

Research papers published in referred journals  
Department of Electrical and Electronics Engineering

<b>Title of paper</b>	<b>Name of the author's</b>	<b>Name of journal</b>	<b>Year of publication</b>	<b>ISSN number</b>	<b>Link to the recognition in ugc enlistment of the journal / digital object identifier (doi) number</b>
A robust similarity based deep siamese convolutional neural network for gait recognition across views	George M.L., Govindarajan T., Angamuthu Rajasekaran K., Bandi S.R.	Computational Intelligence	2020	0824-7935	<a href="https://www.scopus.com/sourceid/23737">https://www.scopus.com/sourceid/23737</a>
Automatic temperature control system for ship's turbine main oil cooler using PIC microcontroller	Veerakumar P., Sundar R., Lakshmi D., Zahira R.	International Journal of Advanced Science and Technology	2020	2005-4238	<a href="https://www.scopus.com/sourceid/21100829147">https://www.scopus.com/sourceid/21100829147</a>
Current mode controlled fuzzy logic based interleaved cuk converter SVM inverter fed induction motor drive system	Arun Srinivas T., Themozhi G., Nagarajan S.	Microprocessors and Microsystems	2020	0141-9331	<a href="https://www.scopus.com/sourceid/15552">https://www.scopus.com/sourceid/15552</a>
Data logger for monitoring and control of energy consumption in residential buildings using programmable logic controller	Pradeep J., Balasubramanian V., Shanthi P., Anbazhagan A., Senthil Nayagam V.	Journal of Green Engineering	2020	1904-4720	<a href="https://www.scopus.com/sourceid/21100237401">https://www.scopus.com/sourceid/21100237401</a>
Design and development of automated medical waste separation using arduino micro controller	Deva Brinda M., Sundar R., Deva Priya S.	International Journal of Advanced Science and Technology	2020	2005-4238	<a href="https://www.scopus.com/sourceid/21100829147">https://www.scopus.com/sourceid/21100829147</a>

Research papers published in referred journals  
Department of Electrical and Electronics Engineering

Design of annular combustion chamber with different types of swirl to perform pressure drop	Sumendran J., Shekar K.R.C., Jegadeeswari G., Kirubadura B.	International Journal of Scientific and Technology Research	2020	2277-8616	<a href="https://www.scopus.com/sourceid/21100894501">https://www.scopus.com/sourceid/21100894501</a>
Experimental investigation of hybrid battery/super capacitor energy storage system for electric vehicles	Gokul C., Sathish Khanna P., Gnanavel C., Vanchinathan K., Patrica L.	International Journal of Advanced Science and Technology	2020	2005-4238	<a href="https://www.scopus.com/sourceid/21100829147">https://www.scopus.com/sourceid/21100829147</a>
Fpga implementation of xor-mux full adder and subtractor based truncated dct for audio processing applications	Radhakrishnan P., Themozhi G., Sree Rathna Lakshmi N.V.S.	International Journal of Advanced Science and Technology	2020	2005-4238	<a href="https://www.scopus.com/sourceid/21100829147">https://www.scopus.com/sourceid/21100829147</a>
FPGA implementation of XOR-MUX full adder based DWT for signal processing applications	Radhakrishnan P., Themozhi G.	Microprocessors and Microsystems	2020	0141-9331	<a href="https://www.scopus.com/sourceid/15552">https://www.scopus.com/sourceid/15552</a>
Impact of BUE on surface ruggedness for machining of aluminium matrix composites (6061/fly ash)	Kirubadurai B., Kanagaraja K., Jegadeeswari G.	Advances in Materials and Processing Technologies	2020	2374-068X	<a href="https://www.scopus.com/sourceid/21100902866">https://www.scopus.com/sourceid/21100902866</a>

Research papers published in referred journals  
Department of Electrical and Electronics Engineering

