

Teck Neng Wong

List of Publications by Year in descending order

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Version: 2024-02-01

138
papers

3,297
citations

117571

34
h-index

189801

50
g-index

138
all docs

138
docs citations

138
times ranked

2504
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Experimental Study of Flow Boiling and Condensation in Tubes with Pin-Fin and Metallic Foam Structures. <i>Heat Transfer Engineering</i> , 2022, 43, 991-1007. | 1.2 | 2 |
| 2 | Two-phase spray cooling for high ambient temperature data centers: Evaluation of system performance. <i>Applied Energy</i> , 2022, 305, 117816. | 5.1 | 36 |
| 3 | Experimental study on heat transfer enhancement using combined surface roughening and macro-structures in a confined double-nozzle spray cooling system. <i>Applied Thermal Engineering</i> , 2022, 202, 117850. | 3.0 | 16 |
| 4 | Tunable and Robust Nanostructuring for Multifunctional Metal Additively Manufactured Interfaces. <i>Nano Letters</i> , 2022, 22, 2650-2659. | 4.5 | 10 |
| 5 | Dynamics of alternating current electric field assisted Non-Newtonian droplet formation with geometry confinement. <i>Electrophoresis</i> , 2022, , . | 1.3 | 0 |
| 6 | Comprehensive investigations on printability and thermal performance of cementitious material incorporated with PCM under various conditions. <i>Energy Conversion and Management</i> , 2022, 261, 115667. | 4.4 | 9 |
| 7 | Ultrascaleable Surface Structuring Strategy of Metal Additively Manufactured Materials for Enhanced Condensation. <i>Advanced Science</i> , 2022, 9, . | 5.6 | 8 |
| 8 | Critical conditions for organic thread cutting under electric fields. <i>Soft Matter</i> , 2021, 17, 2913-2919. | 1.2 | 2 |
| 9 | Synchronized concrete and bonding agent deposition system for interlayer bond strength enhancement in 3D concrete printing. <i>Automation in Construction</i> , 2021, 123, 103546. | 4.8 | 26 |
| 10 | Effect of printing parameters on material distribution in spray-based 3D concrete printing (S-3DCP). <i>Automation in Construction</i> , 2021, 124, 103570. | 4.8 | 27 |
| 11 | Comparative study on the enhancement of spray cooling heat transfer using conventional and bio-surfactants. <i>Applied Thermal Engineering</i> , 2021, 194, 117047. | 3.0 | 19 |
| 12 | Non-monotonic dependence of induced-charge electro-osmosis on ion concentration. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 622, 126604. | 2.3 | 3 |
| 13 | Influence of air on heat transfer of a closed-loop spray cooling system. <i>Experimental Thermal and Fluid Science</i> , 2020, 111, 109903. | 1.5 | 18 |
| 14 | Laminar film condensation inside and outside vertical diverging/converging small channels: A theoretical study. <i>International Journal of Heat and Mass Transfer</i> , 2020, 149, 119193. | 2.5 | 12 |
| 15 | Convective filmwise condensation on the outer surface of a vertical tube: A theoretical analysis. <i>International Journal of Heat and Mass Transfer</i> , 2020, 161, 120266. | 2.5 | 6 |
| 16 | Study of MgO-activated slag as a cementless material for sustainable spray-based 3D printing. <i>Journal of Cleaner Production</i> , 2020, 258, 120671. | 4.6 | 36 |
| 17 | Enabling seamless investigation of fast and complex flow fields in microfluidics via metal lead halide perovskite based micro-particles. <i>Applied Materials Today</i> , 2020, 20, 100736. | 2.3 | 0 |
| 18 | Improving surface finish quality in extrusion-based 3D concrete printing using machine learning-based extrudate geometry control. <i>Virtual and Physical Prototyping</i> , 2020, 15, 178-193. | 5.3 | 46 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Dynamics of droplet in flow-focusing microchannel under AC electric fields. <i>International Journal of Multiphase Flow</i> , 2020, 125, 103212. | 1.6 | 9 |
| 20 | Rotation nozzle and numerical simulation of mass distribution at corners in 3D cementitious material printing. <i>Additive Manufacturing</i> , 2020, 34, 101190. | 1.7 | 9 |
| 21 | Modelling and parameter optimization for filament deformation in 3D cementitious material printing using support vector machine. <i>Composites Part B: Engineering</i> , 2020, 193, 108018. | 5.9 | 36 |
| 22 | Recent advancement in induced-charge electrokinetic phenomena and their micro- and nano-fluidic applications. <i>Advances in Colloid and Interface Science</i> , 2020, 280, 102159. | 7.0 | 21 |
| 23 | Comparative economic, environmental and productivity assessment of a concrete bathroom unit fabricated through 3D printing and a precast approach. <i>Journal of Cleaner Production</i> , 2020, 261, 121245. | 4.6 | 116 |
| 24 | Net fluid flow and non-Newtonian effect in induced-charge electro-osmosis of polyelectrolyte solutions. <i>Physical Review E</i> , 2019, 100, 013105. | 0.8 | 11 |
| 25 | Numerical investigation on the heat transfer characteristics of liquid-liquid plug-train in microchannels. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 143, 107592. | 1.8 | 1 |
| 26 | Rapid Synthesis of Sulfur Nanodots by One-Step Hydrothermal Reaction for Luminescence-Based Applications. <i>ACS Applied Nano Materials</i> , 2019, 2, 6622-6628. | 2.4 | 76 |
| 27 | Electric Scissors for Precise Generation of Organic Droplets in Microfluidics: A Universal Approach that Goes beyond Surface Wettability. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25643-25650. | 1.5 | 11 |
| 28 | Precise morphology control and fast merging of a complex multi-emulsion system: the effects of AC electric fields. <i>Soft Matter</i> , 2019, 15, 5614-5625. | 1.2 | 10 |
| 29 | Investigation of heat transfer in a microchannel with same heat capacity rate. <i>Heat and Mass Transfer</i> , 2019, 55, 899-909. | 1.2 | 2 |
| 30 | Slow viscous flow of two porous spherical particles translating along the axis of a cylinder. <i>Journal of Fluid Mechanics</i> , 2019, 861, 643-678. | 1.4 | 4 |
| 31 | Filmwise condensation of steam on sinusoidal pin fin arrays: Effects of fin height and fin pitch. <i>International Journal of Heat and Mass Transfer</i> , 2019, 130, 1004-1015. | 2.5 | 19 |
| 32 | Experimental and numerical investigation on a simple droplet coalescence design in microchannels. <i>Heat and Mass Transfer</i> , 2019, 55, 1553-1562. | 1.2 | 3 |
| 33 | Mixture Design Approach to optimize the rheological properties of the material used in 3D cementitious material printing. <i>Construction and Building Materials</i> , 2019, 198, 245-255. | 3.2 | 102 |
| 34 | Magnetic Nanorobots, Generating Vortexes Inside Nanoliter Droplets for Effective Mixing. <i>Advanced Materials Technologies</i> , 2018, 3, 1700312. | 3.0 | 32 |
| 35 | Absolute instability induced by Marangoni effect in thin liquid film flows on vertical cylindrical surfaces. <i>Chemical Engineering Science</i> , 2018, 177, 261-269. | 1.9 | 26 |
| 36 | The Effects of Oil Property and Inclination Angle on Oil-Water Core Annular Flow Through U-Bends. <i>Heat Transfer Engineering</i> , 2018, 39, 536-548. | 1.2 | 8 |

