. Journal of Computational and Theoretical Nanoscience, 2013, 10, 213-217.	0.4	4
16	A Gradient-Based Interior-Point Method to Solve the Many-to-Many Assignment Problems. Complexity, 2019, 2019, 1-13.	1.6	4
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	Effect of Isomery on the Current-Voltage Characteristics of Molecular Junction for Nano Electronic Devices. Journal of Computational and Theoretical Nanoscience, 2009, 6, 1697-1701.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Role of side groups and temperature dependent studies in a molecular device. Journal of Computational Electronics, 2015, 14, 240-248.	2.5	3
20	Double Density Dual Tree Discrete Wavelet Transform implementation for Degraded Image Enhancement. Journal of Physics: Conference Series, 2018, 1000, 012120.	0.4	3
21	Low power & high gain differential amplifier using 16Ånm FinFET. Microprocessors and Microsystems, 2019, 71, 102873.	2.8	3
22	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
23	FDTD Study on Evolution of Trimer Silver@Silica Nanospheres to Dimer for SERS Characteristics. Plasmonics, 2022, 17, 647-652.	3.4	3
24	Investigation of Terminal Group Effect on Electron Transport Through Open Molecular Structures. Communications in Theoretical Physics, 2013, 59, 649-654.	2.5	2
25	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
26	ANALYSIS OF CONTACT AND CHARGING EFFECTS ON NONEQUILIBRIUM ELECTRONIC TRANSPORT IN NANOSTRUCTURES. International Journal of Nanoscience, 2009, 08, 93-96.	0.7	1
27	Nanoscale Control of Electronic Transport. Journal of Computational and Theoretical Nanoscience, 2011, 8, 289-292.	0.4	1
28	Modelling and simulation of carbon nanotubes (CNT) for nanoelectronics device applications. , 2013, , .		1
29	Directivity of SOI Photodiode with Gold Surface Plasmon Antenna. , 2019, , .		1
30	Modeling, optimization and comprehensive comparative analysis of 7nm FinFET and 7nm GAAFET devices. AIP Conference Proceedings, 2020, , .	0.4	1
31	FB-GSA: A fuzzy bi-level programming based gravitational search algorithm for unconstrained optimization. Applied Intelligence, 2021, 51, 1857-1887.	5.3	1
32	SDâ€ŠHO: Securityâ€Šdominated 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
33	Modeling of Double-Gate Field-Effect Diodes for Analog Applications. ECS Journal of Solid State Science and Technology, 2021, 10, 101012.	1.8	1
34	1D randomised photonic crystals: the influence as single and dual channel narrowband filter. Emerging Materials Research, 2022, 11, 1-7.	0.7	1
35	Semi Empirical Approach to the Charge Transport Characteristics of Molecular Junctions. IEICE Transactions on Electronics, 2009, E92-C, 1460-1463.	0.6	0
36	Electron Tunneling Investigation Through Alkanedithiol Single-Molecular Junction. Nanoscience and Nanotechnology Letters, 2009, 1, 224-228.	0.4	0

#	ARTICLE	IF	CITATIONS
37	ELECTRON TRANSPORT INVESTIGATION OF METAL-MOLECULE-METAL INTERFACE FOR NANOELECTRONICS. International Journal of Nanoscience, 2010, 09, 273-276.	0.7	0
38	EFFECT OF ANCHORING GROUPS ON ELECTRON TRANSPORT IN SINGLE MOLECULAR JUNCTIONS. International Journal of Nanoscience, 2010, 09, 269-272.	0.7	0
39	Terminal group effect of electrode-molecule interface on electron transport. , 2012, , .		0
40	Power optimization of RF transceiver with cascode low noise amplifier using FinFET. , 2016, , .		0
41	High-efficiency cascade based design of doherty amplifier for wireless applications. , 2017, , .		0
42	Image quality improvement using dddtdwt. International Journal of Engineering and Technology(UAE), 2018, 7, 416.	0.3	0
43	An Effective Substitution Technique for Data Hiding in Compressed Video Streams. International Journal of Engineering and Technology(UAE), 2018, 7, 116.	0.3	0
44	Comparative Study of Optical Response of Semiconductors Using FDTD Method. International Journal of Engineering and Technology(UAE), 2018, 7, 59.	0.3	0
45	Implementation of dictionary pair learning algorithm for image quality improvement. Journal of Physics: Conference Series, 2018, 1000, 012002.	0.4	0
46	Polarization Dependence Of Incident Angle Sensitivity In Soi Photodiode With 2d Hole Array Grating. , 2020, , .		0
47	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
48	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
49	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
50	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
51	Corrupted Image Enhancement Through WaveNet: A Hybrid Approach. Lecture Notes in Electrical Engineering, 2022, , 31-38.	0.4	0