

Abubakr Ayub

List of Publications by Year in descending order

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