Quetzalcoatl Hernandez-Escobedo

List of Publications by Year
in descending order

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	A parabolic-trough collector for cleaner industrial process heat. Journal of Cleaner Production, 2015, 89, 272-285.	4.6	95
2	Peanut Shell for Energy: Properties and Its Potential to Respect the Environment. Sustainability, 2018, 10, 3254.	1.6	90
3	The wind power of Mexico. Renewable and Sustainable Energy Reviews, 2010, 14, 2830-2840.	8.2	78
4	Wind turbine selection for wind farm layout using multi-objective evolutionary algorithms. Expert Systems With Applications, 2014, 41, 6585-6595.	4.4	77
5	Wind energy resource in Northern Mexico. Renewable and Sustainable Energy Reviews, 2014, 32, 890-914.	8.2	69
6	Renewable Energy in Urban Areas: Worldwide Research Trends. Energies, 2018, 11, 577.	1.6	45
7	Towards forest sustainability in Mediterranean countries using biomass as fuel for heating. Journal of Cleaner Production, 2017, 156, 624-634.	4.6	40
8	Is the wind a periodical phenomenon? The case of Mexico. Renewable and Sustainable Energy Reviews, 2011, 15, 721-728.	8.2	38
9	Solar energy resource assessment in Mexican states along the Gulf of Mexico. Renewable and Sustainable Energy Reviews, 2015, 43, 216-238.	8.2	38
10	Wind energy research in Mexico. Renewable Energy, 2018, 123, 719-729.	4.3	36
11	Optimal Location and Sizing of PV Sources in DC Networks for Minimizing Greenhouse Emissions in Diesel Generators. Symmetry, 2020, 12, 322.	1.1	31
12	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. Renewable Energy, 2020, 153, 900-910.	4.3	26
13	Optimal Placement and Sizing of Wind Generators in AC Grids Considering Reactive Power Capability and Wind Speed Curves. Sustainability, 2020, 12, 2983.	1.6	24
14	Machine Learning for Plant Stress Modeling: A Perspective towards Hormesis Management. Plants, 2022, 11, 970.	1.6	24
15	Energy Management in PV Based Microgrids Designed for the Universidad Nacional de Colombia. Sustainability, 2020, 12, 1219.	1.6	18
16	SMALL-SIZED parabolic-trough solar collectors: Development of a test loop and evaluation of testing conditions. Energy, 2018, 152, 401-415.	4.5	17
17	Seasonal Wind Energy Characterization in the Gulf of Mexico. Energies, 2020, 13, 93.	1.6	16
18	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

#	Article	IF	Citations
19	Stand-Alone Photovoltaic System Assessment in Warmer Urban Areas in Mexico. Energies, 2018, 11, 284.	1.6	12
20	Optimal Location and Sizing of Distributed Generators in DC Networks Using a Hybrid Method Based on Parallel PBIL and PSO. Electronics (Switzerland), 2020, 9, 1808.	1.8	12
21	Wind Energy Assessment for Small Urban Communities in the Baja California Peninsula, Mexico. Energies, 2016, 9, 805.	1.6	11
22	Sustainable Solar Energy in Mexican Universities. Case Study: The National School of Higher Studies Juriquilla (UNAM). Sustainability, 2020, 12, 3123.	1.6	8
23	Sustainable Thermal Energy Generation at Universities by Using Loquat Seeds as Biofuel. Sustainability, 2020, 12, 2093.	1.6	8
24	SHP Assessment for a Run-of-River (RoR) Scheme Using a Rectangular Mesh Sweeping Approach (MSA) Based on GIS. Energies, 2021, 14, 3095.	1.6	8
25	Detection of misalignment in motor via transient current signature analysis. , 2019, , .		7
26	Solar Resource for Urban Communities in the Baja California Peninsula, Mexico. Energies, 2016, 9, 911.	1.6	6
27	Experimental studies on mass transfer during convective drying of spent coffee grounds generated in the soluble coffee industry. Journal of Thermal Analysis and Calorimetry, 2021, 145, 97-107.	2.0	6
28	Theoretical and Experimental Analysis of Aerodynamic Noise in Small Wind Turbines. Energies, 2021, 14, 727.	1.6	6
29	Vibration Measurement Using Laser Triangulation for Applications in Wind Turbine Blades. Symmetry, 2021, 13, 1017.	1.1	6
30	The Sustainable City: Advances in Renewable Energy and Energy Saving Systems. Energies, 2021, 14, 8382.	1.6	6
31	The Effect of a Flexible Blade for Load Alleviation in Wind Turbines. Energies, 2021, 14, 4988.	1.6	5
32	Extreme rainfall relationship in Mexico. Journal of Maps, 2015, 11, 405-414.	1.0	4
33	Zapote Seed (Pouteria mammosa L.) Valorization for Thermal Energy Generation in Tropical Climates. Sustainability, 2020, 12, 4284.	1.6	4
34	Dimensioning Optimization of the Permanent Magnet Synchronous Generator for Direct Drive Wind Turbines. Energies, 2021, 14, 7106.	1.6	4
35	Nonlinear Controller for the Set-Point Regulation of a Buck Converter System. Energies, 2021, 14, 5760.	1.6	3
36	Harnessing Offshore Wind Energy along the Mexican Coastline in the Gulf of Mexicoâ€"An Exploratory Study including Sustainability Criteria. Sustainability, 2022, 14, 5877.	1.6	3

#	ARTICLE	IF	CITATIONS
37	Wind Power Cogeneration to Reduce Peak Electricity Demand in Mexican States Along the Gulf of Mexico. Energies, 2019, 12, 2330.	1.6	2
38	CARACTERIZACIÃ“N DE LA INTENSIDAD DEL VIENTO EN LA PROVINCIA DE ALMERÃA.. Dyna (Spain), 2009, 84, 681-686.	0.1	1
39	Physical therapy: A worldwide overview. Ecorfan, 0, , 28-35.	0.0	1
40	New methodology based on simplifications of the short-term models of CSP for long-term tuning: a case study in Spain. Case Studies in Thermal Engineering, 2021, 28, 101478.	2.8	0
41	Seguridad en el suministro del agua y energÃa limpia: una propuesta de proyecto para los regantes del rÃo Torrox. Tecnologia Y Ciencias Del Agua, 2017, 08, 151-158.	0.1	0
42	Aerodynamic analysis of an unmanned aerial vehicle with infrared camera for monitoring oil leakage in pipeline networks. Acta Universitaria, 0, 30, 1-15.	0.2	0