

Bin Du

List of Publications by Year in descending order

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19
papers

446
citations

759055

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times ranked

231
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Ideal scheme selection of an integrated conventional and renewable energy system combining multi-objective optimization and matching performance analysis. <i>Energy Conversion and Management</i> , 2022, 251, 114989. | 4.4 | 34 |
| 2 | Multi-objective optimization of an integrated energy system against energy, supply-demand matching and exergo-environmental cost over the whole life-cycle. <i>Energy Conversion and Management</i> , 2022, 254, 115203. | 4.4 | 39 |
| 3 | Configuration optimization and selection of a photovoltaic-gas integrated energy system considering renewable energy penetration in power grid. <i>Energy Conversion and Management</i> , 2022, 254, 115260. | 4.4 | 46 |
| 4 | Development of a Core-Shell Heterojunction $\text{TiO}_2/\text{SrTiO}_3$ Electrolyte with Improved Ionic Conductivity. <i>ChemPhysChem</i> , 2022, 23, . | 1.0 | 3 |
| 5 | Improving the accuracy of predicting the performance of solar collectors through clustering analysis with artificial neural network models. <i>Energy Reports</i> , 2022, 8, 3970-3981. | 2.5 | 14 |
| 6 | Performance analysis and exergo-economic optimization of a solar-driven adjustable tri-generation system. <i>Energy Conversion and Management</i> , 2021, 233, 113873. | 4.4 | 42 |
| 7 | Comparative study of modelling the thermal efficiency of a novel straight through evacuated tube collector with MLR, SVR, BP and RBF methods. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 44, 101029. | 1.7 | 10 |
| 8 | Comparative study of heat transfer enhancement using different fins in semi-circular absorber tube for large-aperture trough solar concentrator. <i>Renewable Energy</i> , 2021, 169, 1229-1241. | 4.3 | 22 |
| 9 | Thermodynamic performance analysis and modified thermo-ecological cost optimization of a hybrid district heating system considering energy levels. <i>Energy</i> , 2021, 224, 120067. | 4.5 | 20 |
| 10 | Estimation and prediction of state of health of electric vehicle batteries using discrete incremental capacity analysis based on real driving data. <i>Energy</i> , 2021, 225, 120160. | 4.5 | 34 |
| 11 | Improving stability and heat transfer through a beam in a semi-circular absorber tube of a large-aperture trough solar concentrator. <i>Energy</i> , 2021, 228, 120614. | 4.5 | 6 |
| 12 | Characteristics of natural convection in n-eicosane in a square cavity with discrete heat source. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101245. | 2.8 | 7 |
| 13 | Optimizing research on large-aperture parabolic trough condenser using two kinds of absorber tubes with reflector at 500°C. <i>Renewable Energy</i> , 2021, 179, 2187-2197. | 4.3 | 5 |
| 14 | Theoretical study on melting of phase change material by natural convection. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101620. | 2.8 | 10 |
| 15 | Improving the performance of large-aperture parabolic trough solar concentrator using semi-circular absorber tube with external fin and flat-plate radiation shield. <i>Renewable Energy</i> , 2020, 159, 1215-1223. | 4.3 | 25 |
| 16 | Numerical study on the uniformity of reflective high concentration photovoltaic system with two-stage reflective concentrator. <i>Solar Energy</i> , 2020, 199, 206-213. | 2.9 | 19 |
| 17 | Improving the performance of a 2-stage large aperture parabolic trough solar concentrator using a secondary reflector designed by adaptive method. <i>Renewable Energy</i> , 2020, 152, 23-33. | 4.3 | 45 |
| 18 | Straight-through all-glass evacuated tube solar collector for low and medium temperature applications. <i>Solar Energy</i> , 2020, 201, 935-943. | 2.9 | 29 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Status and future strategies for Concentrating Solar Power in China. Energy Science and Engineering, 2017, 5, 100-109. | 1.9 | 36 |