

# Quetzalcoatl Hernandez-Escobedo

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

897  
citations

566801

15  
h-index

476904

29  
g-index

43  
all docs

43  
docs citations

43  
times ranked

997  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Learning for Plant Stress Modeling: A Perspective towards Hormesis Management. <i>Plants</i> , 2022, 11, 970.	1.6	24
2	Harnessing Offshore Wind Energy along the Mexican Coastline in the Gulf of Mexico—An Exploratory Study including Sustainability Criteria. <i>Sustainability</i> , 2022, 14, 5877.	1.6	3
3	Experimental studies on mass transfer during convective drying of spent coffee grounds generated in the soluble coffee industry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 97-107.	2.0	6
4	Theoretical and Experimental Analysis of Aerodynamic Noise in Small Wind Turbines. <i>Energies</i> , 2021, 14, 727.	1.6	6
5	SHP Assessment for a Run-of-River (RoR) Scheme Using a Rectangular Mesh Sweeping Approach (MSA) Based on GIS. <i>Energies</i> , 2021, 14, 3095.	1.6	8
6	Vibration Measurement Using Laser Triangulation for Applications in Wind Turbine Blades. <i>Symmetry</i> , 2021, 13, 1017.	1.1	6
7	The Effect of a Flexible Blade for Load Alleviation in Wind Turbines. <i>Energies</i> , 2021, 14, 4988.	1.6	5
8	Nonlinear Controller for the Set-Point Regulation of a Buck Converter System. <i>Energies</i> , 2021, 14, 5760.	1.6	3
9	New methodology based on simplifications of the short-term models of CSP for long-term tuning: a case study in Spain. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101478.	2.8	0
10	Dimensioning Optimization of the Permanent Magnet Synchronous Generator for Direct Drive Wind Turbines. <i>Energies</i> , 2021, 14, 7106.	1.6	4
11	The Sustainable City: Advances in Renewable Energy and Energy Saving Systems. <i>Energies</i> , 2021, 14, 8382.	1.6	6
12	Optimal Location and Sizing of Distributed Generators in DC Networks Using a Hybrid Method Based on Parallel PBIL and PSO. <i>Electronics (Switzerland)</i> , 2020, 9, 1808.	1.8	12
13	Zapote Seed ( <i>Pouteria mammosa</i> L.) Valorization for Thermal Energy Generation in Tropical Climates. <i>Sustainability</i> , 2020, 12, 4284.	1.6	4
14	Optimal Location and Sizing of PV Sources in DC Networks for Minimizing Greenhouse Emissions in Diesel Generators. <i>Symmetry</i> , 2020, 12, 322.	1.1	31
15	Seasonal Wind Energy Characterization in the Gulf of Mexico. <i>Energies</i> , 2020, 13, 93.	1.6	16
16	Determination of the drying rate and effective diffusivity coefficients during convective drying of two-phase olive mill waste at rotary dryers drying conditions for their application. <i>Renewable Energy</i> , 2020, 153, 900-910.	4.3	26
17	Energy Management in PV Based Microgrids Designed for the Universidad Nacional de Colombia. <i>Sustainability</i> , 2020, 12, 1219.	1.6	18
18	Optimal Placement and Sizing of Wind Generators in AC Grids Considering Reactive Power Capability and Wind Speed Curves. <i>Sustainability</i> , 2020, 12, 2983.	1.6	24

#	ARTICLE	IF	CITATIONS
19	Sustainable Solar Energy in Mexican Universities. Case Study: The National School of Higher Studies Juriquilla (UNAM). Sustainability, 2020, 12, 3123.	1.6	8
20	Sustainable Thermal Energy Generation at Universities by Using Loquat Seeds as Biofuel. Sustainability, 2020, 12, 2093.	1.6	8
21	Wind Power Cogeneration to Reduce Peak Electricity Demand in Mexican States Along the Gulf of Mexico. Energies, 2019, 12, 2330.	1.6	2
22	Detection of misalignment in motor via transient current signature analysis. , 2019, , .		7
23	Wind energy research in Mexico. Renewable Energy, 2018, 123, 719-729.	4.3	36
24	SMALL-SIZED parabolic-trough solar collectors: Development of a test loop and evaluation of testing conditions. Energy, 2018, 152, 401-415.	4.5	17
25	Peanut Shell for Energy: Properties and Its Potential to Respect the Environment. Sustainability, 2018, 10, 3254.	1.6	90
26	Stand-Alone Photovoltaic System Assessment in Warmer Urban Areas in Mexico. Energies, 2018, 11, 284.	1.6	12
27	Renewable Energy in Urban Areas: Worldwide Research Trends. Energies, 2018, 11, 577.	1.6	45
28	Towards forest sustainability in Mediterranean countries using biomass as fuel for heating. Journal of Cleaner Production, 2017, 156, 624-634.	4.6	40
29	Solar resource assessment for rural electrification and industrial development in the Yucatan Peninsula (Mexico). Renewable and Sustainable Energy Reviews, 2017, 76, 1550-1561.	8.2	12
30	Seguridad en el suministro del agua y energía limpia: una propuesta de proyecto para los regantes del Río Torrox. Tecnología Y Ciencias Del Agua, 2017, 08, 151-158.	0.1	0
31	Solar Resource for Urban Communities in the Baja California Peninsula, Mexico. Energies, 2016, 9, 911.	1.6	6
32	Wind Energy Assessment for Small Urban Communities in the Baja California Peninsula, Mexico. Energies, 2016, 9, 805.	1.6	11
33	Extreme rainfall relationship in Mexico. Journal of Maps, 2015, 11, 405-414.	1.0	4
34	Solar energy resource assessment in Mexican states along the Gulf of Mexico. Renewable and Sustainable Energy Reviews, 2015, 43, 216-238.	8.2	38
35	A parabolic-trough collector for cleaner industrial process heat. Journal of Cleaner Production, 2015, 89, 272-285.	4.6	95
36	Wind turbine selection for wind farm layout using multi-objective evolutionary algorithms. Expert Systems With Applications, 2014, 41, 6585-6595.	4.4	77

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37	Wind energy resource in Northern Mexico. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 32, 890-914.	8.2	69
38	Is the wind a periodical phenomenon? The case of Mexico. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 721-728.	8.2	38
39	The wind power of Mexico. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 2830-2840.	8.2	78
40	CARACTERIZACIÓN DE LA INTENSIDAD DEL VIENTO EN LA PROVINCIA DE ALMERÍA. <i>Dyna (Spain)</i> , 2009, 84, 681-686.	0.1	1
41	Physical therapy: A worldwide overview. <i>Ecorfan</i> , 0, , 28-35.	0.0	1
42	Aerodynamic analysis of an unmanned aerial vehicle with infrared camera for monitoring oil leakage in pipeline networks. <i>Acta Universitaria</i> , 0, 30, 1-15.	0.2	0