Investigation and validation of an eleven level symmetric modular multilevel inverter using grey wolf optimization and differential evolution control algorithm for solar PV applications	Stonier A.A., Chinnaraj G., Kannan R., Mani G.	Circuit World	2020	0305-6120	<a href="https://www.scopus.com/sourceid/15974">https://www.scopus.com/sourceid/15974</a>
Multi carrier based new random pulse width modulation for three phase inverters	Jegadeeswari G., Kirubadurai B., Lakshmi D., Shivasankkar I.	International Journal of Scientific and Technology Research	2020	2277-8616	<a href="https://www.scopus.com/sourceid/21100894501">https://www.scopus.com/sourceid/21100894501</a>
Sensors based engine fault detection system using CAN protocol	Deva Brinda M., Sundar R., Arputharaj S., Devapriya S.	International Journal of Advanced Science and Technology	2020	2005-4238	<a href="https://www.scopus.com/sourceid/21100829147">https://www.scopus.com/sourceid/21100829147</a>
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VLSI implementation of OFDM transceiver using customized IFFT/FFT algorithm	Valli C., Mathuram S., Abinaya K., Arunkumar R.	International Journal of Advanced Science and Technology	2020	2005-4238	<a href="https://www.scopus.com/sourceid/21100829147">https://www.scopus.com/sourceid/21100829147</a>
A Competent Multiplier Architecture with Reduced Transistor Count for Radix-2 Butterfly Computation of Fast Fourier Transform	Saravanakumar Chandrasekaran., Usha Bhanu., Themozhi G	Test Engineering and Management	2020	0193-4120	<a href="https://www.scopus.com/sourceid/12997">https://www.scopus.com/sourceid/12997</a>

Research papers published in referred journals  
Department of Electrical and Electronics Engineering

AN OPTIMAL POWER FLOW ON GRID CONNECTED POWER SYSTEM USING FACTS DEVICES	S.SANKAR., S.PALANIKUMAR., M.N.SARAVANA KUMAR	Journal of Xi'an University of Architecture and Technology	2020	1006- 7930	<a href="https://www.scopus.com/sour&lt;br/&gt;ceid/37099">https://www.sc opus.com/sour ceid/37099</a>
A Unique Single Source Nine Level Inverter with Reduced Switching Devices for Single Phase AC Applications	R Sundar., C Gnanavel., P Muthukumar	International Journal of Engineering and Advanced Technology	2020	2249- 8958	<a href="https://www.scopus.com/sour&lt;br/&gt;ceid/21100899&lt;br/&gt;502">https://www.sc opus.com/sour ceid/21100899 502</a>
Characterisation of Big Data Research in Applications of Health Care	R K Padmashini., N Durai Murugan	Test Engineering and Management	2020	0193- 4120	<a href="https://www.scopus.com/sour&lt;br/&gt;ceid/12997">https://www.sc opus.com/sour ceid/12997</a>
Design of CMOS Truncated Multiplier with 10T GDI Full Adder	P Radhakrishnan., G Themozhi	Test Engineering and Management	2020	0193- 4120	<a href="https://www.scopus.com/sour&lt;br/&gt;ceid/12997">https://www.sc opus.com/sour ceid/12997</a>
IoT Based Integrated Home Security and Electrical Appliances Control System	G Jegadeeswari., C Nayanatara., Veerakumar P	Test Engineering and Management	2020	0193- 4120	<a href="https://www.scopus.com/sour&lt;br/&gt;ceid/12997">https://www.sc opus.com/sour ceid/12997</a>
Machining of Aluminum Fly ash Composite Effect of BUE on Surface Roughness	Kanagaraja K., Kirubadurai B., Jegadeeswari G	Journal of Xidian university	2020	1001- 2400	<a href="https://www.scopus.com/sour&lt;br/&gt;ceid/27686">https://www.sc opus.com/sour ceid/27686</a>
Nine Level Symmetrical Modified Multi-Level Cascaded H-Bridge Inverter	V Karthikeyan., I William Christopher., V Jamuna	International Journal of Advanced Science and Technology	2020	2005- 4238	<a href="https://www.scopus.com/sour&lt;br/&gt;ceid/21100829&lt;br/&gt;147">https://www.sc opus.com/sour ceid/21100829 147</a>
PERFORMANCE ANALYSIS OF PV BASED DC-AC CONVERTER FOR DIELECTRIC HEATING	S. D. Sundarsingh Jebaseelan., K.Vasanth., S. Jayaprakash., G.Ezhilarasi., C.N.Ravi., D.Lakshmi	Journal of Critical Reviews	2020	2394- 5125	<a href="https://www.scopus.com/sour&lt;br/&gt;ceid/21100920&lt;br/&gt;227">https://www.sc opus.com/sour ceid/21100920 227</a>

