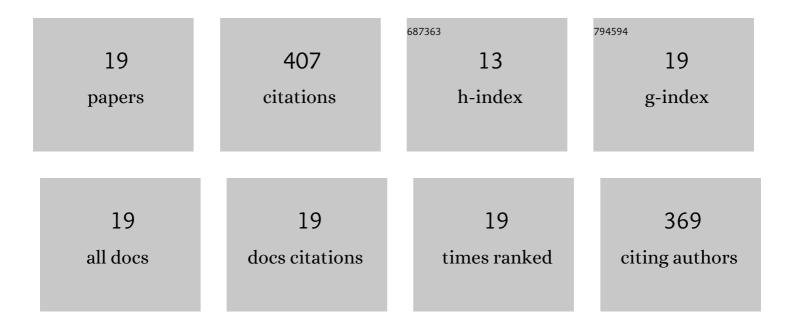
Julian D Osorio

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2759639/publications.pdf Version: 2024-02-01



ΙΠΗΥΝ Ο Οδοδιο

#	Article	lF	CITATIONS
1	Dynamic analysis of concentrated solar supercritical CO2-based power generation closed-loop cycle. Applied Thermal Engineering, 2016, 93, 920-934.	6.0	88
2	Performance analysis of Parabolic Trough Collectors with Double Glass Envelope. Renewable Energy, 2019, 130, 1092-1107.	8.9	40
3	Effect of multi-tank thermal energy storage, recuperator effectiveness, and solar receiver conductance on the performance of a concentrated solar supercritical CO2-based power plant operating under different seasonal conditions. Energy, 2016, 115, 353-368.	8.8	39
4	Integration of transparent insulation materials into solar collector devices. Solar Energy, 2017, 147, 8-21.	6.1	39
5	Microstructure characterization of thermal barrier coating systems after controlled exposure to a high temperature. Ceramics International, 2014, 40, 4663-4671.	4.8	32
6	Efficiency enhancement of spark-ignition engines using a Continuous Variable Valve Timing system for load control. Energy, 2018, 161, 649-662.	8.8	22
7	Correlations Between Microstructure and Mechanical Properties of Air Plasmaâ€5prayed Thermal Barrier Coatings Exposed to a High Temperature. Journal of the American Ceramic Society, 2013, 96, 3901-3907.	3.8	19
8	Forecasting solar-thermal systems performance under transient operation using a data-driven machine learning approach based on the deep operator network architecture. Energy Conversion and Management, 2022, 252, 115063.	9.2	19
9	Extracting energy from ocean thermal and salinity gradients to power unmanned underwater vehicles: State of the art, current limitations, and future outlook. Renewable and Sustainable Energy Reviews, 2022, 160, 112283.	16.4	17
10	Effect of the concentration ratio on energetic and exergetic performance of concentrating solar collectors with integrated transparent insulation materials. Sustainable Energy Technologies and Assessments, 2019, 32, 58-70.	2.7	15
11	Enabling thermal efficiency improvement and waste heat recovery using liquid air harnessed from offshore renewable energy sources. Applied Energy, 2020, 275, 115351.	10.1	15
12	Influence of the concentration ratio on the thermal and economic performance of parabolic trough collectors. Renewable Energy, 2022, 181, 786-802.	8.9	15
13	Diffusion–reaction of aluminum and oxygen in thermally grown Al2O3 oxide layers. Heat and Mass Transfer, 2014, 50, 483-492.	2.1	13
14	Phase transformations in air plasma-sprayed yttria-stabilized zirconia thermal barrier coatings. DYNA (Colombia), 2014, 81, 13.	0.4	12
15	Shape optimization of thin flat plate fins with geometries defined by linear piecewise functions. Applied Thermal Engineering, 2017, 112, 572-584.	6.0	6
16	Grid-Scale Ternary-Pumped Thermal Electricity Storage for Flexible Operation of Nuclear Power Generation under High Penetration of Renewable Energy Sources. Energies, 2021, 14, 3858.	3.1	5
17	Predicting the Slope of the Temperature–Entropy Vapor Saturation Curve for Working Fluid Selection Based on Lee–Kesler Modeling. Industrial & Engineering Chemistry Research, 2020, 59, 956-969.	3.7	4
18	Comparative analysis of natural gas cogeneration incentives on electricity production in Latin America. Energy Policy, 2020, 142, 111466.	8.8	4

#	Article	IF	CITATIONS
19	Thermodynamic Modeling of Heat Engines Including Heat Transfer and Compression–Expansion Irreversibilities. Journal of Thermal Science and Engineering Applications, 2022, 14, .	1.5	3