

Alvar TorellÀ³

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4393901/publications.pdf>

Version: 2024-02-01

11
papers

397
citations

1163065

8
h-index

1281846

11
g-index

11
all docs

11
docs citations

11
times ranked

361
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Giant temperature span in electrocaloric regenerator. <i>Science</i> , 2020, 370, 125-129. | 12.6 | 125 |
| 2 | Full-field thermal imaging of quasiballistic crosstalk reduction in nanoscale devices. <i>Nature Communications</i> , 2018, 9, 255. | 12.8 | 59 |
| 3 | First principles kinetic-collective thermal conductivity of semiconductors. <i>Physical Review B</i> , 2017, 95, . | 3.2 | 53 |
| 4 | Giant electrocaloric materials energy efficiency in highly ordered lead scandium tantalate. <i>Nature Communications</i> , 2021, 12, 3298. | 12.8 | 45 |
| 5 | Emergence of hydrodynamic heat transport in semiconductors at the nanoscale. <i>Physical Review Materials</i> , 2018, 2, . | 2.4 | 39 |
| 6 | Electrocaloric Coolers: A Review. <i>Advanced Electronic Materials</i> , 2022, 8, . | 5.1 | 39 |
| 7 | Heat flow in electrocaloric multilayer capacitors. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155042. | 5.5 | 13 |
| 8 | Heat exchange law in caloric regenerators. <i>International Journal of Refrigeration</i> , 2021, 127, 174-179. | 3.4 | 9 |
| 9 | Measuring lead scandium tantalate phase transition entropy by infrared camera. <i>Journal of the European Ceramic Society</i> , 2021, 41, 7000-7004. | 5.7 | 9 |
| 10 | Materials efficiency of electrocaloric lead scandium tantalate multilayer capacitors. <i>Scripta Materialia</i> , 2022, 219, 114873. | 5.2 | 4 |
| 11 | Collective thermal transport in pure and alloy semiconductors. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6805-6810. | 2.8 | 2 |