Laurent Canale

List of Publications by Year
in descending order

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73	521	1040056	839539
papers	citations	9	18
		h-index	g-index

77	77	77	526
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Prediction of OLED Luminance Using Impedance Measurements. IEEE Transactions on Industry Applications, 2022, 58, 996-1004.	4.9	2
2	Energy efficiency of a LED lighting system using a Peltier module thermal converter. Case Studies in Thermal Engineering, 2022, 34, 101989.	5.7	6
3	Design and Modeling of a Flexible Conductive Fabric Antenna Integrated in an OLED Light Source for WIMAX Wireless Communication Systems. Optics and Photonics Journal, 2021, 11, 413-429.	0.4	1
4	Harmonic Impacts on the Electrical Distribution Network by the Broad Usage of LED Lamps. , 2021, , .		3
5	An Approach for Designing Mixed Light-Emitting Diodes to Match Greenhouse Plant Absorption Spectra. Sustainability, 2021, 13, 4329.	3.2	3
6	Optimal substrate design for thermal management of high power multi-chip LEDs module. Optik, 2021, 242, 167179.	2.9	10
7	Design and Analysis of Transparent and Non-Transparent Antennas Integrated in OLEDs at 3.5 GHz Band for 5G Applications. , 2021, , .		2
8	Evaluation of Blue-Blocking Lenses Effects on the Melatonin Production level.. , 2021, , .		0
9	Determination of Power Factor and Harmonic Distortion of AC/DC LED Driver. , 2021, , .		9
10	A novel optical design by ultraviolet visible-near infrared absorption spectroscopy with dual elliptical reflectors for the detection of Mycobacterium ulcerans. , 2021, , .		2
11	Common Mode and Differential Mode noise of AC/DC LED Driver. , 2021, , .		9
12	Smart Lighting Systems for Smart Cities. Future City, 2021, , 75-92.	0.5	4
13	Finite element sensitivity and reliability analysis with application in thermal management of LED packages. , 2021, , .		1
14	Luminance Imaging Measurements for Facades with Asymmetrical Light Reflection. , 2021, , .		1
15	Low Cost House Automation System based on Arduino Microcontroller. , 2021, , .		2
16	Modeling OLED luminance decay under thermal, constant and cyclic electrical stress. , 2021, , .		1
17	Thermal management of LEDs packages within inclined enclosures for lighting applications. , 2021, , .		5
18	An Optically Transparent Mesh-Antenna Integrated in OLEDs for WLAN Applications. , 2021, , .		1

#	Article	IF	Citations
19	Optical Characterization of Buruli Ulcer by Diffuse Reflectance using LEDs illumination. , 2021, , .		0
20	Measurement of Reflectance Properties of Asphalt using Photographical Methods. , 2020, , .		6
21	Tunable multiple-LEDs combination spectrum for plants based on McCree PAR spectrum. , 2020, , .		3
22	Flexible Textile Antenna Design with Transparent Conductive Fabric Integrated in OLED for WiMAX Wireless Communication Systems. , 2020, , .		6
23	An Optically Transparent Antenna Integrated in OLED Light Source for 5G Applications. , 2020, , .		9
24	Characterization and Optical Early Diagnosis by Diffuse Reflectance Spectroscopy. , 2020, , .		5
25	Low Cost Automation System for Smart Houses based on PIC Microcontrollers. , 2020, , .		5
26	Optimization of RGB LEDs to Better Control the Melatonin Suppression for Humans. , 2020, , .		0
27	Arbitrary light waveform generator for the validation of the light flicker measurement devices. , 2020, , .		1
28	Dual-band CPW Transparent Bandpass Filter for Wireless Communication. , 2020, , .		1
29	Calibration of a Brightness Matching Experiment setup in Mesopic and Scotopic Conditions. , 2020, , .		1
30	Revision of Threshold Luminance Levels in Tunnels Aiming to Minimize Energy Consumption at No Cost: Methodology and Case Studies. Energies, 2020, 13, 1707.	3.1	28
31	Design and Survey of Lighting and Colour Ambience for a Suitable Elderly Environment. Light & Engineering, 2020, , 79-89.	0.3	3
32	Design of Transparent Antenna for 5G Wireless Applications. Proceedings (mdpi), 2020, 63, .	0.2	3
33	Dual-Band 28/38 GHz Inverted-F Array Antenna for Fifth Generation Mobile Applications. Proceedings (mdpi), 2020, 63, .	0.2	4
34	11. SETTING AN INNOVATIVE MASTER DEGREE ON ENERGY SUPPLY FOCUSING ON ISOLATED AREAS â€“ THE MESfIA ERASMUS+ PROJECT. , 2020, , 120-128.		0
35	Colorimetric Characterizations of Large Area White OLEDs Under Thermal And Electrical Stress Using TM-30-18 Method. , 2020, , .		1
36	OLED luminance prediction using impedance measurements. , 2020, , .		3

