

# S Palani

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47  
papers

722  
citations

11  
h-index

26  
g-index

63  
ext. papers

878  
ext. citations

1.7  
avg, IF

4.5  
L-index

#	Paper	IF	Citations
47	Enhancing the use of coal-fly ash in coarse aggregates concrete. <i>Materials Today: Proceedings</i> , <b>2020</b> , 30, 174-182	1.4	3
46	Investigation of performance, combustion, and emission characteristics of diesel engine equipped with exhaust gas recirculation using ceria and zirconia nanoparticles-blended rice bran biodiesel. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2020</b> , 1-19	1.6	1
45	Influence of high-velocity oxygen fuel spraying and plasma nitriding on microstructure properties of iron-nickel-chromium alloy using hybrid surface heat treatment. <i>Materials Research Express</i> , <b>2019</b> , 6, 086584	1.7	5
44	Productivity enhancement of solar still by PCM and Nanoparticles miscellaneous basin absorbing materials. <i>Desalination</i> , <b>2018</b> , 433, 186-198	10.3	58
43	Performance analysis of IC engine with ceramic-coated piston. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 35210-35220	5.1	6
42	Simulation and performance evaluation of shunt hybrid power filter using fuzzy logic based non-linear control for power quality improvement. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2017</b> , 42, 1443-1452	1	5
41	Fuzzy based controllers for single inductor multiple output buck converter <b>2016</b> ,		1
40	Design and Development of Billet Sawing Machine for Improving Productivity. <i>Indian Journal of Science and Technology</i> , <b>2016</b> , 9,	1	2
39	Emission Control Diesel Power Plant for Reducing Oxides of Nitrogen through Selective Catalytic Reduction Method using Ammonia. <i>Indian Journal of Science and Technology</i> , <b>2016</b> , 9,	1	3
38	Design and Modification of Radiator in I.C. Engine Cooling System for Maximizing Efficiency and Life. <i>Indian Journal of Science and Technology</i> , <b>2016</b> , 9,	1	2
37	Design and Development of Reliable Integral Shaft Bearing for Water Pump in Automotive Engine to Reduce Assemble Time and Increase Production. <i>Indian Journal of Science and Technology</i> , <b>2016</b> , 9,	1	2
36	An intelligent approach for optimizing Energy consumption and Schedule length of Embedded multiprocessors1. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2016</b> , 31, 579-587	1.6	1
35	Solar photovoltaic fed dual input LED lighting system with constant illumination control. <i>Frontiers in Energy</i> , <b>2016</b> , 10, 473-478	2.6	1
34	Deterministic LQR controller for dc-dc Buck converter <b>2016</b> ,		3
33	Development of a hybrid genetic algorithm/perturb and observe algorithm for maximum power point tracking in photovoltaic systems under non-uniform insolation. <i>IET Renewable Power Generation</i> , <b>2015</b> , 9, 757-765	2.9	29
32	Application of a combined particle swarm optimization and perturb and observe method for MPPT in PV systems under partial shading conditions. <i>Renewable Energy</i> , <b>2015</b> , 75, 308-317	8.1	117
31	Particle Swarm Optimization based Sequential and Parallel Tasks Scheduling Model for Heterogeneous Multiprocessor Systems. <i>Fundamenta Informaticae</i> , <b>2015</b> , 139, 43-65	1	3

