

# Bengt Sundén

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

387  
papers

6,353  
citations

41  
h-index

58  
g-index

428  
ext. papers

7,980  
ext. citations

3.8  
avg, IF

6.79  
L-index

#	Paper	IF	Citations
387	Effects of hybrid nanofluid mixture in plate heat exchangers. <i>Experimental Thermal and Fluid Science</i> , <b>2016</b> , 72, 190-196	3	172
386	A brief review on convection heat transfer of fluids at supercritical pressures in tubes and the recent progress. <i>Applied Energy</i> , <b>2016</b> , 162, 494-505	10.7	152
385	Pressure drop and convective heat transfer of water and nanofluids in a double-pipe helical heat exchanger. <i>Applied Thermal Engineering</i> , <b>2013</b> , 60, 266-274	5.8	119
384	An investigation of the thermo-hydraulic performance of the smooth wavy fin-and-elliptical tube heat exchangers utilizing new type vortex generators. <i>Applied Energy</i> , <b>2016</b> , 162, 1282-1302	10.7	108
383	Experimental investigation of local heat transfer in a square duct with various-shaped ribs. <i>Heat and Mass Transfer</i> , <b>2007</b> , 43, 759-766	2.2	104
382	Constructal design and thermal analysis of microchannel heat sinks with multistage bifurcations in single-phase liquid flow. <i>Applied Thermal Engineering</i> , <b>2014</b> , 62, 791-802	5.8	103
381	Pressure drop and convective heat transfer of Al <sub>2</sub> O <sub>3</sub> /water and MWCNT/water nanofluids in a chevron plate heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , <b>2015</b> , 89, 620-626	4.9	94
380	On further enhancement of single-phase and flow boiling heat transfer in micro/minichannels. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 40, 11-27	16.2	91
379	3D numerical investigation of flow and heat transfer characteristics in smooth wavy fin-and-elliptical tube heat exchangers using new type vortex generators. <i>Energy</i> , <b>2014</b> , 73, 233-257	7.9	79
378	Numerical Predictions of the Flow and Thermal Performance of Water-Cooled Single-Layer and Double-Layer Wavy Microchannel Heat Sinks. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2013</b> , 63, 201-225	2.3	76
377	Laminar thermal performance of microchannel heat sinks with constructal vertical Y-shaped bifurcation plates. <i>Applied Thermal Engineering</i> , <b>2014</b> , 73, 185-195	5.8	69
376	Gas Turbine Blade Tip Heat Transfer and Cooling: A Literature Survey. <i>Heat Transfer Engineering</i> , <b>2010</b> , 31, 527-554	1.7	68
375	Experimental Investigation of Local Heat Transfer in a Square Duct With Continuous and Truncated Ribs. <i>Experimental Heat Transfer</i> , <b>2005</b> , 18, 179-197	2.4	65
374	Mass transfer between phases in microchannels: A review. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2018</b> , 127, 213-237	3.7	64
373	VOF MODELING AND ANALYSIS OF FILMWISE CONDENSATION BETWEEN VERTICAL PARALLEL PLATES. <i>Heat Transfer Research</i> , <b>2012</b> , 43, 47-68	3.9	64
372	On mechanisms and models of multi-component gas diffusion in porous structures of fuel cell electrodes. <i>International Journal of Heat and Mass Transfer</i> , <b>2014</b> , 69, 358-374	4.9	63
371	Comparative Study of Thermal Performance of Longitudinal and Transversal-Wavy Microchannel Heat Sinks for Electronic Cooling. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , <b>2013</b> , 135,	2	62

