

Antonio Pea Garca

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4096022/antonio-pena-garcia-publications-by-citations.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

852
citations

17
h-index

28
g-index

60
ext. papers

1,014
ext. citations

4.3
avg, IF

5.1
L-index

#	Paper	IF	Citations
52	Impact of public lighting on pedestrians' perception of safety and well-being. <i>Safety Science</i> , 2015 , 78, 142-148	5.8	92
51	Indoor lighting techniques: An overview of evolution and new trends for energy saving. <i>Energy and Buildings</i> , 2017 , 140, 50-60	7	89
50	Study of light-pipes for the use of sunlight in road tunnels: From a scale model to real tunnels. <i>Tunnelling and Underground Space Technology</i> , 2014 , 41, 82-87	5.7	51
49	Use of diffusers materials to improve the homogeneity of sunlight under pergolas installed in road tunnels portals for energy savings. <i>Tunnelling and Underground Space Technology</i> , 2015 , 48, 123-128	5.7	37
48	Study of pergolas for energy savings in road tunnels. Comparison with tension structures. <i>Tunnelling and Underground Space Technology</i> , 2013 , 35, 172-177	5.7	37
47	Decrease of energy demands of lighting installations in road tunnels based in the forestation of portal surroundings with climbing plants. <i>Tunnelling and Underground Space Technology</i> , 2015 , 46, 111-115	5.7	36
46	Use of sunlight in road tunnels: An approach to the improvement of light-pipes' efficacy through heliostats. <i>Tunnelling and Underground Space Technology</i> , 2016 , 60, 135-140	5.7	36
45	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
44	Tension structures: A way towards sustainable lighting in road tunnels. <i>Tunnelling and Underground Space Technology</i> , 2011 , 26, 223-227	5.7	34
43	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
42	Proposal to Foster Sustainability through Circular Economy-Based Engineering: A Profitable Chain from Waste Management to Tunnel Lighting. <i>Sustainability</i> , 2017 , 9, 2229	3.6	25
41	The impact of lighting on drivers well-being and safety in very long underground roads: New challenges for new infrastructures. <i>Tunnelling and Underground Space Technology</i> , 2018 , 80, 38-43	5.7	25
40	The Use of Led Technology and Biomass to Power Public Lighting in a Local Context: The Case of Baeza (Spain). <i>Energies</i> , 2018 , 11, 1783	3.1	24
39	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
38	Influence of lighting colour temperature on indoor thermal perception: A strategy to save energy from the HVAC installations. <i>Energy and Buildings</i> , 2019 , 185, 112-122	7	24
37	Computational optimization of semi-transparent tension structures for the use of solar light in road tunnels. <i>Tunnelling and Underground Space Technology</i> , 2012 , 32, 127-131	5.7	23
36	Optimizing Lighting of Rural Roads and Protected Areas with White Light: A Compromise among Light Pollution, Energy Savings, and Visibility. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , 2020 , 16, 147-156	3.5	22

35	A Scale Model of Tension Structures in Road Tunnels to Optimize the Use of Solar Light for Energy Saving. <i>International Journal of Photoenergy</i> , 2011 , 2011, 1-9	2.1	16
34	The SLT equation: A tool to predict and evaluate energy savings in road tunnels with sunlight systems. <i>Tunnelling and Underground Space Technology</i> , 2017 , 64, 43-50	5.7	13
33	Proposal to forest Alpine tunnels surroundings to enhance energy savings from the lighting installations. Towards a standard procedure. <i>Tunnelling and Underground Space Technology</i> , 2018 , 78, 1-7	5.7	13
32	A proposal for evaluation of energy consumption and sustainability of road tunnels: The sustainability vector. <i>Tunnelling and Underground Space Technology</i> , 2017 , 65, 53-61	5.7	12
31	Strategies for the optimization of binomial energy saving landscape integration in road tunnels 2014 ,		12
30	A Global Perspective for Sustainable Highway Tunnel Lighting Regulations: Greater Road Safety with a Lower Environmental Impact. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	11
29	The Perspective of Total Lighting as a Key Factor to Increase the Sustainability of Strategic Activities. <i>Sustainability</i> , 2020 , 12, 2751	3.6	9
28	Use of Natural Light vs. Cold LED Lighting in Installations for the Recovery of Victims of Gender Violence: Impact on Energy Consumption and Victims' Recovery. <i>Sustainability</i> , 2017 , 9, 562	3.6	9
27	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
26	Determination of lighting and energy demands of road tunnels using vehicle based photographs of the portal gates: An accessible and safe tool for tunnel renewal and maintenance. <i>Tunnelling and Underground Space Technology</i> , 2018 , 78, 8-15	5.7	8
25	Decrease of the Maximum Speed in Highway Tunnels as a Measure to Foster Energy Savings and Sustainability. <i>Energies</i> , 2019 , 12, 685	3.1	7
24	Considerations about the impact of public lighting on pedestrians' perception of safety and well-being. <i>Safety Science</i> , 2016 , 89, 315-318	5.8	7
23	Impact of Adaptive Front-lighting Systems (AFS) on road safety: Evidences and open points. <i>Safety Science</i> , 2012 , 50, 945-949	5.8	7
22	Proposal for Sustainable Dynamic Lighting in Sport Facilities to Decrease Violence among Spectators. <i>Sustainability</i> , 2016 , 8, 1298	3.6	7
21	Comparative Study of Energy Savings for Various Control Strategies in the Tunnel Lighting System. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6372	2.6	6
20	Users' Awareness, Attitudes, and Perceptions of Health Risks Associated with Excessive Lighting in Night Markets: Policy Implications for Sustainable Development. <i>Sustainability</i> , 2019 , 11, 6091	3.6	6
19	Installation of solar panels in the surroundings of tunnel portals: A double-targeted strategy to decrease lighting requirements and consumption. <i>Tunnelling and Underground Space Technology</i> , 2020 , 97, 103251	5.7	5
18	Flat Glass or Crystal Dome Aperture? A Year-Long Comparative Analysis of the Performance of Light Pipes in Real Residential Settings and Climatic Conditions. <i>Sustainability</i> , 2020 , 12, 3858	3.6	4

