

Seok-Ki Choi

List of Publications by Year in descending order

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30
papers

305
citations

933447

10
h-index

888059

17
g-index

30
all docs

30
docs citations

30
times ranked

251
citing authors

#	ARTICLE	IF	CITATIONS
1	Computation of the Natural Convection of Nanofluid in a Square Cavity with Homogeneous and Nonhomogeneous Models. Numerical Heat Transfer; Part A: Applications, 2014, 65, 287-301.	2.1	61
2	Turbulence modeling of natural convection in enclosures: A review. Journal of Mechanical Science and Technology, 2012, 26, 283-297.	1.5	45
3	Comparative Analysis of Thermal Models in the Lattice Boltzmann Method for the Simulation of Natural Convection in a Square Cavity. Numerical Heat Transfer, Part B: Fundamentals, 2011, 60, 135-145.	0.9	30
4	A Simple Finite-Volume Formulation of the Lattice Boltzmann Method for Laminar and Turbulent Flows. Numerical Heat Transfer, Part B: Fundamentals, 2010, 58, 242-261.	0.9	25
5	Treatment of turbulent heat fluxes with the elliptic-blending second-moment closure for turbulent natural convection flows. International Journal of Heat and Mass Transfer, 2008, 51, 2377-2388.	4.8	20
6	Evaluation of Turbulence Models for Thermal Striping in a Triple Jet. Journal of Pressure Vessel Technology, Transactions of the ASME, 2007, 129, 583-592.	0.6	16
7	Computation of Turbulent Natural Convection in a Rectangular Cavity with the Lattice Boltzmann Method. Numerical Heat Transfer, Part B: Fundamentals, 2012, 61, 492-504.	0.9	16
8	NUMERICAL ANALYSIS OF THERMAL STRATIFICATION IN THE UPPER PLENUM OF THE MONJU FAST REACTOR. Nuclear Engineering and Technology, 2013, 45, 191-202.	2.3	15
9	Computation of a turbulent natural convection in a rectangular cavity with the elliptic-blending second-moment closure. International Communications in Heat and Mass Transfer, 2006, 33, 1217-1224.	5.6	10
10	A SIMPLE ANALYTICAL METHOD FOR NONLINEAR DENSITY WAVE TWO-PHASE INSTABILITY IN A SODIUM-HEATED AND HELICALLY COILED STEAM GENERATOR. Nuclear Engineering and Technology, 2009, 41, 841-848.	2.3	10
11	A spectral method for free surface flows of inviscid fluids. International Journal for Numerical Methods in Fluids, 1998, 28, 887-902.	1.6	6
12	Establishment of the design requirements for a flow blockage detection system through a LES analysis of the temperature fluctuation in the upper plenum. Annals of Nuclear Energy, 2006, 33, 62-70.	1.8	6
13	An experimental study of pressure drop correlations for wire-wrapped fuel assemblies. Journal of Mechanical Science and Technology, 2001, 15, 403-409.	0.4	5
14	Computation of a turbulent natural convection in a rectangular cavity with the low-reynolds-number differential stress and flux model. Journal of Mechanical Science and Technology, 2004, 18, 1782-1798.	0.4	5
15	COMPUTATION OF TURBULENT NATURAL CONVECTION IN A RECTANGULAR CAVITY WITH THE $k-\epsilon$ MODEL. Numerical Heat Transfer, Part B: Fundamentals, 2004, 45, 159-179.	0.9	5
16	Large eddy simulation of thermal striping in the upper plenum of the PGSRF. Journal of Nuclear Science and Technology, 2015, 52, 878-886.	1.3	5
17	Performance of second-moment differential stress and flux models for natural convection in an enclosure. International Communications in Heat and Mass Transfer, 2018, 99, 54-61.	5.6	5
18	Evaluation of Turbulence Models for Thermal Striping in a Triple-Jet. , 2005, , 867.		4

#	ARTICLE	IF	CITATIONS
19	Development of an Experimental Correlation for a Pressure Loss at a Side Orifice. Journal of Fluids Engineering, Transactions of the ASME, 2005, 127, 388-392.	1.5	4
20	Computation of a turbulent Rayleigh-Benard convection with the elliptic-blending second-moment closure. International Communications in Heat and Mass Transfer, 2008, 35, 817-821.	5.6	3
21	A Numerical Simulation of Thermal Striping in an Upper Plenum of a Liquid Metal Reactor. , 2004, , .		3
22	Computation of turbulent natural convection with the elliptic-blending differential and algebraic flux models. Numerical Heat Transfer, Part B: Fundamentals, 2017, 71, 37-49.	0.9	2
23	Measurement of Pressure Drop in Inclined Triangular and Rotated Triangular Tube Bundles. , 2002, , .		1
24	Computational Study of Thermal Striping in an Upper Plenum of Kalimer. Nuclear Technology, 2005, 152, 223-238.	1.2	1
25	COMPUTATION OF TURBULENT NATURAL CONVECTION IN A RECTANGULAR CAVITY WITH THE FINITE-VOLUME BASED LATTICE BOLTZMANN METHOD. Journal of Computational Fluids Engineering, 2011, 16, 39-46.	0.0	1
26	The Role of Turbulence Models for Predicting Thermal Stratification. , 2006, , .		1
27	Characteristics of ultrafine (CeO ₂) _{0.9} (Gd ₂ O ₃) _{0.1} powders prepared by the glycine-nitrate process. , 0, , .		0
28	Numerical Simulation of Thermal Stratification in the Upper Plenum of Fast Reactor. , 2013, , .		0
29	Computation of Thermal Striping in the Upper Plenum of PGSFR. , 2014, , .		0
30	Simple Nonlinear Methods for Predicting Two-Phase Instabilities in a Helically Coiled Steam Generator. , 2007, , .		0