

Qunwu Huang

List of Publications by Year in descending order

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45
papers

772
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567281

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times ranked

706
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Controlling of Fumed Silica Particle Size Uniform Production Process Based on Burner Fluid Dynamic Simulation. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 7235-7244. | 3.7 | 3 |
| 2 | Weighting of toilet assessment scheme in China implementing analytic hierarchy process. <i>Journal of Environmental Management</i> , 2021, 283, 111992. | 7.8 | 13 |
| 3 | Influence of Piping on On-Line Continuous Weighing of Materials inside Process Equipment: Theoretical Analysis and Experimental Verification. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5246. | 2.5 | 1 |
| 4 | Effect of Color Coating of Cover Plate on Thermal Behavior of Flat Plate Solar Collector. <i>Energies</i> , 2020, 13, 6696. | 3.1 | 3 |
| 5 | Experimental study of active phase change cooling technique based on porous media for photovoltaic thermal management and efficiency enhancement. <i>Energy Conversion and Management</i> , 2019, 199, 111990. | 9.2 | 22 |
| 6 | CFD investigation of a new flat plate collector with additional front side transparent insulation for use in cold regions. <i>Renewable Energy</i> , 2019, 138, 754-763. | 8.9 | 32 |
| 7 | Analysis of Combined Natural Convection and Radiation Heat Transfer in a Partitioned Rectangular Enclosure with Semitransparent Walls. <i>Transactions of Tianjin University</i> , 2019, 25, 472-487. | 6.4 | 7 |
| 8 | Parametric analysis on the performance of flat plate collector with transparent insulation material. <i>Energy</i> , 2019, 174, 534-542. | 8.8 | 24 |
| 9 | Comparative study of high concentrating photovoltaics integrated with phase-change liquid film cooling system. <i>International Journal of Energy Research</i> , 2019, 43, 2108-2122. | 4.5 | 7 |
| 10 | Transient analysis of the steam-water direct contact condensation in the packed column. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 404-413. | 1.7 | 3 |
| 11 | Transient Heat Transfer Study of Direct Contact Condensation of Steam in Spray Cooling Water. <i>Transactions of Tianjin University</i> , 2018, 24, 131-143. | 6.4 | 5 |
| 12 | Experimental Study on a Modified Wind-Solar Hybrid System. <i>Transactions of Tianjin University</i> , 2018, 24, 59-65. | 6.4 | 6 |
| 13 | New insights for phase-change immersion cooling enhancement of solar cells under high concentration ratios. <i>International Journal of Energy Research</i> , 2018, 42, 466-476. | 4.5 | 3 |
| 14 | Experimental study on cooling performance of solar cells with atmospheric plate thermosyphon. <i>Energy Conversion and Management</i> , 2018, 178, 226-234. | 9.2 | 12 |
| 15 | The experimental study of a hybrid solar photo-Fenton and photovoltaic system for water purification. <i>Energy Conversion and Management</i> , 2017, 135, 178-187. | 9.2 | 12 |
| 16 | The effect of Dixon rings on direct contact heat transfer performance: Comparison of counter and co-current evaporation. <i>Applied Thermal Engineering</i> , 2017, 117, 762-772. | 6.0 | 10 |
| 17 | Performance study of SOL&PID system for the degradation of Acid Red 26 and 4-Chlorophenol. <i>Energy Conversion and Management</i> , 2017, 136, 361-371. | 9.2 | 14 |
| 18 | The effect of packing on direct contact evaporation in spray column. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 2209-2220. | 1.7 | 1 |