Research papers published in referred journals  
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Role of Compressed Sensing Based Image Sensor for Smart Surveillance Applications	T Sasilatha., Karthickmanoj.R., K.Balamurugan., P.Ezhilarasi., S.Arun	Test Engineering and Management	2020	0193-4120	<a href="https://www.scopus.com/sourceid/12997">https://www.scopus.com/sourceid/12997</a>
Switching Loss reduction and simulation of Quasi Z-Source Inverter System fed BLDC motor	S.Amirtharaj., D.Lakshmi., V.Madhan kumar., R.Zahira	International Journal of Advanced Science and Technology	2020	2005-4238	<a href="https://www.scopus.com/sourceid/21100829147">https://www.scopus.com/sourceid/21100829147</a>
Modelling and Simulation of Gymnastics Bicycle with Permanent Magnet Synchronous Generator	P Muthukumar., V Karthikeyan	Journal of Interdisciplinary Cycle Research	2020	0022-1945	<a href="http://jicrjournal.com/gallery/183-jicr-july-2934.pdf">http://jicrjournal.com/gallery/183-jicr-july-2934.pdf</a>
A Study of Landsman, Sepic and Zeta Converter by Particle Swarm Optimization Technique	Manikandan K., Sivabalan A., Sundar R., Surya P.	2020 6th International Conference on Advanced Computing and Communication Systems, ICACCS 2020	2020	-	<a href="https://doi.org/10.1109/ICACCS48705.2020.9074164">https://doi.org/10.1109/ICACCS48705.2020.9074164</a>
Cost-Effective Dispatch Using Grey Wolf Optimization Algorithm: Solution with Diverse Load Pattern	Kadali K., Loganathan R., Veerasamy M., Jawalker V.	2020 International Conference on System, Computation, Automation and Networking, ICSCAN 2020	2020	-	<a href="https://doi.org/10.1109/ICSCAN49426.2020.9262374">https://doi.org/10.1109/ICSCAN49426.2020.9262374</a>

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Department of Electrical and Electronics Engineering

PV Powered Standardised Irrigation System Using Soil Moisture Sensor	Immanue T.B., Rathnavel P., Adarsh P., Duraipandi A., Yaseer N.M.	2020 6th International Conference on Advanced Computing and Communication Systems, ICACCS 2020	2020	-	<a href="https://doi.org/10.1109/ICACC548705.2020.9074250">https://doi.org/10.1109/ICACC548705.2020.9074250</a>
Solving Combined Economic and Emission Dispatch Problem Using Hybrid RGA-DE Algorithm	Ravi C.N., Vasanth K., Harikrishnan R., Godwin Immanuel D., Lakshmi D., Madhusudhana Rao G.	Advances in Intelligent Systems and Computing	2020	2194-5357	<a href="https://doi.org/10.1007/978-981-15-1084-7_75">https://doi.org/10.1007/978-981-15-1084-7_75</a>
Investigation on corona performance of conductors using fabricated indoor corona cage	Megala V., Karpagam R., Sathishkumar G K., Gopinath B., Kumar P Marish., Brindha M Deva	Materials Today: Proceedings	2020	2214-7853	<a href="https://doi.org/10.1016/j.matpr.2020.10.682">https://doi.org/10.1016/j.matpr.2020.10.682</a>
A simplified optimal THD modulation algorithm for multi level inverter with reduced components	Karthikeyan V., Jamuna V.	International Journal of Recent Technology and Engineering	2019	2277-3878	<a href="https://www.scopus.com/sourceid/21100889873">https://www.scopus.com/sourceid/21100889873</a>
Design and analysis of low power full adder for portable and wearable applications	Benjamin Franklin A., Sasilatha T.	International Journal of Recent Technology and Engineering	2019	2277-3878	<a href="https://www.scopus.com/sourceid/21100889873">https://www.scopus.com/sourceid/21100889873</a>
Energy efficient light monitoring and control architecture using embedded system	Rathnavel P., Baldwin Immanuel T., Rayavel P.	International Journal of Recent Technology and Engineering	2019	2277-3878	<a href="https://www.scopus.com/sourceid/21100889873">https://www.scopus.com/sourceid/21100889873</a>

Research papers published in referred journals  
Department of Electrical and Electronics Engineering