17	Optical coupling of grouped tunnels to decrease the energy and materials consumption of their lighting installations. <i>Tunnelling and Underground Space Technology</i> , 2019 , 91, 103007	5.7	4
16	Effects of Daytime Running Lamps on Pedestrians Visual Reaction Time: Implications on Vehicles and Human Factors. <i>Procedia Engineering</i> , 2014 , 84, 603-607		4
15	Influence of daytime running lamps on visual reaction time of pedestrians when detecting turn indicators. <i>Journal of Safety Research</i> , 2010 , 41, 385-9	4	4
14	A simple model for fibre optics: planar dielectric waveguides in rotation. <i>European Journal of Physics</i> , 2006 , 27, 657-665	0.8	4
13	FINANCIAL AND ENVIRONMENTAL IMPACT OF COMBINED ACTIONS IN ROAD TUNNELS FOR THE DECREASE OF ENERGY AND RAW MATERIAL CONSUMPTION 2018 ,		3
12	Indoor Lighting Customization Based on Effective Reflectance Coefficients: A Methodology to Optimize Visual Performance and Decrease Consumption in Educative Workplaces. <i>Sustainability</i> , 2021 , 13, 119	3.6	3
11	The Contribution of Peripheral Large Scientific Infrastructures to Sustainable Development from a Global and Territorial Perspective: The Case of IFMIF-DONES. <i>Sustainability</i> , 2021 , 13, 454	3.6	3
10	Application of Translucent Concrete for Lighting Purposes in Civil Infrastructures and its Optical Characterization. <i>Key Engineering Materials</i> , 2015 , 663, 148-156	0.4	2
9	Planar dielectric waveguides in rotation are optical fibers: comparison with the classical model. <i>Optics Express</i> , 2008 , 16, 927-36	3.3	2
8	Sustainable tunnel lighting: One decade of proposals, advances and open points. <i>Tunnelling and Underground Space Technology</i> , 2022 , 119, 104227	5.7	2
7	Considerations on the Effects of Automotive Lighting to Enhance Alert and Avoid Sleepiness in Night Time Drivers Via Melatonin Inhibition. <i>Procedia Engineering</i> , 2014 , 84, 608-612		1
6	The rotating planar dielectric waveguide model in wave optics: results for step-index profile optical fibers. <i>Journal of Optics (United Kingdom)</i> , 2010 , 12, 035103	1.7	1
5	IFMIF-DONES as Paradigm of Institutional Funding in the Way towards Sustainable Energy. <i>Sustainability</i> , 2021 , 13, 13093	3.6	1
4	Influence of Groves on Daylight Conditions and Visual Performance of Users of Urban Civil Infrastructures. <i>Sustainability</i> , 2021 , 13, 12732	3.6	0
3	Personal factors influencing the visual reaction time of pedestrians to detect turn indicators in the presence of Daytime Running Lamps. <i>Ergonomics</i> , 2016 , 59, 1596-1605	2.9	0
2	Extension of the Rotating Planar Waveguide Model to Formation of Interference Patterns in Optical Fibers. <i>Journal of the Optical Society of Korea</i> , 2011 , 15, 128-131		
1	People's Perception of Experimental Installations for Sustainable Energy: The Case of IFMIF-DONES. <i>Sustainability</i> , 2022 , 14, 899	3.6	