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|----|---|-----|-----------|
| 19 | An indirect evaporative heat pump system. Applied Thermal Engineering, 2017, 121, 791-801. | 6.0 | 1 |
| 20 | Phase-change immersion cooling high power light emitting diodes and heat transfer improvement. Microelectronics Reliability, 2017, 79, 257-264. | 1.7 | 13 |
| 21 | Performance analysis of a solar photochemical photovoltaic hybrid system for decolorization of Acid Red 26 (AR 26). Energy, 2017, 127, 209-217. | 8.8 | 3 |
| 22 | Experimental study on direct-contact liquid film cooling simulated dense-array solar cells in high concentrating photovoltaic system. Energy Conversion and Management, 2017, 135, 55-62. | 9.2 | 18 |
| 23 | Experimental study of a solar-driven photo-electrochemical hybrid system for the decolorization of Acid Red 26. Energy Conversion and Management, 2017, 150, 775-786. | 9.2 | 7 |
| 24 | Performance comparison between ethanol phase-change immersion and active water cooling for solar cells in high concentrating photovoltaic system. Energy Conversion and Management, 2017, 149, 505-513. | 9.2 | 9 |
| 25 | Experimental and numerical optimization of direct-contact liquid film cooling in high concentration photovoltaic system. Energy Conversion and Management, 2017, 154, 603-614. | 9.2 | 9 |
| 26 | Effect of radiation and convection heat transfer on cooling performance of radiative panel. Renewable Energy, 2016, 99, 10-17. | 8.9 | 23 |
| 27 | Photovoltaic and disinfection performance study of a hybrid photovoltaic-solar water disinfection system. Energy, 2016, 106, 757-764. | 8.8 | 29 |
| 28 | The performance and applicability study of a fixed photovoltaic-solar water disinfection system. Energy Conversion and Management, 2016, 123, 549-558. | 9.2 | 19 |
| 29 | Study on direct-contact phase-change liquid immersion cooling dense-array solar cells under high concentration ratios. Energy Conversion and Management, 2016, 128, 95-103. | 9.2 | 22 |
| 30 | Simple model for gas holdup and liquid velocity of annular photocatalytic external-loop airlift reactor under both bubble and developing slug flow. Transactions of Tianjin University, 2016, 22, 228-236. | 6.4 | 1 |
| 31 | Experimental and theoretical investigation of cross-flow heat transfer equipment for air energy high efficient utilization. Applied Thermal Engineering, 2016, 98, 1231-1240. | 6.0 | 4 |
| 32 | Direct contact evaporation heat transfer coefficient and drobble size distribution in a 2D column. Applied Thermal Engineering, 2016, 96, 568-575. | 6.0 | 14 |
| 33 | Experimental study of liquid-immersion III-V multi-junction solar cells with dimethyl silicon oil under high concentrations. Energy Conversion and Management, 2015, 94, 169-177. | 9.2 | 30 |
| 34 | The effect of Dixon rings on direct contact evaporative heat transfer performance. Applied Thermal Engineering, 2015, 87, 336-343. | 6.0 | 10 |
| 35 | Study on the performance of cooling composite materials for liquid-immersed concentrating photovoltaic systems. Solar Energy, 2015, 119, 543-552. | 6.1 | 4 |
| 36 | Comparison of photovoltaic and photocatalytic performance of non-concentrating and V-trough SOLWAT (solar water purification and renewable electricity generation) systems for water purification. Energy, 2015, 85, 251-260. | 8.8 | 29 |

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|----|---|------|-----------|
| 37 | Experimental study of direct contact vaporization heat transfer on n-pentane-water flowing interface. <i>Energy</i> , 2015, 93, 854-863. | 8.8 | 14 |
| 38 | Spectral transmittance of di-methyl silicon oil as a heat transfer material for concentrator solar cells. <i>Transactions of Tianjin University</i> , 2015, 21, 453-460. | 6.4 | 2 |
| 39 | Multi-turbine wind-solar hybrid system. <i>Renewable Energy</i> , 2015, 76, 401-407. | 8.9 | 57 |
| 40 | Direct liquid-immersion cooling of concentrator silicon solar cells in a linear concentrating photovoltaic receiver. <i>Energy</i> , 2014, 65, 264-271. | 8.8 | 77 |
| 41 | Heat dissipation performance of silicon solar cells by direct dielectric liquid immersion under intensified illuminations. <i>Solar Energy</i> , 2011, 85, 922-930. | 6.1 | 60 |
| 42 | An effective heat dissipation method for densely packed solar cells under high concentrations. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 133-140. | 6.2 | 57 |
| 43 | The performance of silicon solar cells operated in liquids. <i>Applied Energy</i> , 2009, 86, 1037-1042. | 10.1 | 73 |
| 44 | Preparation of solar selective absorbing CuO coating for medium temperature application. <i>Frontiers of Chemical Engineering in China</i> , 2007, 1, 256-260. | 0.6 | 6 |
| 45 | Experimental investigation on direct contact condensation of subatmospheric pressure steam in cocurrent flow packed tower. <i>Energy Science and Engineering</i> , 0, , . | 4.0 | 3 |