#	Article	IF	Citations
37	Photometric and Electrical Characterizations of Large-Area OLEDs Aged Under Thermal and Electrical Stresses. IEEE Transactions on Industry Applications, 2019, 55, 991-995.	4.9	11
38	The impact of energy efficiency indicators on the office lighting planning and its implications for office lighting market. , 2019, , .		10
39	Aging Model for Life Prediction and Simulation of Organic Light-Emitting Diodes (OLEDs). , 2019, , .		2
40	Minimizing lighting consumption in existing tunnels using a no-cost fine-tuning method for switching lighting stages according revised luminance levels. , 2019, , .		19
41	Modeling the Luminance Degradation of OLEDs Using Design of Experiments. IEEE Transactions on Industry Applications, 2019, 55, 6548-6558.	4.9	12
42	Aging study of remote luminophore at ambient temperature. , 2019, , .		3
43	Targeting the Light Pollution: A Study Case. , 2019, , .		4
44	Optimizing the luminous environment using DiaLUX software at â€œConstantin and Elenaâ€•Elderly House â€“ Study Case. Procedia Manufacturing, 2019, 32, 466-473.	1.9	13
45	Luminance Contrast Assessment for Elderly Visual Comfort Using Imaging Measurements. Procedia Manufacturing, 2019, 32, 474-479.	1.9	8
46	Study on the Influence of Various Factors on Measurement of CCT for a Controlled Lighting System. , 2019, , .		2
47	Life Cycle Assessment of Lighting Systems and Light Loss Factor: A Case Study for Indoor Workplaces in France. Electronics (Switzerland), 2019, 8, 1278.	3.1	13
48	Parametric degradation model of OLED using Design of Experiments (DoE). , 2019, , .		5
49	Degradation of the luminance and impedance evolution analysis of an OLED under thermal and electrical stress. , 2019, , .		6
50	Optimal spectrum modeling calculation with light emitting diodes set based on relative quantum efficiency. Acta Horticulturae, 2019, , 815-822.	0.2	4
51	Conceptualization of color temperature scenario applied to quality lighting design.. Color and Imaging Conference, 2019, 2019, 99-103.	0.2	0
52	Impedance Spectroscopy and Evolution of the Equivalent Electrical Circuit Model for Large Area Organic Light Emitting Diodes Aged Under Stress. , 2018, , .		4
53	Parametric lifespan models for OLEDs using Design of Experiments (DoE). , 2018, , .		5
54	Reduction in Light Pollution by Measurements According to EN 13201 Standard. , 2018, , .		10

#	Article	IF	Citations
55	Effect of thermal and electrical stress on photometric, radiometric, and colorimetric characteristics of large area white organic light emitting diodes. , 2018, , .		1
56	Study of the LEDs Spectrums Influence on the Spirulina Platensis Growth in Batch Culture. , 2018, , .		4
57	Measuring the Driver Exposure to the Light Pollution Developing Experimental Setup. , 2018, , .		4
58	Light and Color: a Factor of Safety in the Everyday Life of the Elderly. , 2018, , .		0
59	Microwave Characterization of Silicon Carbide Sample at the ISM Band from 25Â°C to 165Â°C. Journal of Electrical Engineering & Electronic Technology, 2018, 07, .	0.1	0
60	Photometric and electrical characterizations of large area OLEDs aged under thermal and electrical stresses. , 2017, , .		3
61	Study of High-Brightness LED Samples Aged Under Stress Temperature Conditions: Electrical Characterizations and Signature Evolution Analysis. IEEE Transactions on Industry Applications, 2016, 52, 502-510.	4.9	9
62	Aging study of white high power LED under thermal and electrical stresses â€“ New experimental setup prototype, photometric and electrical characterizations. , 2016, , .		0
63	Power quality of energy saving lamps under wide voltage variations. , 2014, , .		16
64	LED lighting — Reduce the power consumption and increase the users comfort. , 2014, , .		9
65	OLED ageing signature characterization under combined thermal and electrical stresses. , 2014, , .		8
66	Study of high brightness LED samples aged under stress temperature conditions: Electrical characterizations and signature evolution analysis. , 2013, , .		1
67	Partitioning evapotranspiration fluxes into soil evaporation and plant transpiration using water stable isotopes under controlled conditions. Hydrological Processes, 2010, 24, 3177-3194.	2.6	106
68	Isotopic composition of bare soil evaporated water vapor. Part I: RUBIC IV experimental setup and results. Journal of Hydrology, 2009, 369, 1-16.	5.4	57
69	Optical characterization of pulsed-laser-deposited LiNbO 3 waveguides. , 2004, , .		0
70	Defect structure of pulsed laser deposited LiNbO3/Al2O3 layers determined by X-ray diffraction reciprocal space mapping. Thin Solid Films, 2003, 429, 55-62.	1.8	13
71	Structural and optical properties of LiNbO3 thin films grown by pulsed laser deposition. European Physical Journal Special Topics, 2001, 11, Pr11-187-Pr11-191.	0.2	1
72	Pulsed laser deposition of lithium niobate thin films. , 2000, 4087, 1207.		1

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73	Pulsed laser deposition of strontium ferrite thin films. Applied Surface Science, 2000, 154-155, 444-448.	6.1	7