

Rami Ben-Zvi

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

209
citations

1163117

8
h-index

1058476

14
g-index

20
all docs

20
docs citations

20
times ranked

179
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat transfer in a directly irradiated solar receiver/reactor for solid-gas reactions. Solar Energy, 2007, 81, 1227-1239.	6.1	57
2	Simulation of a Volumetric Solar Reformer. Journal of Solar Energy Engineering, Transactions of the ASME, 2007, 129, 197-204.	1.8	21
3	Simulation of an integrated steam generator for solar tower. Solar Energy, 2012, 86, 578-592.	6.1	18
4	DOTS: PSEUDO-TIME-STEPPING SOLUTION OF THE DISCRETE ORDINATE EQUATIONS. Numerical Heat Transfer, Part B: Fundamentals, 1999, 35, 163-183.	0.9	16
5	Solar Carboreduction of Alumina Under Vacuum. Jom, 2013, 65, 1721-1732.	1.9	13
6	Feasibility study on non-windowed solar reactor: ZnO carboreduction as an example. Solar Energy, 2006, 80, 1363-1375.	6.1	12
7	Numerical simulation and experimental validation of a solar metal oxide reduction system under vacuum. Solar Energy, 2013, 98, 181-189.	6.1	11
8	A continuous time random walk (CTRW) integro-differential equation with chemical interaction. European Physical Journal B, 2018, 91, 1.	1.5	10
9	A simple implementation of a 3D thermo-viscoelastic model in a finite element program. Computers and Structures, 1990, 34, 881-883.	4.4	8
10	Effective Radiative Properties of a Cylinder Array. Journal of Heat Transfer, 2002, 124, 198-200.	2.1	8
11	One-Dimensional Finite Element Method Solution of a Class of Integro-Differential Equations: Application to Non-Fickian Transport in Disordered Media. Transport in Porous Media, 2016, 115, 239-263.	2.6	7
12	Finite Element Method Solution of Non-Fickian Transport in Porous Media: The CTRW-FEM Package. Ground Water, 2019, 57, 479-484.	1.3	5
13	A curved axisymmetric shell element for nonlinear dynamic elastoplastic problems-I. Formulation. Computers and Structures, 1992, 42, 631-639.	4.4	4
14	Beam-Down Mirror: Thermal and Stress Analyses. Journal of Solar Energy Engineering, Transactions of the ASME, 2009, 131, .	1.8	4
15	Two-dimensional finite element method solution of a class of integro-differential equations: Application to non-Fickian transport in disordered media. International Journal for Numerical Methods in Engineering, 2017, 112, 459-478.	2.8	4
16	A curved axisymmetric shell element for nonlinear dynamic elastoplastic problems-II. Implementation and results. Computers and Structures, 1992, 42, 641-648.	4.4	3
17	Volumetric optical properties of fully anisotropic participating media. Journal of Quantitative Spectroscopy and Radiative Transfer, 2001, 69, 415-430.	2.3	3
18	Transient one-dimensional reactive pellet simulation. Solar Energy, 2015, 115, 10-15.	6.1	3

#	ARTICLE	IF	CITATIONS
19	Bimolecular reactive transport in a two-dimensional velocity field in disordered media. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 424005.	2.1	2
20	Radiative Transport in Anisotropic Media. Lecture Notes in Physics, 2001, , 151-162.	0.7	0