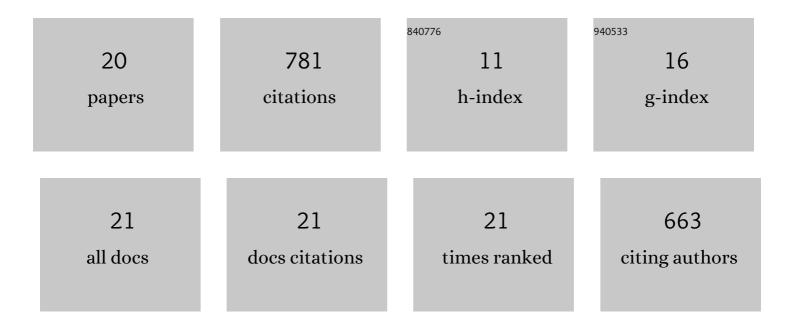
Thomas Fend

List of Publications by Year in descending order

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THOMAS FEND

#	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.		Ο
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

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#	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