370	Condensation and evaporation heat transfer characteristics in horizontal smooth, herringbone and enhanced surface EHT tubes. <i>International Journal of Heat and Mass Transfer</i> , <b>2015</b> , 85, 281-291	4.9	61
369	Energy saving in thermal energy systems using dimpled surface technology [A review on mechanisms and applications. <i>Applied Energy</i> , <b>2019</b> , 250, 1491-1547	10.7	60
368	Comparative Study of the Flow and Thermal Performance of Liquid-Cooling Parallel-Flow and Counter-Flow Double-Layer Wavy Microchannel Heat Sinks. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2013</b> , 64, 30-55	2.3	57
367	Forced convection and heat transfer of water-cooled microchannel heat sinks with various structured metal foams. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 113, 1043-1053	4.9	55
366	An experimental investigation of the port flow maldistribution in small and large plate package heat exchangers. <i>Applied Thermal Engineering</i> , <b>2006</b> , 26, 1919-1926	5.8	52
365	Energy analysis and multi-objective optimization of waste heat and cold energy recovery process in LNG-fueled vessels based on a triple organic Rankine cycle. <i>Energy Conversion and Management</i> , <b>2019</b> , 195, 561-572	10.6	50
364	Performance analysis of a plate heat exchanger using various nanofluids. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 158, 119993	4.9	50
363	Computational Study and Optimization of Laminar Heat Transfer and Pressure Loss of Double-Layer Microchannels for Chip Liquid Cooling. <i>Journal of Thermal Science and Engineering Applications</i> , <b>2013</b> , 5,	1.9	49
362	Analysis of parameter effects on chemical reaction coupled transport phenomena in SOFC anodes. <i>Heat and Mass Transfer</i> , <b>2009</b> , 45, 471-484	2.2	49
361	Application of ultrasound technology in the drying of food products. <i>Ultrasonics Sonochemistry</i> , <b>2020</b> , 63, 104950	8.9	48
360	Dimensionless analysis on liquid-liquid flow patterns and scaling law on slug hydrodynamics in cross-junction microchannels. <i>Chemical Engineering Journal</i> , <b>2018</b> , 344, 604-615	14.7	47
359	Pool boiling heat transfer of FC-72 on pin-fin silicon surfaces with nanoparticle deposition. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 126, 1019-1033	4.9	47
358	Numerical predictions of augmented heat transfer of an internal blade tip-wall by hemispherical dimples. <i>International Journal of Heat and Mass Transfer</i> , <b>2010</b> , 53, 5639-5650	4.9	47
357	Computational optimization of counter-flow double-layered microchannel heat sinks subjected to thermal resistance and pumping power. <i>Applied Thermal Engineering</i> , <b>2017</b> , 121, 180-189	5.8	46
356	Foam Heat Exchangers: A Technology Assessment. <i>Heat Transfer Engineering</i> , <b>2012</b> , 33, 42-51	1.7	46
355	Hydrodynamics and mass transfer in liquid-liquid non-circular microchannels: Comparison of two aspect ratios and three junction structures. <i>Chemical Engineering Journal</i> , <b>2017</b> , 322, 328-338	14.7	44
354	Numerical modeling flow and heat transfer in dimpled cooling channels with secondary hemispherical protrusions. <i>Energy</i> , <b>2015</b> , 79, 1-19	7.9	44
353	Correct interpretation of nanofluid convective heat transfer. <i>International Journal of Thermal Sciences</i> , <b>2018</b> , 129, 504-531	4.1	44

352	Experimental comparative evaluation of a graphene nanofluid coolant in miniature plate heat exchanger. <i>International Journal of Thermal Sciences</i> , <b>2018</b> , 130, 148-156	4.1	44
351	Heat transfer enhancement and turbulent flow in a high aspect ratio channel (4:1) with ribs of various truncation types and arrangements. <i>International Journal of Thermal Sciences</i> , <b>2018</b> , 123, 99-116	4.1	44
350	Computational Fluid Dynamics in Research and Design of Heat Exchangers. <i>Heat Transfer Engineering</i> , <b>2007</b> , 28, 898-910	1.7	44
349	Turbulent flow in a ribbed channel: Flow structures in the vicinity of a rib. <i>Experimental Thermal and Fluid Science</i> , <b>2010</b> , 34, 165-176	3	42
348	A review on molten-salt-based and ionic-liquid-based nanofluids for medium-to-high temperature heat transfer. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 136, 1037-1051	4.1	42
347	Review of catalyst materials and catalytic steam reforming reactions in SOFC anodes. <i>International Journal of Energy Research</i> , <b>2011</b> , 35, 1340-1350	4.5	41
346	Comparisons of Pins/Dimples/Protrusions Cooling Concepts for a Turbine Blade Tip-Wall at High Reynolds Numbers. <i>Journal of Heat Transfer</i> , <b>2011</b> , 133,	1.8	41
345	Effects of an MPL on water and thermal management in a PEMFC. <i>International Journal of Energy Research</i> , <b>2019</b> , 43, 274-296	4.5	40
344	Analysis of micro-channel heat sinks with rectangular-shaped flow obstructions. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2016</b> , 69, 335-351	2.3	39
343	A numerical study of flow structure and heat transfer in a square channel with ribs combined downstream half-size or same-size ribs. <i>Applied Thermal Engineering</i> , <b>2013</b> , 61, 289-300	5.8	39
342	Liquid-liquid flow patterns and slug hydrodynamics in square microchannels of cross-shaped junctions. <i>Chemical Engineering Science</i> , <b>2017</b> , 174, 56-66	4.4	39
341	Heat transfer distribution in rectangular ducts with V-shaped ribs. <i>Heat and Mass Transfer</i> , <b>2001</b> , 37, 315-320	3.2	39
340	Experimental investigation on convective heat transfer of ferrofluids inside a pipe under various magnet orientations. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 132, 407-419	4.9	37
339	SOFC Cell Design Optimization Using the Finite Element Method Based CFD Approach. <i>Fuel Cells</i> , <b>2014</b> , 14, 177-188	2.9	36
338	Numerical Analysis of Constructal Water-Cooled Microchannel Heat Sinks with Multiple Bifurcations in the Entrance Region. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2015</b> , 67, 632-650	2.3	35
337	Analysis of Flow and Thermal Performance of a Water-Cooled Transversal Wavy Microchannel Heat Sink for Chip Cooling. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , <b>2012</b> , 134,	2	35
336	PIV measurement of the flow field in rectangular ducts with 60° parallel, crossed and V-shaped ribs. <i>Experimental Thermal and Fluid Science</i> , <b>2004</b> , 28, 639-653	3	35
335	Comparison and Analysis of Heat Transfer in Aluminum Foam Using Local Thermal Equilibrium or Nonequilibrium Model. <i>Heat Transfer Engineering</i> , <b>2016</b> , 37, 314-322	1.7	34

