

# Manuel Arsenio BarbÃ³n Ãlvarez

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

364  
citations

687363

13  
h-index

794594

19  
g-index

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20  
docs citations

20  
times ranked

164  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-uniform illumination in low concentration photovoltaic systems based on small-scale linear Fresnel reflectors. Energy, 2022, 239, 122217.	8.8	6
2	Analysis of the tilt and azimuth angles of photovoltaic systems in non-ideal positions for urban applications. Applied Energy, 2022, 305, 117802.	10.1	31
3	A methodology for an optimal design of ground-mounted photovoltaic power plants. Applied Energy, 2022, 314, 118881.	10.1	16
4	A general algorithm for the optimization of photovoltaic modules layout on irregular rooftop shapes. Journal of Cleaner Production, 2022, 365, 132774.	9.3	13
5	Design and construction of a solar tracking system for small-scale linear Fresnel reflector with three movements. Applied Energy, 2021, 285, 116477.	10.1	27
6	Theoretical Deduction of the Optimum Tilt Angles for Small-Scale Linear Fresnel Reflectors. Energies, 2021, 14, 2883.	3.1	0
7	A comparative study between racking systems for photovoltaic power systems. Renewable Energy, 2021, 180, 424-437.	8.9	14
8	A cost-energy based methodology for small-scale linear Fresnel reflectors on flat roofs of urban buildings. Renewable Energy, 2020, 146, 944-959.	8.9	20
9	Wind effects on heat loss from a receiver with longitudinal tilt angle of small-scale linear Fresnel reflectors for urban applications. Renewable Energy, 2020, 162, 2166-2181.	8.9	5
10	Influence of solar tracking error on the performance of a small-scale linear Fresnel reflector. Renewable Energy, 2020, 162, 43-54.	8.9	19
11	Predicting beam and diffuse horizontal irradiance using Fourier expansions. Renewable Energy, 2020, 154, 46-57.	8.9	23
12	A study of the effect of the longitudinal movement on the performance of small scale linear Fresnel reflectors. Renewable Energy, 2019, 138, 128-138.	8.9	13
13	Investigating the influence of longitudinal tilt angles on the performance of small scale linear Fresnel reflectors for urban applications. Renewable Energy, 2019, 143, 1581-1593.	8.9	12
14	New daylight fluctuation control in an optical fiber-based daylighting system. Building and Environment, 2019, 153, 35-45.	6.9	13
15	Cost estimation relationships of a small scale linear Fresnel reflector. Renewable Energy, 2019, 134, 1273-1284.	8.9	18
16	Optimization of the distribution of small scale linear Fresnel reflectors on roofs of urban buildings. Applied Mathematical Modelling, 2018, 59, 233-250.	4.2	12
17	Development of a fiber daylighting system based on a small scale linear Fresnel reflector: Theoretical elements. Applied Energy, 2018, 212, 733-745.	10.1	33
18	Parametric study of the small scale linear Fresnel reflector. Renewable Energy, 2018, 116, 64-74.	8.9	30

#	ARTICLE	IF	CITATIONS
19	Theoretical elements for the design of a small scale Linear Fresnel Reflector: Frontal and lateral views. Solar Energy, 2016, 132, 188-202.	6.1	32
20	Optimization of the length and position of the absorber tube in small-scale Linear Fresnel Concentrators. Renewable Energy, 2016, 99, 986-995.	8.9	27