Energy saving light monitoring and control architecture using Arduino	Rathnavel P., Baldwin Immanuel T., Rayavel P.	International Journal of Innovative Technology and Exploring Engineering	2019	2278-3075	<a href="https://www.scopus.com/sourceid/21100889409">https://www.scopus.com/sourceid/21100889409</a>
Grey wolves optimization for economic load dispatch with practical constraints	Kadali K.S., Loganathan R.	International Journal of Recent Technology and Engineering	2019	2277-3878	<a href="https://www.scopus.com/sourceid/21100889873">https://www.scopus.com/sourceid/21100889873</a>
Miniaturisation using shorting posts in C-shaped and H-shaped microstrip patch antennas for GPS applications	Saravanan S.V., Sindhuja S.	International Journal of Recent Technology and Engineering	2019	2277-3878	<a href="https://www.scopus.com/sourceid/21100889873">https://www.scopus.com/sourceid/21100889873</a>
Operating system using CAN bus on different process circulated technology with high speed prime marine engine	Sundar R., Arputharaj S.	International Journal of Innovative Technology and Exploring Engineering	2019	2278-3075	<a href="https://www.scopus.com/sourceid/21100889409">https://www.scopus.com/sourceid/21100889409</a>
Optimization of gas turbine blade cooling system	Kanagaraja K., Jegadeeswari G., Kirubadurai B.	International Journal of Innovative Technology and Exploring Engineering	2019	2278-3075	<a href="https://www.scopus.com/sourceid/21100889409">https://www.scopus.com/sourceid/21100889409</a>
Performance analysis of power quality improvement using shunt active power filter	Jegadeeswari G.	International Journal of Recent Technology and Engineering	2019	2277-3878	<a href="https://www.scopus.com/sourceid/21100889873">https://www.scopus.com/sourceid/21100889873</a>
Real time brain computer interface system	Parameswari M., Sasilatha T., Mahalakshmi K., Uma P., Kokila P.	International Journal of Recent Technology and Engineering	2019	2277-3878	<a href="https://www.scopus.com/sourceid/21100889873">https://www.scopus.com/sourceid/21100889873</a>

Research papers published in referred journals  
Department of Electrical and Electronics Engineering

Research on regenerative and dynamic braking performance in motor application	Ramaswami S., Sundar R.	International Journal of Innovative Technology and Exploring Engineering	2019	2278-3075	<a href="https://www.scopus.com/sourceid/21100889409">https://www.scopus.com/sourceid/21100889409</a>
PERFORMANCE INDICATORS OF RECTANGULAR MICROSTRIP PATCH ANTENNA	BISWA RANJAN BARIK., A KALIRASU	International Journal of Mechanical and Production Engineering Research and Development	2019	2249-6890	<a href="https://www.scopus.com/sourceid/21100814505">https://www.scopus.com/sourceid/21100814505</a>
Digital Image Falsification Detection System for Effective Data Communication	T Sasilatha., K R Anupriya., C Gnana Kousalya., S Arun	International Journal of Engineering and Advanced Technology	2019	2249-8958	<a href="https://www.scopus.com/sourceid/21100899502">https://www.scopus.com/sourceid/21100899502</a>
Modified PMSG System using Trans Z Source Network for Grid Connected UPFC System	W R Thulasi Brindha., T Baldwin Immanuel	International Journal of Engineering and Advanced Technology	2019	2249-8958	<a href="https://www.scopus.com/sourceid/21100899502">https://www.scopus.com/sourceid/21100899502</a>
Non-Contact Heart Rate Monitoring using Facial Video	T Sasilatha., Gnana Kousalya., Gowtham Venkatesan., Charan Ramesh	International Journal of Engineering and Advanced Technology	2019	2249-8958	<a href="https://www.scopus.com/sourceid/21100899502">https://www.scopus.com/sourceid/21100899502</a>
PV Fed Seven-Level Inverter using Fuzzy Control Technique	T. Baldwin Immanuel., P. Rathnavel., M. Rajavelan	International Journal of Engineering and Advanced Technology	2019	2249-8958	<a href="https://www.scopus.com/sourceid/21100899502">https://www.scopus.com/sourceid/21100899502</a>
Road Tyre Friction Used to Generation of Electrification	Rathnavel P., Baldwin Immanuel., Rayavel P	International Journal of Engineering and Advanced Technology	2019	2249-8958	<a href="https://www.scopus.com/sourceid/21100899502">https://www.scopus.com/sourceid/21100899502</a>
Robot for Under Water Monitoring	C. Gnana Kousalya., G. Rohini., T. Sasilatha	International Journal of Engineering and Advanced Technology	2019	2249-8958	<a href="https://www.scopus.com/sourceid/21100899502">https://www.scopus.com/sourceid/21100899502</a>