334	Effects of vortex generators on the jet impingement heat transfer at different cross-flow Reynolds numbers. <i>International Journal of Heat and Mass Transfer</i> , <b>2016</b> , 96, 278-286	4.9	34
333	Effects of gas diffusion layer deformation on the transport phenomena and performance of PEM fuel cells with interdigitated flow fields. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 16279-16292	6.7	34
332	Influence of phase change on self-pressurization in cryogenic tanks under microgravity. <i>Applied Thermal Engineering</i> , <b>2015</b> , 87, 225-233	5.8	34
331	Convective Condensation Inside Horizontal Smooth and Microfin Tubes. <i>Journal of Heat Transfer</i> , <b>2014</b> , 136,	1.8	34
330	The contact angle of nanofluids as thermophysical property. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 547, 393-406	9.3	33
329	Aqueous carbon nanotube nanofluids and their thermal performance in a helical heat exchanger. <i>Applied Thermal Engineering</i> , <b>2016</b> , 96, 364-371	5.8	33
328	On the solar receiver thermal enhancement by using the dimple combined with delta winglet vortex generator. <i>Applied Thermal Engineering</i> , <b>2017</b> , 111, 586-598	5.8	33
327	Flow structure and heat transfer in a square passage with offset mid-truncated ribs. <i>International Journal of Heat and Mass Transfer</i> , <b>2014</b> , 71, 44-56	4.9	32
326	Evaluation of Approaches for Modeling Temperature Wave Propagation in District Heating Pipelines. <i>Heat Transfer Engineering</i> , <b>2008</b> , 29, 45-56	1.7	32
325	Thermal enhancement by using grooves and ribs combined with delta-winglet vortex generator in a solar receiver heat exchanger. <i>Applied Energy</i> , <b>2016</b> , 183, 1317-1332	10.7	32
324	A novel control of jet impingement heat transfer in cross-flow by a vortex generator pair. <i>International Journal of Heat and Mass Transfer</i> , <b>2015</b> , 88, 82-90	4.9	31
323	Medium-term heat load prediction for an existing residential building based on a wireless on-off control system. <i>Energy</i> , <b>2018</b> , 152, 709-718	7.9	31
322	Compress effects on porosity, gas-phase tortuosity, and gas permeability in a simulated PEM gas diffusion layer. <i>International Journal of Energy Research</i> , <b>2015</b> , 39, 1528-1536	4.5	31
321	Saturated pool boiling heat transfer of acetone and HFE-7200 on modified surfaces by electrophoretic and electrochemical deposition. <i>Applied Energy</i> , <b>2019</b> , 249, 286-299	10.7	29
320	Control of jet impingement heat transfer in crossflow by using a rib. <i>International Journal of Heat and Mass Transfer</i> , <b>2011</b> , 54, 4157-4166	4.9	29
319	A novel optimization framework for designing multi-stream compact heat exchangers and associated network. <i>Applied Thermal Engineering</i> , <b>2017</b> , 116, 110-125	5.8	28
318	Heat transfer and friction factor performance in a pin fin wedge duct with different dimple arrangements. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2016</b> , 69, 209-226	2.3	27
317	Comparative evaluations of thermofluidic characteristics of sandwich panels with X-lattice and Pyramidal-lattice cores. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 127, 268-282	4.9	27

