

Samiran Samanta

List of Publications by Year in descending order

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29
papers

455
citations

858243

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799663

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30
all docs

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docs citations

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times ranked

437
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Exergetic Analysis of a Natural Gas Combined-Cycle Power Plant with a Molten Carbonate Fuel Cell for Carbon Capture. Sustainability, 2022, 14, 533. | 1.6 | 5 |
| 2 | Simulations of water flow in a horizontal and 900 pipe bend. Materials Today: Proceedings, 2022, 56, 889-895. | 0.9 | 1 |
| 3 | Performance analysis of a solar assisted vapour compression cascade refrigeration system using alternative environment friendly refrigerant. AIP Conference Proceedings, 2021, , . | 0.3 | 0 |
| 4 | Thermodynamic analysis of a cogeneration system integrating organic Rankine cycle and absorption chiller using a diesel engine exhaust. AIP Conference Proceedings, 2021, , . | 0.3 | 0 |
| 5 | Review of performance analysis of green engine fueled with gasoline blended bio-fuel. AIP Conference Proceedings, 2021, , . | 0.3 | 0 |
| 6 | Municipal solid waste fired combined cycle plant: Techno-economic performance optimization using response surface methodology. Energy Conversion and Management, 2021, 237, 114133. | 4.4 | 17 |
| 7 | Recent Advancements in Technical Design and Thermal Performance Enhancement of Solar Greenhouse Dryers. Sustainability, 2021, 13, 7025. | 1.6 | 23 |
| 8 | Development and multiobjective optimization of a novel trigeneration system based on biomass energy. Energy Conversion and Management, 2021, 240, 114248. | 4.4 | 18 |
| 9 | Thermo-economic and Environmental Analyses of Full Site Repowering Through Coal Gasification and Carbon Capture by Downstream MCFC Integration. Lecture Notes in Mechanical Engineering, 2021, , 67-81. | 0.3 | 2 |
| 10 | Comparative Energetic and Exergetic Analyses of a Cascade Refrigeration System Pairing R744 with R134a, R717, R1234yf, R600, R1234ze, R290. Lecture Notes in Mechanical Engineering, 2021, , 221-234. | 0.3 | 1 |
| 11 | Performance optimization through response surface methodology of an integrated biomass gasification based combined heat and power plant employing solid oxide fuel cell and externally fired gas turbine. Energy Conversion and Management, 2020, 222, 113182. | 4.4 | 58 |
| 12 | Performance assessment of a biomass-fuelled distributed hybrid energy system integrating molten carbonate fuel cell, externally fired gas turbine and supercritical carbon dioxide cycle. Energy Conversion and Management, 2020, 211, 112740. | 4.4 | 55 |
| 13 | Performance assessment of a biomass fuelled advanced hybrid power generation system. Renewable Energy, 2020, 162, 639-661. | 4.3 | 28 |
| 14 | Surface Roughness Characteristics of MS Rod Using Different Cutting Fluids During Turning Operation. Lecture Notes in Mechanical Engineering, 2020, , 135-141. | 0.3 | 0 |
| 15 | 3-E analyses of a natural gas fired multi-generation plant with back pressure steam turbine. Journal of Physics: Conference Series, 2019, 1240, 012113. | 0.3 | 0 |
| 16 | Thermo-economic assessment of biomass gasification-based power generation system consists of solid oxide fuel cell, supercritical carbon dioxide cycle and indirectly heated air turbine. Clean Technologies and Environmental Policy, 2019, 21, 827-845. | 2.1 | 26 |
| 17 | Energetic, exergetic and economic (3E) investigation of biomass gasification-based power generation system employing molten carbonate fuel cell (MCFC), indirectly heated air turbine and an organic Rankine cycle. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1. | 0.8 | 14 |
| 18 | Thermodynamic Analysis of Biomass Gasification-Based Power Generation System Through Indirectly Heated GT and Sâ€“CO2 Cycle. Lecture Notes in Mechanical Engineering, 2019, , 105-115. | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Energetic and Exergetic Analyses of a Solid Oxide Fuel Cell (SOFC) Module Coupled with an Organic Rankine Cycle. Lecture Notes in Mechanical Engineering, 2019, , 13-24. | 0.3 | 1 |
| 20 | Techno-economic and environmental analyses of a biomass based system employing solid oxide fuel cell, externally fired gas turbine and organic Rankine cycle. Journal of Cleaner Production, 2019, 225, 36-57. | 4.6 | 89 |
| 21 | A novel approach in comparison and experimentation of Hybrid Metal Matrix Composites using advanced MCDM methods. IOP Conference Series: Materials Science and Engineering, 2019, 653, 012003. | 0.3 | 4 |
| 22 | Thermodynamic analysis of a biomass based solid oxide fuel cell integrated advanced power generation system. IOP Conference Series: Materials Science and Engineering, 2018, 377, 012210. | 0.3 | 3 |
| 23 | Techno-economic assessment of a repowering scheme for a coal fired power plant through upstream integration of SOFC and downstream integration of MCFC. International Journal of Greenhouse Gas Control, 2017, 64, 234-245. | 2.3 | 34 |
| 24 | A thermo-economic analysis of repowering of a 250 MW coal fired power plant through integration of Molten Carbonate Fuel Cell with carbon capture. International Journal of Greenhouse Gas Control, 2016, 51, 48-55. | 2.3 | 45 |
| 25 | Energy and Entropy-Based Optimization of a Single-Stage Water-Lithium Bromide Absorption Refrigeration System. Heat Transfer Engineering, 2016, 37, 232-241. | 1.2 | 18 |
| 26 | A techno-economic analysis of partial repowering of a 210 MW coal fired power plant. Advances in Energy Research, 2015, 3, 167-179. | 0.4 | 8 |
| 27 | Energetic and Environmental Analysis of Partial Repowering of a Coal Fired Power Plant Through Upstream GT Integration and Employing Waste Heated Feed Water Heaters. , 2014, , . | | 2 |
| 28 | EFFECT OF CONFINEMENT AND PREFILMING ON THE STABILITY OF AN ANNULAR LIQUID SHEET. Atomization and Sprays, 2013, 23, 401-418. | 0.3 | 1 |
| 29 | Effect of a Confined Outer Air Stream on Instability of an Annular Liquid Sheet Exposed to Gas Flow. , 2012, , . | | 2 |