

Ovidio Rabaza

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.

27
papers

475
citations

11
h-index

21
g-index

33
ext. papers

581
ext. citations

5.2
avg, IF

3.26
L-index

#	Paper	IF	Citations
27	Sensors for Continuous Measuring of Sucrose Solutions Using Surface Plasmon Resonance. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1350	2.6	1
26	Surface Plasmon Resonance Sensor of CO2 for Indoors and Outdoors. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6869	2.6	1
25	Continuous Measurement With Three-in-One Plasmon Sensor in Sucrose Solutions. <i>IEEE Sensors Journal</i> , 2021 , 21, 6280-6286	4	2
24	Application of a Differential Evolution Algorithm in the Design of Public Lighting Installations Maximizing Energy Efficiency. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2020 , 16, 217-227	3.5	7
23	A giant exoplanet orbiting a very-low-mass star challenges planet formation models. <i>Science</i> , 2019 , 365, 1441-1445	33.3	43
22	Experimental Study of the Levels of Street Lighting Using Aerial Imagery and Energy Efficiency Calculation. <i>Sustainability</i> , 2018 , 10, 4365	3.6	8
21	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018 , 612, A49	5.1	118
20	New obstruction lighting system for aviation safety. <i>Engineering Structures</i> , 2017 , 132, 531-539	4.7	1
19	Economic and Environmental Study of Wineries Powered by Grid-Connected Photovoltaic Systems in Spain. <i>Energies</i> , 2017 , 10, 222	3.1	13
18	New rules of thumb maximizing energy efficiency in street lighting with discharge lamps: The general equations for lighting design. <i>Engineering Optimization</i> , 2016 , 48, 1080-1089	2	8
17	A Decade of GRB Follow-Up by BOOTES in Spain (2003-2013). <i>Advances in Astronomy</i> , 2016 , 2016, 1-12	0.9	3
16	A Continuous Liquid-Level Sensor for Fuel Tanks Based on Surface Plasmon Resonance. <i>Sensors</i> , 2016 , 16,	3.8	23
15	A simple and accurate model for the design of public lighting with energy efficiency functions based on regression analysis. <i>Energy</i> , 2016 , 107, 831-842	7.9	24
14	Aggregated models of permanent magnet synchronous generators wind farms. <i>Renewable Energy</i> , 2015 , 83, 1287-1298	8.1	22
13	Techno-Economic Performance Evaluation for Olive Mills Powered by Grid-Connected Photovoltaic Systems. <i>Energies</i> , 2015 , 8, 11939-11954	3.1	5
12	Safer and innovative traffic lights with minilenses and optical fibers. <i>Engineering Structures</i> , 2015 , 96, 1-6	4.7	2
11	Multi-objective evolutionary algorithms for the design of grid-connected solar tracking systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 61, 371-379	5.1	8

10	Feasibility Study of a Simple and Low-Cost Device for Monitoring Trihalomethanes Presence in Water Supply Systems Based on Statistical Models. <i>Water (Switzerland)</i> , 2014 , 6, 3590-3602	3	3
9	A new method of measuring and monitoring light pollution in the night sky. <i>Lighting Research and Technology</i> , 2014 , 46, 5-19	2	7
8	A new methodology for calculating roadway lighting design based on a multi-objective evolutionary algorithm. <i>Expert Systems With Applications</i> , 2013 , 40, 2156-2164	7.8	33
7	A simple method for designing efficient public lighting, based on new parameter relationships. <i>Expert Systems With Applications</i> , 2013 , 40, 7305-7315	7.8	34
6	Compact low resolution spectrograph, an imaging and long slit spectrograph for robotic telescopes. <i>Review of Scientific Instruments</i> , 2013 , 84, 114501	1.7	3
5	Design of new traffic lights: Traffic safety and maintenance ease. <i>Engineering Structures</i> , 2013 , 57, 388-397	4	4
4	CARMENES. I: instrument and survey overview 2012 ,		39
3	Comprehensive transient-state study for CARMENES NIR high-thermal stability 2010 ,		2
2	CARMENES: Calar Alto high-resolution search for M dwarfs with exo-earths with a near-infrared Echelle spectrograph 2010 ,		38
1	All-sky brightness monitoring of light pollution with astronomical methods. <i>Journal of Environmental Management</i> , 2010 , 91, 1278-87	7.9	22