316	Heat transfer and pressure drop in a smooth and ribbed turn region of a two-pass channel. <i>Applied Thermal Engineering</i> , <b>2015</b> , 85, 225-233	5.8	27
315	CFD Simulation of Heat Transfer and Pressure Drop in Compact Brazed Plate Heat Exchangers. <i>Heat Transfer Engineering</i> , <b>2014</b> , 35, 358-366	1.7	27
314	A performance analysis of porous graphite foam heat exchangers in vehicles. <i>Applied Thermal Engineering</i> , <b>2013</b> , 50, 1201-1210	5.8	27
313	Influence of anisotropic gas diffusion layers on transport phenomena in a proton exchange membrane fuel cell. <i>International Journal of Energy Research</i> , <b>2017</b> , 41, 2034-2050	4.5	26
312	Influence of wall ribs on the thermal stratification and self-pressurization in a cryogenic liquid tank. <i>Applied Thermal Engineering</i> , <b>2014</b> , 73, 1421-1431	5.8	25
311	Flow patterns and slug scaling of liquid-liquid flow in square microchannels. <i>International Journal of Multiphase Flow</i> , <b>2019</b> , 112, 27-39	3.6	25
310	Pool boiling heat transfer of N-pentane on micro/nanostructured surfaces. <i>International Journal of Thermal Sciences</i> , <b>2018</b> , 130, 386-394	4.1	25
309	The effect of the size of square microchannels on hydrodynamics and mass transfer during liquid-liquid slug flow. <i>AIChE Journal</i> , <b>2017</b> , 63, 5019-5028	3.6	24
308	Three-dimensional modeling and investigation of high temperature proton exchange membrane fuel cells with metal foams as flow distributor. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 27323-27333	6.7	24
307	On electric resistance effects of non-homogeneous GDL deformation in a PEM fuel cell. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 28537-28548	6.7	24
306	Modeling Analysis of Different Renewable Fuels in an Anode Supported SOFC. <i>Journal of Fuel Cell Science and Technology</i> , <b>2011</b> , 8,		24
305	Experimental Investigation on Port-to-Channel Flow Maldistribution in Plate Heat Exchangers. <i>Heat Transfer Engineering</i> , <b>2007</b> , 28, 435-443	1.7	24
304	Thermal and Hydraulic Performance of a Rectangular Duct With Multiple V-Shaped Ribs. <i>Journal of Heat Transfer</i> , <b>1998</b> , 120, 1072-1077	1.8	24
303	Pool boiling of HFE-7200 on nanoparticle-coating surfaces: Experiments and heat transfer analysis. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 133, 548-560	4.9	24
302	Analysis of slab heating characteristics in a reheating furnace. <i>Energy Conversion and Management</i> , <b>2017</b> , 149, 928-936	10.6	23
301	A comprehensive review on liquid-liquid two-phase flow in microchannel: flow pattern and mass transfer. <i>Microfluidics and Nanofluidics</i> , <b>2019</b> , 23, 1	2.8	23
300	Numerical investigation of heat transfer and fluid flow in a rotating rectangular channel with variously-shaped discrete ribs. <i>Applied Thermal Engineering</i> , <b>2018</b> , 129, 1369-1381	5.8	23
299	A Parametric Study of Hydrodynamic Cavitation Inside Globe Valves. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2018</b> , 140,	2.1	23



