

Abubakr Ayub

List of Publications by Year in descending order

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Version: 2024-02-01

8

papers

131

citations

1307594

7

h-index

1588992

8

g-index

8

all docs

8

docs citations

8

times ranked

85

citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal efficiency gains enabled by using CO ₂ mixtures in supercritical power cycles. Energy, 2022, 238, 121899.	8.8	26
2	Pure and Hydrocarbon Binary Mixtures as Possible Alternatives Working Fluids to the Usual Organic Rankine Cycles Biomass Conversion Systems. Energies, 2019, 12, 4140.	3.1	22
3	Experimental and analytical procedure for the characterization of innovative working fluids for power plants applications. Applied Thermal Engineering, 2020, 178, 115513.	6.0	21
4	Exergetic optimization and comparison of combined gas turbine supercritical CO ₂ power cycles. Journal of Renewable and Sustainable Energy, 2018, 10, 044703.	2.0	20
5	Adoption of the CO ₂ +SO ₂ mixture as working fluid for transcritical cycles: A thermodynamic assessment with optimized equation of state. Energy Conversion and Management, 2022, 255, 115263.	9.2	15
6	Carbon Dioxide Mixtures as Working Fluid for High-Temperature Heat Recovery: A Thermodynamic Comparison with Transcritical Organic Rankine Cycles. Energies, 2020, 13, 4014.	3.1	11
7	Exergetic, Economic and Exergo-Environmental Analysis of Bottoming Power Cycles Operating with CO ₂ -Based Binary Mixture. Energies, 2020, 13, 5080.	3.1	9
8	Exergetic performance and comparative assessment of bottoming power cycles operating with carbon dioxide-based binary mixture as working fluid. International Journal of Energy Research, 2020, 44, 7957-7973.	4.5	7