# Thomas Fend

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4098704/publications.pdf

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| 20 | 781 | 840776 11 | 940533 16 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 21 | 21 | 21 | 663 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Porous Materials for Solar Energy Harvesting, Transformation, and Storage. , 2022, , 245-283. | | 1 |
| 2 | Holistic energy flow analysis of a solar driven thermo-chemical reactor set-up for sustainable hydrogen production. Renewable Energy, 2022, 189, 1358-1374. | 8.9 | 8 |
| 3 | Porous Materials for Solar Energy Harvesting, Transformation, and Storage. , 2021, , 1-39. | | 0 |
| 4 | Real time executable model for dynamic heat flow analysis of a solar hydrogen reactor. TM Technisches Messen, 2020, 87, 360-371. | 0.7 | 5 |
| 5 | Determination of critical thermal loads in ceramic high concentration solar receivers. Solar Energy Materials and Solar Cells, 2018, 176, 196-203. | 6.2 | 11 |
| 6 | HYDROSOL-PLANT: Structured redox reactors for H2 production from solar thermochemical H2O splitting. AIP Conference Proceedings, 2018, , . | 0.4 | 8 |
| 7 | Densification and characterization of SiC-AlN composites for solar energy applications. Renewable Energy, 2018, 129, 201-213. | 8.9 | 22 |
| 8 | Experimental performance of an advanced metal volumetric air receiver for Solar Towers. Renewable Energy, 2017, 106, 91-98. | 8.9 | 61 |
| 9 | Optimized volumetric solar receiver: Thermal performance prediction and experimental validation. Renewable Energy, 2017, 114, 556-566. | 8.9 | 61 |
| 10 | Numerical models of advanced ceramic absorbers for volumetric solar receivers. Renewable and Sustainable Energy Reviews, 2016, 58, 656-665. | 16.4 | 52 |
| 11 | Fabrication of cylindrical SiCf/Si/SiC-based composite by electrophoretic deposition and liquid silicon infiltration. Journal of the European Ceramic Society, 2014, 34, 1131-1138. | 5.7 | 25 |
| 12 | Characterization of Air Flow Through Sintered Metal Foams. Journal of Fluids Engineering, Transactions of the ASME, 2008, 130, . | 1.5 | 14 |
| 13 | Solar Radiation Conversion. , 2006, , 523-546. | | 10 |
| 14 | Gas Flow in Hot Porous Materials: The Solar Air Receiver and Spin-Off Applications. , 2006, , 507. | | 0 |
| 15 | Thermal Properties. , 2006, , 342-360. | | 3 |
| 16 | Porous materials as open volumetric solar receivers: Experimental determination of thermophysical and heat transfer properties. Energy, 2004, 29, 823-833. | 8.8 | 227 |
| 17 | Two novel high-porosity materials as volumetric receivers for concentrated solar radiation. Solar Energy Materials and Solar Cells, 2004, 84, 291-304. | 6.2 | 170 |
| 18 | Influence of Powder Morphology and Chemical Composition on Metallic Foams produced by SlipReactionFoamSintering (SRFS)- Process. Steel Research International, 2004, 75, 483-488. | 1.8 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Comparative assessment of solar concentrator materials. Solar Energy, 2003, 74, 149-155. | 6.1 | 44 |
| 20 | Applicability of highly reflective aluminium coil for solar concentrators. Solar Energy, 2000, 68, 361-370. | 6.1 | 37 |