298	Computational analysis of the influences of guide ribs/vanes on enhanced heat transfer of a turbine blade tip-wall. <i>International Journal of Thermal Sciences</i> , <b>2012</b> , 51, 184-194	4.1	23
297	Multi-objective optimization of a solar receiver considering both the dimple/protrusion depth and delta-winglet vortex generators. <i>Energy</i> , <b>2017</b> , 137, 1-19	7.9	22
296	Predictions of Enhanced Heat Transfer of an Internal Blade Tip-Wall With Hemispherical Dimples or Protrusions. <i>Journal of Turbomachinery</i> , <b>2011</b> , 133,	1.8	22
295	Effect of various surfactants on stability and thermophysical properties of nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 4057-4070	4.1	22
294	A Numerical Study of the Thermal Performance of Microchannel Heat Sinks with Multiple Length Bifurcation in Laminar Liquid Flow. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2014</b> , 65, 107-126	2.3	21
293	Numerical Simulation of Laminar Film Condensation in a Horizontal Minutube with and Without Non-Condensable Gas by the VOF Method. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2015</b> , 68, 958-977	2.3	20
292	Heat Transfer Correlations for Single-Phase Flow, Condensation, and Boiling in Microfin Tubes. <i>Heat Transfer Engineering</i> , <b>2015</b> , 36, 582-595	1.7	20
291	Effects of agglomerate model parameters on transport characterization and performance of PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 8451-8463	6.7	20
290	Entropy generation analysis of fully-developed turbulent heat transfer flow in inward helically corrugated tubes. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2018</b> , 73, 788-805	2.3	20
289	Numerical Analysis of Flow and Thermal Performance of Liquid-Cooling Microchannel Heat Sinks with Bifurcation. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2013</b> , 64, 902-919	2.3	20
288	CFD analysis of two types of welded plate heat exchangers. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2017</b> , 71, 250-269	2.3	19
287	Heat transfer prediction and critical heat flux mechanism for pool boiling of NOVEC-649 on microporous copper surfaces. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 141, 818-834	4.9	19
286	Computational Analysis of Pin-Fin Arrays Effects on Internal Heat Transfer Enhancement of a Blade Tip Wall. <i>Journal of Heat Transfer</i> , <b>2010</b> , 132,	1.8	19
285	Enhanced Internal Heat Transfer on the Tip-Wall in a Rectangular Two-Pass Channel (AR = 1:2) by Pin-Fin Arrays. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2009</b> , 55, 739-761	2.3	19
284	Employment of second-moment closure for calculation of turbulent recirculating flows in complex geometries with collocated variable arrangement. <i>International Journal for Numerical Methods in Fluids</i> , <b>1993</b> , 16, 525-544	1.9	19
283	Correlations for prediction of the bubble departure radius on smooth flat surface during nucleate pool boiling. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 132, 699-714	4.9	19
282	Experimental investigation on heat transfer characteristics of various nanofluids in an indoor electric heater. <i>Renewable Energy</i> , <b>2020</b> , 147, 1011-1018	8.1	19
281	A three dimensional multiphysics model of a solid oxide electrochemical cell: A tool for understanding degradation. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 11913-11931	6.7	19

280	Constructal Parallel-Flow and Counterflow Microchannel Heat Sinks with Bifurcations. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2015</b> , 68, 1087-1105	2.3	18
279	Analyses of thermal performance and pressure drop in a plate heat exchanger filled with ferrofluids under a magnetic field. <i>Fuel</i> , <b>2021</b> , 293, 120432	7.1	18
278	Experimental investigation of the effect of variously-shaped ribs on local heat transfer on the outer wall of the turning portion of a U-channel inside solar air heater. <i>Heat and Mass Transfer</i> , <b>2016</b> , 52, 539-546	2.2	17
277	Investigation of effects of non-homogenous deformation of gas diffusion layer in a PEM fuel cell. <i>International Journal of Energy Research</i> , <b>2017</b> , 41, 2121-2137	4.5	17
276	Heat transfer and flow structure in a detached latticework duct. <i>Applied Thermal Engineering</i> , <b>2019</b> , 155, 24-39	5.8	17
275	Influence of the upstream slot geometry on the endwall cooling and phantom cooling of vane suction side surface. <i>Applied Thermal Engineering</i> , <b>2017</b> , 121, 688-700	5.8	17
274	Heat transfer and MHD flow of non-newtonian Maxwell fluid through a parallel plate channel: analytical and numerical solution. <i>Mechanical Sciences</i> , <b>2018</b> , 9, 61-70	1.3	17
273	Influences of a multi-cavity tip on the blade tip and the over tip casing aerothermal performance in a high pressure turbine cascade. <i>Applied Thermal Engineering</i> , <b>2019</b> , 147, 347-360	5.8	17
272	Localized carbon deposition in solid oxide electrolysis cells studied by multiphysics modeling. <i>Journal of Power Sources</i> , <b>2018</b> , 394, 102-113	8.9	17
271	Numerical investigation of entropy generation of turbulent flow in a novel outward corrugated tube. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 126, 836-847	4.9	16
270	Effects of the mainstream turbulence intensity and slot injection angle on the endwall cooling and phantom cooling of the vane suction side surface. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 112, 427-440	4.9	16
269	Constructal Theory Based Geometric Optimization of Wavy Channels in the Low Reynolds Number Regime. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , <b>2014</b> , 136,	2	16
268	Simulation of alternative fuels for potential utilization in solid oxide fuel cells. <i>International Journal of Energy Research</i> , <b>2011</b> , 35, 1107-1117	4.5	16
267	DYNAMIC TEMPERATURE SIMULATION IN DISTRICT HEATING SYSTEMS IN DENMARK REGARDING PRONOUNCED TRANSIENT BEHAVIOUR / DANIJOS ILUMOS TIEKIMO SISTEMŲ MODELIAVIMAS, NERTINANT NESTACIONARIŲ TEMPERATŪROS PASISKIRSTYMŲ INKLE. <i>Journal of Civil Engineering and Management</i> , <b>2011</b> , 17, 59-67	3	16
266	Review on the Properties of Nano-/Microstructures in the Catalyst Layer of PEMFC. <i>Journal of Fuel Cell Science and Technology</i> , <b>2011</b> , 8,		16
265	Experimental investigation of heat transfer performance of a heat pipe combined with thermal energy storage materials of CuO-paraffin nanocomposites. <i>Solar Energy</i> , <b>2020</b> , 211, 928-937	6.8	16
264	Thermo-Hydraulic Performance Enhancement of Finned Elliptical Tube Heat Exchangers by Utilizing Innovative Dimple Turbulators. <i>Heat Transfer Engineering</i> , <b>2020</b> , 41, 1117-1142	1.7	16
263	Continuum scale modelling and complementary experimentation of solid oxide cells. <i>Progress in Energy and Combustion Science</i> , <b>2021</b> , 85, 100902	33.6	16



