Ciji Pearl Kurian

List of Publications by Year
in descending order

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		1162367	1058022
54	331	8	14
papers	citations	h-index	g-index

56	56	56	312
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solar PV System Design Using PVsyst: A Case Study of an Academic Institute. , 2018, , .		36
2	Electronically Tunable ACO Based Fuzzy FOPID Controller for Effective Speed Control of Electric Vehicle. IEEE Access, 2021, 9, 73392-73412.	2.6	33
3	Prospective techniques of effective daylight harvesting in commercial buildings by employing window glazing, dynamic shading devices and dimming controlâ€"a literature review. Building Simulation, 2008, 1, 279.	3.0	28
4	Comparative study of zigBee topologies for IoTâ€based lighting automation. IET Wireless Sensor Systems, 2019, 9, 201-207.	1.3	26
5	Color characterization of multicolor multichip LED luminaire for indoor. Journal of Building Engineering, 2018, 18, 19-32.	1.6	20
6	Thermal characterization of multicolor LED luminaire. Microelectronics Reliability, 2017, 78, 379-388.	0.9	19
7	White light source towards spectrum tunable lighting — A review. , 2014, , .		12
8	Daylight-Artificial Light Integrated Scheme Based on Digital Camera and Wireless Networked Sensing-Actuation System. IEEE Transactions on Consumer Electronics, 2019, 65, 284-292.	3.0	12
9	Ensemble Learning Model-Based Test Workbench for the Optimization of Building Energy Performance and Occupant Comfort. IEEE Access, 2020, 8, 96075-96087.	2.6	11
10	Electric vehicle speed tracking control using an ANFIS-based fractional order PID controller. Journal of King Saud University, Engineering Sciences, 2022, , .	1.2	11
11	Sustainable building design based on building information modeling (BIM). , 2016, , .		10
12	Spectral, visual, thermal, energy and circadian assessment of PDLC glazing in warm and humid climate. Solar Energy, 2022, 241, 576-583.	2.9	10
13	A study of communication protocols and wireless networking systems for lighting control application. , 2015, , .		8
14	Application of accelerated life testing principles to project long term lumen maintenance of LED luminaires. , 2012, , .		7
15	Multiobjective generalized extremal optimization algorithm for simulation of daylight illuminants. Journal of Photonics for Energy, 2017, 7, 1.	0.8	7
16	Gaussian Regression Models for Evaluation of Network Lifetime and Cluster-Head Selection in Wireless Sensor Devices. IEEE Access, 2022, 10, 20875-20888.	2.6	7
17	Junction temperature measurement of a LED street light using forward voltage method. , 2014, , .		6
18	Commissioning of camera calibration factor for luminance measurement. , 2014, , .		6

#	Article	IF	Citations
19	Optimizing Daylight Glare and Circadian Entrainment in a Daylight-Artificial Light Integrated Scheme. IEEE Access, 2022, 10, 38174-38188.	2.6	6
20	LED lighting reliability from a failure perspective. , 2012, , .		5
21	Digitally Addressable Wireless Interface for Lighting Control System. , 2013, , .		4
22	Design and simulation of solar and wind energy conversion system in isolated mode of operation. , 2015, , .		4
23	Control and evaluation of room interior lighting using digital camera as the sensor. International Journal of Engineering and Technology(UAE), 2018, 7, 99.	0.2	4
24	Real-time data based thermal comfort prediction leading to temperature setpoint control. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 12049-12060.	3.3	4
25	Review of methods for reliability assessment of LED luminaires using optical and thermal measurements. , 2013, , .		3
26	A review of existing methods for study and analysis of thermal design of LED lighting products. , 2013, , .		3
27	Measurement of junction-to-ambient thermal resistance of a LED lighting luminaire. , 2014, , .		3
28	Development of Bayesian Neural Network Model to Predict the Correlated Color Temperature Using Digital Camera and Macbeth ColorChecker Chart. IEEE Access, 2022, 10, 55499-55507.	2.6	3
29	A Simulink model for an aircraft landing system using energy functions. , 2012, , .		2
30	Design and simulation of grid connected hybrid solar-WECS using SIMULINK/MATLAB. , 2014, , .		2
31	Model based control using C2000 microcontroller. , 2014, , .		2
32	Summary of LED down light testing and its implications. , 2016, , .		2
33	Opinion: Daylightâ€“artificial light integration: Research needs. Lighting Research and Technology, 2020, 52, 4-4.	1.2	2
34	Metabolic Variations in Grass C. dactylon and Selection of Optimal LEDs for the Horticulture Luminaire Using LM Algorithm. IEEE Access, 2021, 9, 139457-139465.	2.6	2
35	Design and simulation of control strategies for batteries used in distribution generation systems. , 2016, , .		1
36	Office Lighting Simulation: Energy implications with scheduled occupancy and daylight harvesting. , 2018, , .		1

#	Article	IF	Citations
37	Lighting Energy Implication: A Simulation Study. , 2018, , .		1
38	High Dynamic Imaging for Photometry and Graphic Arts Evaluation. Journal of the Institution of Engineers (India): Series B, 2018, 99, 383-389.	1.3	1
39	Sustainable building design based on glazing and location: A statistical modelling approach. , 2021, , .		1
40	Active Load Simulation Study of Solar and Wind Hybrid Energy System in Stand-alone Mode of Operation. Recent Advances in Electrical and Electronic Engineering, 2018, 11, 194-202.	0.2	1
41	A Framework for the Selection of Tunable LED Luminaire for Human Centric Lighting Design. , 2020, , .		1
42	A Tunable LED Daylight Luminaire for Textile and Printing Light Booth Application with Optimum LEDs. Ain Shams Engineering Journal, 2022, 13, 101711.	3.5	1
43	Wireless Sensor Actuator Network Architecture and Energy Model of a Camera Based Lighting Management System. IEEE Access, 2022, 10, 22700-22711.	2.6	1
44	Model based controlled hybid energy system. , 2013, , .		0
45	Proposed thermal metric for assessment of cooling systems of LED lighting products. , 2014, , .		0
46	Auto-calibration of emission spectra of light sources captured using camera spectrometer. , 2015, , .		0
47	Computational method for optical spectrum analysis using RGB to Hue transformation. , 2016, , .		0
48	Study of color space transformation techniques for converting spectrographs to spectrograms. , 2016, , .		0
49	Data Analytic Models for Lighting Energy Sensitivity Analysis of Building. , 2018, , .		0
50	OPTIMIZATION AND LIFE CYCLE COST ANALYSIS OF RENEWABLE ENERGY SUPPLY OPTIONS FOR ACADEMIC BUILDINGS- A CASE STUDY. International Journal of Energy Economics and Policy, 2019, 9, 224-236.	0.5	0
51	Adaptive Neuro-fuzzy Control of Solar-Powered Building Integrated with Daylight-Artificial Light System. , 2020, , .		0
52	An Embedded System for Color Point Control of LEDs Against Ambient Temperature Variations. Advances in Intelligent Systems and Computing, 2018, , 533-542.	0.5	0
53	Indoor PV-Based Power Management System for Connected Lighting and Shading Control. Advances in Sustainability Science and Technology, 2022, , 759-771.	0.4	0
54	Analysis of the Thermal Characteristics and Energy performance of Electro Chromic Glazing window. International Journal of Mechanics, 2022, 16, 46-54.	0.2	0