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List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

669
citations

759233
12
h-index

552781
26
g-index

33
all docs

33
docs citations

33
times ranked

1149
citing authors

#	ARTICLE	IF	CITATIONS
1	The CARMENES search for exoplanets around M dwarfs. Astronomy and Astrophysics, 2018, 612, A49.	5.1	173
2	A giant exoplanet orbiting a very-low-mass star challenges planet formation models. Science, 2019, 365, 1441-1445.	12.6	78
3	CARMENES: Calar Alto high-resolution search for M dwarfs with exo-earths with a near-infrared Echelle spectrograph. Proceedings of SPIE, 2010, , .	0.8	47
4	CARMENES. I: instrument and survey overview. Proceedings of SPIE, 2012, , .	0.8	43
5	A new methodology for calculating roadway lighting design based on a multi-objective evolutionary algorithm. Expert Systems With Applications, 2013, 40, 2156-2164.	7.6	41
6	A simple method for designing efficient public lighting, based on new parameter relationships. Expert Systems With Applications, 2013, 40, 7305-7315.	7.6	41
7	Aggregated models of permanent magnet synchronous generators wind farms. Renewable Energy, 2015, 83, 1287-1298.	8.9	38
8	A simple and accurate model for the design of public lighting with energy efficiency functions based on regression analysis. Energy, 2016, 107, 831-842.	8.8	30
9	All-Sky brightness monitoring of light pollution with astronomical methods. Journal of Environmental Management, 2010, 91, 1278-1287.	7.8	29
10	A Continuous Liquid-Level Sensor for Fuel Tanks Based on Surface Plasmon Resonance. Sensors, 2016, 16, 724.	3.8	27
11	Economic and Environmental Study of Wineries Powered by Grid-Connected Photovoltaic Systems in Spain. Energies, 2017, 10, 222.	3.1	15
12	New rules of thumb maximizing energy efficiency in street lighting with discharge lamps: The general equations for lighting design. Engineering Optimization, 2016, 48, 1080-1089.	2.6	13
13	Experimental Study of the Levels of Street Lighting Using Aerial Imagery and Energy Efficiency Calculation. Sustainability, 2018, 10, 4365.	3.2	13
14	A new method of measuring and monitoring light pollution in the night sky. Lighting Research and Technology, 2014, 46, 5-19.	2.7	10
15	Multi-objective evolutionary algorithms for the design of grid-connected solar tracking systems. International Journal of Electrical Power and Energy Systems, 2014, 61, 371-379.	5.5	9
16	Application of a Differential Evolution Algorithm in the Design of Public Lighting Installations Maximizing Energy Efficiency. LEUKOS - Journal of Illuminating Engineering Society of North America, 2020, 16, 217-227.	2.9	9
17	Surface Plasmon Resonance Sensor of CO2 for Indoors and Outdoors. Applied Sciences (Switzerland), 2021, 11, 6869.	2.5	8
18	Techno-Economic Performance Evaluation for Olive Mills Powered by Grid-Connected Photovoltaic Systems. Energies, 2015, 8, 11939-11954.	3.1	7

#	ARTICLE	IF	CITATIONS
19	A Decade of GRB Follow-Up by BOOTES in Spain (2003â€“2013). <i>Advances in Astronomy</i> , 2016, 2016, 1-12.	1.1	6
20	Compact low resolution spectrograph, an imaging and long slit spectrograph for robotic telescopes. <i>Review of Scientific Instruments</i> , 2013, 84, 114501.	1.3	5
21	Design of new traffic lights: Traffic safety and maintenance ease. <i>Engineering Structures</i> , 2013, 57, 388-392.	5.3	5
22	New obstruction lighting system for aviation safety. <i>Engineering Structures</i> , 2017, 132, 531-539.	5.3	5
23	SIDE: a fiber fed spectrograph for the 10.4 m Gran Telescopio Canarias (GTC). <i>Proceedings of SPIE</i> , 2008, , .	0.8	3
24	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.	2.7	3
25	Continuous Measurement With Three-in-One Plasmon Sensor in Sucrose Solutions. <i>IEEE Sensors Journal</i> , 2021, 21, 6280-6286.	4.7	3
26	Sensors for Continuous Measuring of Sucrose Solutions Using Surface Plasmon Resonance. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1350.	2.5	3
27	Comprehensive transient-state study for CARMENES NIR high-thermal stability. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
28	Safer and innovative traffic lights with minilenses and optical fibers. <i>Engineering Structures</i> , 2015, 96, 1-6.	5.3	2
29	Design of a Surface Plasmon Resonance CO Sensor. <i>Sensors</i> , 2022, 22, 3299.	3.8	1
30	The SIDE dual VIS-NIR fiber fed spectrograph for the 10.4 m Gran Telescopio Canarias. , 2008, , .		0
31	A simple way to build an ANSI-C like compiler from scratch and embed it on the instrument's software. , 2010, , .		0
32	OCTOCAM: a fast multichannel imager and spectrograph for the 10.4m GTC. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
33	Towards the generation of distributed electric power: self-consumption with net balance. <i>International Journal of Low-Carbon Technologies</i> , 2015, 10, 254-257.	2.6	0