# Bin Wang

List of Publications by Year
in descending order



| 11 | 81 | 1684188 5 | 1474206 9 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 11 | 11 | 11 | 41 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Transformation heat transfer and thermo-hydrodynamic cloaks for creeping flows: Manipulating heat fluxes and fluid flows simultaneously. Applied Thermal Engineering, 2021, 190, 116726. | 6.0 | 22 |
| 2 | Intangible Hydrodynamic Cloaks for Convective Flows. Physical Review Applied, 2021, 15, . | 3.8 | 16 |
| 3 | Homogeneous Venturi-effect concentrators for creeping flows: Magnifying flow velocities and heat fluxes simultaneously. Applied Thermal Engineering, 2022, 206, 118012. | 6.0 | 15 |
| 4 | Characteristics of instantaneous heat transfer rates in three heat-transfer-coefficient regimes. International Journal of Heat and Mass Transfer, 2016, 93, 889-895. | 4.8 | 9 |
| 5 | Enhancing and attenuating heat transfer characteristics for circulating flows of nanofluids within rectangular enclosures. International Communications in Heat and Mass Transfer, 2020, 117, 104800. | 5.6 | 7 |
| 6 | Mildly zigzag heat transfer affected by aspect ratios for recirculating flows in rectangular enclosures. International Journal of Heat and Mass Transfer, 2017, 107, 372-378. | 4.8 | 4 |
| 7 | Cascade-like and cyclic heat transfer characteristics affected by enclosure aspect ratios for low Prandtl numbers. International Journal of Heat and Mass Transfer, 2018, 124, 131-140. | 4.8 | 4 |
| 8 | Anomalous cooling during transient heating processes. International Journal of Heat and Mass Transfer, 2018, 127, 1253-1262. | 4.8 | 1 |
| 9 | Nusselt number influenced by expansion/compression, birth/death, and recirculating direction of vortices in elongated enclosures. International Communications in Heat and Mass Transfer, 2018, 97, 110-117. | 5.6 | 1 |
| 10 | Buoyancy-driven flows descending toward hottest spots of heated bottom surfaces in enclosures. International Communications in Heat and Mass Transfer, 2019, 101, 51-57. | 5.6 | 1 |
| 11 | Homogenization design and drag reduction characteristics of hydrodynamic cloaks. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 134703. | 0.5 | 1 |