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List of Publications by Year in descending order

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33
papers

669
citations

758635

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552369

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33
all docs

33
docs citations

33
times ranked

1149
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensors for Continuous Measuring of Sucrose Solutions Using Surface Plasmon Resonance. Applied Sciences (Switzerland), 2022, 12, 1350.	1.3	3
2	Design of a Surface Plasmon Resonance CO Sensor. Sensors, 2022, 22, 3299.	2.1	1
3	Continuous Measurement With Three-in-One Plasmon Sensor in Sucrose Solutions. IEEE Sensors Journal, 2021, 21, 6280-6286.	2.4	3
4	Surface Plasmon Resonance Sensor of CO2 for Indoors and Outdoors. Applied Sciences (Switzerland), 2021, 11, 6869.	1.3	8
5	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.	1.5	9
6	A giant exoplanet orbiting a very-low-mass star challenges planet formation models. Science, 2019, 365, 1441-1445.	6.0	78
7	Experimental Study of the Levels of Street Lighting Using Aerial Imagery and Energy Efficiency Calculation. Sustainability, 2018, 10, 4365.	1.6	13
8	The CARMENES search for exoplanets around M dwarfs. Astronomy and Astrophysics, 2018, 612, A49.	2.1	173
9	New obstruction lighting system for aviation safety. Engineering Structures, 2017, 132, 531-539.	2.6	5
10	Economic and Environmental Study of Wineries Powered by Grid-Connected Photovoltaic Systems in Spain. Energies, 2017, 10, 222.	1.6	15
11	A Decade of GRB Follow-Up by BOOTES in Spain (2003â€“2013). Advances in Astronomy, 2016, 2016, 1-12.	0.5	6
12	A Continuous Liquid-Level Sensor for Fuel Tanks Based on Surface Plasmon Resonance. Sensors, 2016, 16, 724.	2.1	27
13	A simple and accurate model for the design of public lighting with energy efficiency functions based on regression analysis. Energy, 2016, 107, 831-842.	4.5	30
14	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.	1.5	13
15	Techno-Economic Performance Evaluation for Olive Mills Powered by Grid-Connected Photovoltaic Systems. Energies, 2015, 8, 11939-11954.	1.6	7
16	Safer and innovative traffic lights with minilenses and optical fibers. Engineering Structures, 2015, 96, 1-6.	2.6	2
17	Aggregated models of permanent magnet synchronous generators wind farms. Renewable Energy, 2015, 83, 1287-1298.	4.3	38
18	Towards the generation of distributed electric power: self-consumption with net balance. International Journal of Low-Carbon Technologies, 2015, 10, 254-257.	1.2	0

#	ARTICLE	IF	CITATIONS
19	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.	1.2	3
20	A new method of measuring and monitoring light pollution in the night sky. <i>Lighting Research and Technology</i> , 2014, 46, 5-19.	1.2	10
21	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.	3.3	9
22	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.	4.4	41
23	A simple method for designing efficient public lighting, based on new parameter relationships. <i>Expert Systems With Applications</i> , 2013, 40, 7305-7315.	4.4	41
24	Compact low resolution spectrograph, an imaging and long slit spectrograph for robotic telescopes. <i>Review of Scientific Instruments</i> , 2013, 84, 114501.	0.6	5
25	Design of new traffic lights: Traffic safety and maintenance ease. <i>Engineering Structures</i> , 2013, 57, 388-392.	2.6	5
26	CARMENES. I: instrument and survey overview. <i>Proceedings of SPIE</i> , 2012, , .	0.8	43
27	Comprehensive transient-state study for CARMENES NIR high-thermal stability. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
28	A simple way to build an ANSI-C like compiler from scratch and embed it on the instrument's software. , 2010, , .		0
29	OCTOCAM: a fast multichannel imager and spectrograph for the 10.4m GTC. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
30	CARMENES: Calar Alto high-resolution search for M dwarfs with exo-earths with a near-infrared Echelle spectrograph. <i>Proceedings of SPIE</i> , 2010, , .	0.8	47
31	All-Sky brightness monitoring of light pollution with astronomical methods. <i>Journal of Environmental Management</i> , 2010, 91, 1278-1287.	3.8	29
32	SIDE: a fiber fed spectrograph for the 10.4 m Gran Telescopio Canarias (GTC). <i>Proceedings of SPIE</i> , 2008, , .	0.8	3
33	The SIDE dual VIS-NIR fiber fed spectrograph for the 10.4 m Gran Telescopio Canarias. , 2008, , .		0