Recent advances in modeling and simulation of nanoflu theory

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Citation Report

#	Article	IF	Citations
1	A local thermal non-equilibrium integral analysis for forced convective thermal boundary development in a channel filled with a fluid-saturated porous medium. International Journal of Heat and Mass Transfer, 2019, 142, 118446.	2.5	9
2	NanoRound: A benchmark study on the numerical approach in nanofluids' simulation. International Communications in Heat and Mass Transfer, 2019, 108, 104292.	2.9	49
3	Mixing process and mass transfer in a novel design of induced-charge electrokinetic micromixer with a conductive mixing-chamber. International Communications in Heat and Mass Transfer, 2019, 108, 104293.	2.9	35
4	On the thermal characteristics of a manifold microchannel heat sink subjected to nanofluid using two-phase flow simulation. International Journal of Heat and Mass Transfer, 2019, 143, 118518.	2.5	67
5	Optimizing thermophysical properties of nanofluids using response surface methodology and particle swarm optimization in a non-dominated sorting genetic algorithm. Journal of the Taiwan Institute of Chemical Engineers, 2019, 103, 7-19.	2.7	30
6	The effects of suspending Copper nanoparticles into Argon base fluid inside a microchannel under boiling flow condition by using of molecular dynamic simulation. Journal of Molecular Liquids, 2019, 293, 111474.	2.3	38
7	MHD mixed convection of nanofluid in a flexible walled inclined lid-driven L-shaped cavity under the effect of internal heat generation. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122144.	1.2	44
8	Thermo-hydraulic performance of a biological nanofluid containing graphene nanoplatelets within a tube enhanced with rotating twisted tape. Powder Technology, 2019, 355, 278-288.	2.1	28
9	Effect of sonication characteristics on stability, thermophysical properties, and heat transfer of nanofluids: A comprehensive review. Ultrasonics Sonochemistry, 2019, 58, 104701.	3.8	188
10	On the rheological properties of MWCNT-TiO2/oil hybrid nanofluid: An experimental investigation on the effects of shear rate, temperature, and solid concentration of nanoparticles. Powder Technology, 2019, 355, 157-162.	2.1	109
11	Modeling the effective thermal conductivity of nanofluids using full factorial design analysis. Heat Transfer - Asian Research, 2019, 48, 2930-2947.	2.8	1
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13	Investigation and optimization of a solar assisted heat pump driven by nanofluid-based hybrid PV. Energy Conversion and Management, 2019, 198, 111831.	4.4	27
14	Developing dissimilar artificial neural networks (ANNs) to prediction the thermal conductivity of MWCNT-TiO2/Water-ethylene glycol hybrid nanofluid. Powder Technology, 2019, 355, 602-610.	2.1	162
15	Stagnation point flow of basefluid (gasoline oil), nanomaterial (CNTs) and hybrid nanomaterial (CNTs) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.8	31
16	Natural convection in a nanofluid-filled cavity with solid particles in an inner cross shape using ISPH method. International Journal of Heat and Mass Transfer, 2019, 141, 390-406.	2.5	24
17	Graphene family nanofluids: A critical review and future research directions. Energy Conversion and Management, 2019, 196, 1222-1256.	4.4	153
18	The thermophysical properties and the stability of nanofluids containing carboxyl-functionalized graphene nano-platelets and multi-walled carbon nanotubes. International Communications in Heat and Mass Transfer, 2019, 108, 104302.	2.9	30

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21	Eccentricity effects of heat source inside a porous annulus on the natural convection heat transfer and entropy generation of Cu-water nanofluid. International Communications in Heat and Mass Transfer, 2019, 109, 104367.	2.9	73
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26	Mixed convection boundary layer flow and heat transfer over a vertical plate embedded in a porous medium filled with a suspension of nano-encapsulated phase change materials. Journal of Molecular Liquids, 2019, 293, 111432.	2.3	124
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