

Antonio Alvarez Fernandez-Balbuena

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

242
citations

1163117

8
h-index

1058476

14
g-index

44
all docs

44
docs citations

44
times ranked

191
citing authors

#	ARTICLE	IF	CITATIONS
1	Air shooting competition effects on visual skills depending on the sport level. European Journal of Sport Science, 2022, 22, 336-343.	2.7	7
2	Geometrical limits for UV-C inactivation of pathogens. Optik, 2022, 250, 168269.	2.9	1
3	Optical Technologies Applied to Cultural Heritage. Heritage, 2022, 5, 359-361.	1.9	3
4	Measuring High Dynamic Range Spectral Reflectance of Artworks through an Image Capture Matrix Hyperspectral Camera. Sensors, 2022, 22, 4664.	3.8	3
5	Colorimetry to assess the visual impact of dust deposition on mosaics at sheltered archaeological sites. Heritage Science, 2021, 9, .	2.3	0
6	Determination of the characteristic inactivation fluence for SARS-CoV-2 under UV-C radiation considering light absorption in culture media. Scientific Reports, 2021, 11, 15293.	3.3	5
7	Measuring the absorption coefficient of optical materials with arbitrary shape or distribution within an integrating sphere. Optics Express, 2021, 29, 26287.	3.4	2
8	The Influence of COVID-19 Isolation on Physical Activity Habits and Its Relationship with Convergence Insufficiency. International Journal of Environmental Research and Public Health, 2020, 17, 7406.	2.6	15
9	Evaluation of the influence of varnish on the color of Picasso's Woman in Blue. Spectroscopy Letters, 2020, 53, 140-151.	1.0	1
10	Efficient and sustainable energy lighting solutions for human life: a review. Optical Engineering, 2020, 59, 1.	1.0	0
11	Abdominal obesity linked to a longer cone-mediated dark-adaptation recovery time in healthy eyes. Experimental Eye Research, 2019, 181, 163-170.	2.6	2
12	Developments for lighting applications by using prismatic film. , 2019, , .		0
13	Optimization of daylight utilization in energy saving application on the library in faculty of architecture, design and built environment, Beirut Arab University. AEJ - Alexandria Engineering Journal, 2018, 57, 3921-3930.	6.4	19
14	Real time 3D photometry. , 2017, , .		0
15	Advances on geometric flux optical design method. , 2017, , .		0
16	Advanced daylighting evaluation applied to cultural heritage buildings and museums: Application to the cloister of Santa Maria El Paular. Renewable Energy, 2016, 85, 1362-1370.	8.9	24
17	Real time control device for reading distance and head tilt. Optik, 2016, 127, 11918-11926.	2.9	1
18	Spectral damage model for lighted museum paintings: Oil, acrylic and gouache. Journal of Cultural Heritage, 2016, 22, 931-939.	3.3	29

#	ARTICLE	IF	CITATIONS
19	Accurate Measurements of Spectral Reflectance in Picasso's <i>Guernica</i> Painting. Applied Spectroscopy, 2016, 70, 147-155.	2.2	6
20	Selective Spectral LED Lighting System Applied in Paleolithic Cave Art. LEUKOS - Journal of Illuminating Engineering Society of North America, 2015, 11, 223-230.	2.9	3
21	Application of dynamic merit function to nonimaging systems optimization. Optical Engineering, 2015, 54, 025107.	1.0	4
22	Beacon system based on light-emitting diode sources for runways lighting. Optical Engineering, 2014, 53, 066104.	1.0	2
23	Achromatic Fresnel Lens with Improved Efficiency for PV Systems. International Journal of Photoenergy, 2014, 2014, 1-9.	2.5	0
24	Graphical methods applied to optical design. Optik, 2014, 125, 1474-1477.	2.9	0
25	Horizontal daylighting system for office buildings. Energy and Buildings, 2013, 67, 525-530.	6.7	20
26	Lighting quality for aluminum and prismatic light guides. Proceedings of SPIE, 2011, , .	0.8	7
27	Optics detailed analysis of an improved collimation system for LED light sources. Proceedings of SPIE, 2011, , .	0.8	1
28	Method for the characterization of Fresnel lens flux transfer performance. , 2011, , .		3
29	Field method for dielectric concentrator design. Proceedings of SPIE, 2011, , .	0.8	2
30	New concentrator multifocal Fresnel lens for improved uniformity: design and characterization. , 2009, , .		8
31	Field method for concentrator design. , 2009, , .		0
32	Ideal 3D asymmetric concentrator. Solar Energy, 2009, 83, 113-117.	6.1	20
33	Hyperparabolic concentrators. Applied Optics, 2009, 48, 712.	2.1	17
34	Skylight: a hollow prismatic CPC. , 2009, , .		3
35	ADASY (Active Daylighting System). Proceedings of SPIE, 2009, , .	0.8	1
36	High efficiency 90° elbow for light guides. Proceedings of SPIE, 2008, , .	0.8	2

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37	A new method for designing, improving, and measuring hollow light guides. Proceedings of SPIE, 2008, , .	0.8	1
38	Louvers design for LED displays for sunny days. Displays, 2007, 28, 167-173.	3.7	5
39	Elliptical concentrators. Applied Optics, 2006, 45, 7622.	2.1	19
40	Improved spatial integrator with axicon-dioptic elements. Optical Engineering, 2006, 45, 073002.	1.0	0
41	Thermal influences on optical properties of light-emitting diodes: a semiempirical model. Applied Optics, 2001, 40, 533.	2.1	5
42	Reflectance Measurements on Cultural Heritage. , 0, , .		1