# Chong Zhai

List of Publications by Year
in descending order



Version: 2024-02-01

| 13 | 254 | 1039406 9 | 1125271 13 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 13 | 13 | 13 | 88 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Energetic, exergetic, economic, and environmental analysis of microchannel membrane-based absorption refrigeration system driven by various energy sources. Energy, 2022, 239, 122193. | 4.5 | 21 |
| 2 | A hybrid H2O/IL absorption and CO2 compression air-source heat pump for ultra-low ambient temperatures. Energy, 2022, 239, 122180. | 4.5 | 15 |
| 3 | Parametric and comparative study on enhanced microchannel membrane-based absorber structures for compact absorption refrigeration. Renewable Energy, 2022, 187, 109-122. | 4.3 | 5 |
| 4 | Experimental evaluation on heat/mass transfer and pressure drop of a microchannel membraneâ€based desorber for compact and efficient H2O/LiBr absorption refrigeration. International Journal of Heat and Mass Transfer, 2022, 195, 123198. | 2.5 | 7 |
| 5 | Geometry optimization of plate heat exchangers as absorbers in compact absorption refrigeration systems using H2O/ionic liquids. Applied Thermal Engineering, 2021, 186, 116554. | 3.0 | 18 |
| 6 | Ionic liquids for microchannel membrane-based absorption heat pumps: Performance comparison and geometry optimization. Energy Conversion and Management, 2021, 239, 114213. | 4.4 | 19 |
| 7 | Heat and mass transfer performance comparison of various absorbers/desorbers towards compact and efficient absorption heat pumps. International Journal of Refrigeration, 2021, 127, 203-220. | 1.8 | 26 |
| 8 | Performance optimization and comparison towards compact and efficient absorption refrigeration system with conventional and emerging absorbers/desorbers. Energy, 2021, 229, 120669. | 4.5 | 7 |
| 9 | Swirling flow for performance improvement of a microchannel membrane-based absorber with discrete inclined grooves. International Journal of Refrigeration, 2021, 130, 382-391. | 1.8 | 9 |
| 10 | Membrane-based absorption cooling and heating: Development and perspectives. Renewable Energy, 2021, 177, 663-688. | 4.3 | 12 |
| 11 | Proton exchange membrane fuel cell integrated with microchannel membrane-based absorption cooling for hydrogen vehicles. Renewable Energy, 2021, 178, 560-573. | 4.3 | 23 |
| 12 | Parametric study of major factors affecting heat transfer enhancement in a circular tube with vortex generator pairs. Applied Thermal Engineering, 2019, 153, 330-340. | 3.0 | 27 |
| 13 | Heat transfer augmentation in a circular tube with delta winglet vortex generator pairs. International Journal of Thermal Sciences, 2019, 140, 480-490. | 2.6 | 65 |