Thomas Fend

List of Publications by Year
in descending order

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

Version: 2024-02-01

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 as open volumetric solar receivers: Experimental determination of thermophysical and heat transfer properties. Energy, 2004, 29, 823-833.	8.8	227
2	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
3	Experimental performance of an advanced metal volumetric air receiver for Solar Towers. Renewable Energy, 2017, 106, 91-98.	8.9	61
4	Optimized volumetric solar receiver: Thermal performance prediction and experimental validation. Renewable Energy, 2017, 114, 556-566.	8.9	61
5	Numerical models of advanced ceramic absorbers for volumetric solar receivers. Renewable and Sustainable Energy Reviews, 2016, 58, 656-665.	16.4	52
6	Comparative assessment of solar concentrator materials. Solar Energy, 2003, 74, 149-155.	6.1	44
7	Applicability of highly reflective aluminium coil for solar concentrators. Solar Energy, 2000, 68, 361-370.	6.1	37
8	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
9	Densification and characterization of SiC-AlN composites for solar energy applications. Renewable Energy, 2018, 129, 201-213.	8.9	22
10	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
11	Characterization of Air Flow Through Sintered Metal Foams. Journal of Fluids Engineering, Transactions of the ASME, 2008, 130, .	1.5	14
12	Determination of critical thermal loads in ceramic high concentration solar receivers. Solar Energy Materials and Solar Cells, 2018, 176, 196-203.	6.2	11
13	Solar Radiation Conversion. , 2006, , 523-546.		10
14	HYDROSOL-PLANT: Structured redox reactors for H2 production from solar thermochemical H2O splitting. AIP Conference Proceedings, 2018, , .	0.4	8
15	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
16	Real time executable model for dynamic heat flow analysis of a solar hydrogen reactor. TM Technisches Messen, 2020, 87, 360-371.	0.7	5
17	Thermal Properties. , 2006, , 342-360.		3
18	Porous Materials for Solar Energy Harvesting, Transformation, and Storage. , 2022, , 245-283.		1

#	Article	IF	Citations
19	Gas Flow in Hot Porous Materials: The Solar Air Receiver and Spin-Off Applications. , 2006, , 507.		0
20	Porous Materials for Solar Energy Harvesting, Transformation, and Storage. , 2021, , 1-39.		0