

# Seok-Ki Choi

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Performance of second-moment differential stress and flux models for natural convection in an enclosure. <i>International Communications in Heat and Mass Transfer</i> , 2018, 99, 54-61.	5.6	5
2	Computation of turbulent natural convection with the elliptic-blending differential and algebraic flux models. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2017, 71, 37-49.	0.9	2
3	Large eddy simulation of thermal striping in the upper plenum of the PGSFR. <i>Journal of Nuclear Science and Technology</i> , 2015, 52, 878-886.	1.3	5
4	Computation of Thermal Striping in the Upper Plenum of PGSFR. , 2014, , .		0
5	Computation of the Natural Convection of Nanofluid in a Square Cavity with Homogeneous and Nonhomogeneous Models. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014, 65, 287-301.	2.1	61
6	NUMERICAL ANALYSIS OF THERMAL STRATIFICATION IN THE UPPER PLENUM OF THE MONJU FAST REACTOR. <i>Nuclear Engineering and Technology</i> , 2013, 45, 191-202.	2.3	15
7	Numerical Simulation of Thermal Stratification in the Upper Plenum of Fast Reactor. , 2013, , .		0
8	Computation of Turbulent Natural Convection in a Rectangular Cavity with the Lattice Boltzmann Method. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2012, 61, 492-504.	0.9	16
9	Turbulence modeling of natural convection in enclosures: A review. <i>Journal of Mechanical Science and Technology</i> , 2012, 26, 283-297.	1.5	45
10	Comparative Analysis of Thermal Models in the Lattice Boltzmann Method for the Simulation of Natural Convection in a Square Cavity. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2011, 60, 135-145.	0.9	30
11	COMPUTATION OF TURBULENT NATURAL CONVECTION IN A RECTANGULAR CAVITY WITH THE FINITE-VOLUME BASED LATTICE BOLTZMANN METHOD. <i>Journal of Computational Fluids Engineering</i> , 2011, 16, 39-46.	0.0	1
12	A Simple Finite-Volume Formulation of the Lattice Boltzmann Method for Laminar and Turbulent Flows. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2010, 58, 242-261.	0.9	25
13	A SIMPLE ANALYTICAL METHOD FOR NONLINEAR DENSITY WAVE TWO-PHASE INSTABILITY IN A SODIUM-HEATED AND HELICALLY COILED STEAM GENERATOR. <i>Nuclear Engineering and Technology</i> , 2009, 41, 841-848.	2.3	10
14	Computation of a turbulent Rayleigh-Benard convection with the elliptic-blending second-moment closure. <i>International Communications in Heat and Mass Transfer</i> , 2008, 35, 817-821.	5.6	3
15	Treatment of turbulent heat fluxes with the elliptic-blending second-moment closure for turbulent natural convection flows. <i>International Journal of Heat and Mass Transfer</i> , 2008, 51, 2377-2388.	4.8	20
16	Evaluation of Turbulence Models for Thermal Striping in a Triple Jet. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2007, 129, 583-592.	0.6	16
17	Simple Nonlinear Methods for Predicting Two-Phase Instabilities in a Helically Coiled Steam Generator. , 2007, , .		0
18	Establishment of the design requirements for a flow blockage detection system through a LES analysis of the temperature fluctuation in the upper plenum. <i>Annals of Nuclear Energy</i> , 2006, 33, 62-70.	1.8	6

#	ARTICLE	IF	CITATIONS
19	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
20	The Role of Turbulence Models for Predicting Thermal Stratification. , 2006, , .		1
21	Computational Study of Thermal Striping in an Upper Plenum of Kalimer. Nuclear Technology, 2005, 152, 223-238.	1.2	1
22	Evaluation of Turbulence Models for Thermal Striping in a Triple-Jet. , 2005, , 867.		4
23	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
24	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
25	COMPUTATION OF TURBULENT NATURAL CONVECTION IN A RECTANGULAR CAVITY WITH THE $k-\mu$ MODEL. Numerical Heat Transfer, Part B: Fundamentals, 2004, 45, 159-179.	0.9	5
26	A Numerical Simulation of Thermal Striping in an Upper Plenum of a Liquid Metal Reactor. , 2004, , .		3
27	Measurement of Pressure Drop in Inclined Triangular and Rotated Triangular Tube Bundles. , 2002, , .		1
28	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
29	A spectral method for free surface flows of inviscid fluids. International Journal for Numerical Methods in Fluids, 1998, 28, 887-902.	1.6	6
30	Characteristics of ultrafine (CeO <sub>2</sub> ) <sub>0.9</sub> (Gd <sub>2</sub> O <sub>3</sub> ) <sub>0.1</sub> powders prepared by the glycine-nitrate process. , 0, , .		0