Research papers published in referred journals  
Department of Electrical and Electronics Engineering

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Earth Voltage Monitoring and Alert System for Indian ATM System	Brinda M.D., Uvaze Ahamed M.A., Sundar R., Padmapriya M., Porkodi V., Krishnan S.	Proceedings of 2019 International Conference on Computational Intelligence and Knowledge Economy, ICCIKE 2019	2019	-	<a href="https://doi.org/10.1109/ICCIKE47802.2019.9004282">https://doi.org/10.1109/ICCIKE47802.2019.9004282</a>
An impact of zigbee technology in data communication system	Dhanya T.	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
A novel high step up matrix converter with phase shifted output	Elavarasi R.	Journal of Engineering and Applied Sciences	2018	1816-949X	<a href="https://www.scopus.com/sourceid/21100231100">https://www.scopus.com/sourceid/21100231100</a>
A novel hydro powered online power converter for marine lighting applications	Sinu K.J., Ranganathan G.	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
A photo voltaic source fed novel boosting switched Z-source multilevel inverter	Sinu K.J., Ranganathan G.	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
A PMSG wind with power factor correction and PV based multiport high voltage gain converter	Dafny., Saravanan S.V.	Indian Journal of Public Health Research and Development	2018	0976-0245	<a href="https://www.scopus.com/sourceid/19700188435">https://www.scopus.com/sourceid/19700188435</a>

Research papers published in referred journals  
Department of Electrical and Electronics Engineering

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A PV FED three phase switched Z-source multi level inverter for induction motor drives	Sinu K.J., Ranganathan G.	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
A review on ZIGBEE in WSN	Karthikeyan V.	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
A study of secured enabled passive optical network enabling RoF	Deepak M.	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
Attractive lunar power creation using enormity and clean stream tube	Hema K., Muralidharan	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
Audio denoising based on short time fourier transform	Ashwin J.S., Manoharan N.	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
A view on creep failure in distribution transformers	Elavarasi R.	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
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Research papers published in referred journals  
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Design and implementation of next generation automotive theft preventive system	Hema K., Muralidharan	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
Dual input Z-source inverter fed PMSM based renewable energy	Karthikeyan V.	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
Earthquake prediction using teleseismometers via wireless sensor networks	Hema K., Muralidharan	Indian Journal of Environmental Protection	2018	0253-7141	<a href="https://www.scopus.com/sourceid/22688">https://www.scopus.com/sourceid/22688</a>
Effectiveness of an automatic centralized remote observing system (ACROS) for accuracy forestry	Kadali K.S., Rajaji L.	Indian Journal of Environmental Protection	2018	0253-7141	<a href="https://www.scopus.com/sourceid/22688">https://www.scopus.com/sourceid/22688</a>
Efficient and energy scheme for wireless rechargeable sensor network	Saravanan S.V.	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
Electrical interference problemson commercial fishing vessels: A review	Sinha P.K., Sharan P.	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
Embedded system based power plant monitoring and controlling	Ashwin J.S., Manoharan N.	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
Energy monitoring system to display on web page using ESP8266	Veerakumar P.	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>

Research papers published in referred journals  
Department of Electrical and Electronics Engineering

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Evaluation of energy in wind turbine system using probability distribution	Kadali K.S., Rajaji L.	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
High frequency transformer for ship electrical power system	Anu Priya K.R., Sasilatha T.	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
Multiplexer based multiplications for signal processing applications	Sinha P.K., Sharan P.	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
Novel multifunctional of magnesium ions (Mg++) incorporated calcium phosphate nanostructures	Arul K.T., Ramesh M., Chennakesavan C., Karthikeyan V., Manikandan E., Umar A., Maaza M., Henini M.	Journal of Alloys and Compounds	2018	0925-8388	<a href="https://www.scopus.com/sourceid/12325">https://www.scopus.com/sourceid/12325</a>
Optimization of arithmetical operators for the enhanced wallace stage	Gugan K., Saravanan S.V.	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>
Performance development of a BLDC motor driven water pump using KY converter	Priya A., Sasilatha	Indonesian Journal of Electrical Engineering and Computer Science	2018	2502-4752	<a href="https://www.scopus.com/sourceid/21100799500">https://www.scopus.com/sourceid/21100799500</a>

Research papers published in referred journals  
Department of Electrical and Electronics Engineering

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