30	Application of random search method for maximum power point tracking in partially shaded photovoltaic systems. <i>IET Renewable Power Generation</i> , <b>2014</b> , 8, 670-678	2.9	52
29	Blood Vessel, Optical Disk and Damage Area-Based Features for Diabetic Detection from Retinal Images. <i>Arabian Journal for Science and Engineering</i> , <b>2014</b> , 39, 7059-7071		5
28	MPPT of PV Systems Under Partial Shaded Conditions Through a Colony of Flashing Fireflies. <i>IEEE Transactions on Energy Conversion</i> , <b>2014</b> , 29, 463-472	5.4	204
27	Robust Design of Power System Stabilizer using Harmony Search Algorithm. <i>Automatika</i> , <b>2014</b> , 55, 162-169		10
26	Performance Evaluation of OLSR Using Swarm Intelligence and Hybrid Particle Swarm Optimization Using Gravitational Search Algorithm. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , <b>2014</b> , 7, 3126-3133	0.2	
25	Hierarchical classifier for soft and hard exudates detection of retinal fundus images. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2014</b> , 27, 2511-2528	1.6	12
24	Prediction of surface roughness in end milling process by machine vision using neuro fuzzy network <b>2014</b> ,		3
23	On-line prediction of micro-turning multi-response variables by machine vision system using adaptive neuro-fuzzy inference system (ANFIS). <i>Machine Vision and Applications</i> , <b>2013</b> , 24, 19-32	2.8	18
22	Robust design of power system stabilizer using bacterial foraging algorithm <b>2013</b> , 62, 141-152		2
21	Energy consumption and schedule length minimisation of multiprocessor systems using genetic algorithm. <i>International Journal of Business Information Systems</i> , <b>2013</b> , 14, 21	0.6	
20	ROBUST ELECTRONIC DIFFERENTIAL CONTROLLER FOR AN ELECTRIC VEHICLE. <i>American Journal of Applied Sciences</i> , <b>2013</b> , 10, 1356-1362	0.8	5
19	Performance Comparison of Various Controllers for DC-DC Synchronous Buck Converter. <i>Procedia Engineering</i> , <b>2012</b> , 38, 2679-2693		13
18	Prediction of Surface Roughness in Milling by Machine Vision Using ANFIS. <i>Computer-Aided Design and Applications</i> , <b>2012</b> , 9, 269-288	1.4	12
17	A dynamic voltage scaling with single power supply and varying speed factor for multiprocessor system using genetic algorithm <b>2012</b> ,		6
16	Prediction and comparison of surface roughness in CNC-turning process by machine vision system using ANN-BP and ANFIS and ANN-DEA models. <i>International Journal of Machining and Machinability of Materials</i> , <b>2012</b> , 12, 154	0.7	3
15	An optimal energy and power model for dynamic voltage scaled multiprocessor systems. <i>International Journal of Business Information Systems</i> , <b>2012</b> , 11, 461	0.6	2
14	An efficient energy and schedule length model for multiprocessor computers. <i>International Journal of Computer Applications in Technology</i> , <b>2012</b> , 44, 217	0.7	3
13	Performance Evaluation of Energy Efficient Speed Control Techniques for Capacitor-run Single-phase Induction Motor Driving Domestic Fans. <i>Electric Power Components and Systems</i> , <b>2011</b> , 39, 331-345	1	2

12	Prediction of surface roughness in CNC end milling by machine vision system using artificial neural network based on 2D Fourier transform. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2011</b> , 54, 1033-1042	3.2	65
11	Detection and characterization of brain tumor using segmentation based on HSOM, wavelet packet feature spaces and ANN <b>2011</b> ,		2
10	Multiple-response modelling and optimisation of micro-turning machining parameters using response surface method. <i>International Journal of Materials Engineering Innovation</i> , <b>2011</b> , 2, 288	0.9	4
9	Buck-boost converter feedback controller design via evolutionary search. <i>International Journal of Electronics</i> , <b>2010</b> , 97, 1317-1327	1.2	10
8	Prediction of surface roughness in turning operations by computer vision using neural network trained by differential evolution algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2010</b> , 51, 965-971	3.2	26
7	Optimal feedback controller design for a buck converter using Gaussian type pheromone profile. <i>European Transactions on Electrical Power</i> , <b>2010</b> , 20, 979-993		2
6	Induction motor Parameter Estimation using Hybrid Genetic Algorithm <b>2008</b> ,		5
5	Kinetic modeling and simulation of the gluco regulatory system to detect endocrine system failure. <i>IRBM News</i> , <b>2006</b> , 27, 74-79		
4	DESIGN OF HIGH-GAIN EXCITATION CONTROLLER OF SYNCHRONOUS GENERATOR. <i>Electric Power Components and Systems</i> , <b>1982</b> , 7, 463-472		0
3	Synchronizing characteristics of a step motor. <i>IEEE Transactions on Automatic Control</i> , <b>1969</b> , 14, 510-517	5.9	5
2	Artificial neural network based voltage controller for energy efficient induction motor drive		4
1	Comparative Analysis over Tribology Characterization of TiAlN and TiAlSiN PVD Coating on Plasma Nitride Alloy 20. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> ,1	3.2	