262	Heat transfer in the trailing region of gas turbines DA state-of-the-art review. <i>Applied Thermal Engineering</i> , <b>2021</b> , 199, 117614	5.8	16
261	Modeling of inhomogeneous compression effects of porous GDL on transport phenomena and performance in PEM fuel cells. <i>International Journal of Energy Research</i> , <b>2017</b> , 41, 985-1003	4.5	15
260	Improved modeling of heat transfer in dropwise condensation. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 155, 119719	4.9	15
259	On neural network modeling to maximize the power output of PEMFCs. <i>Electrochimica Acta</i> , <b>2020</b> , 348, 136345	6.7	15
258	Effects of deposition height and width on film cooling. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2016</b> , 70, 673-687	2.3	15
257	Numerical study on thermal performance of non-uniform flow channel designs for cooling plates of PEM fuel cells. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2018</b> , 74, 917-930	2.3	15
256	Computational Fluid Dynamics Modeling Flow Field and Side-Wall Heat Transfer in Rectangular Rib-Roughened Passages. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , <b>2013</b> , 135,	2.6	15
255	Process Based Large Scale Molecular Dynamic Simulation of a Fuel Cell Catalyst Layer. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, B251-B258	3.9	15
254	COMPUTATIONAL INVESTIGATION OF DIMPLE EFFECTS ON HEAT TRANSFER AND FRICTION FACTOR IN A LAMILLOY COOLING STRUCTURE. <i>Journal of Enhanced Heat Transfer</i> , <b>2015</b> , 22, 147-175	1.7	15
253	Liquid-liquid two-phase flow patterns in ultra-shallow straight and serpentine microchannels. <i>Heat and Mass Transfer</i> , <b>2019</b> , 55, 1095-1108	2.2	15
252	Turbulent heat transfer characteristics of supercritical n-decane in a vertical tube under various operating pressures. <i>International Journal of Energy Research</i> , <b>2019</b> , 43, 4652-4669	4.5	14
251	Analysis of a hybrid control scheme in the district heating system with distributed variable speed pumps. <i>Sustainable Cities and Society</i> , <b>2019</b> , 48, 101591	10.1	14
250	The Behavior of Turbulent Heat Transfer Deterioration in Supercritical Hydrocarbon Fuel Flow Considering Thermal Resistance Distribution. <i>International Journal of Thermal Sciences</i> , <b>2019</b> , 141, 19-32	4.1	14
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108	On Ice Accretion for Wind Turbines and Influence of Some Parameters. <i>WIT Transactions on State-of-the-art in Science and Engineering</i> , <b>2014</b> , 129-159		4
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