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|----|--|-----|-----------|
| 37 | Simulation of non-Newtonian oil-water core annular flow through return bends. Heat and Mass Transfer, 2018, 54, 37-48. | 1.2 | 10 |
| 38 | Spray cooling enhancement studies using dielectric liquid. , 2018, , . | | 1 |
| 39 | Towards Additive Manufacturing: Pumping Flow Rate with Time-Dependent Material Rheology in 3D Cementitious Material Printing. Materials Science Forum, 2018, 941, 2131-2136. | 0.3 | 1 |
| 40 | Induced-charge electro-osmosis in dielectric annuli. Applied Mathematics and Computation, 2018, 333, 133-144. | 1.4 | 5 |
| 41 | Condensation heat transfer and pressure drop characteristics of R-134a in horizontal smooth tubes and enhanced tubes fabricated by selective laser melting. International Journal of Heat and Mass Transfer, 2018, 126, 949-962. | 2.5 | 23 |
| 42 | Three-dimensional dynamics of thin liquid films on vertical cylinders with Marangoni effect. Physics of Fluids, 2017, 29, . | 1.6 | 43 |
| 43 | Convective heat transfer performance of airfoil heat sinks fabricated by selective laser melting. International Journal of Thermal Sciences, 2017, 114, 213-228. | 2.6 | 69 |
| 44 | Electrolyte effect in induced charge electroosmosis. Soft Matter, 2017, 13, 4864-4870. | 1.2 | 22 |
| 45 | A simple method for the formation of water-in-oil-in-water (W/O/W) double emulsions. Microfluidics and Nanofluidics, 2017, 21, 1. | 1.0 | 16 |
| 46 | Electrophoresis of a Cylinder in a Cylindrical Tube. Communications in Computational Physics, 2017, 22, 1101-1122. | 0.7 | 1 |
| 47 | Slow viscous flow around two particles in a cylinder. Microfluidics and Nanofluidics, 2017, 21, 1. | 1.0 | 5 |
| 48 | Numerical analysis of different fluted fins for condensation on a vertical tube. International Journal of Thermal Sciences, 2017, 122, 359-370. | 2.6 | 19 |
| 49 | Pressure drop, void fraction and wave behavior in two-phase non-Newtonian churn flow. Chemical Engineering Science, 2017, 174, 82-92. | 1.9 | 6 |
| 50 | Fast Dynamic Visualizations in Microfluidics Enabled by Fluorescent Carbon Nanodots. Small, 2017, 13, 1700869. | 5.2 | 14 |
| 51 | AC electric field controlled non-Newtonian filament thinning and droplet formation on the microscale. Lab on A Chip, 2017, 17, 2969-2981. | 3.1 | 30 |
| 52 | Self-trapped exciton emission from carbon dots investigated by polarization anisotropy of photoluminescence and photoexcitation. Nanoscale, 2017, 9, 12637-12646. | 2.8 | 49 |
| 53 | Chaotic micromixer utilizing electro-osmosis and induced charge electro-osmosis in eccentric annulus. Physics of Fluids, 2016, 28, . | 1.6 | 32 |
| 54 | Modelling on the dynamics of droplet impingement and bubble boiling in spray cooling. International Journal of Thermal Sciences, 2016, 104, 469-479. | 2.6 | 15 |

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|----|--|-----|-----------|
| 55 | Fabrication of heat sinks by Selective Laser Melting for convective heat transfer applications. <i>Virtual and Physical Prototyping</i> , 2016, 11, 159-165. | 5.3 | 56 |
| 56 | Pair interactions between conducting and non-conducting cylinders under uniform electric field. <i>Chemical Engineering Science</i> , 2016, 142, 12-22. | 1.9 | 10 |
| 57 | Induced charge electrophoresis of a conducting cylinder in a nonconducting cylindrical pore and its micromotoring application. <i>Physical Review Fluids</i> , 2016, 1, . | 1.0 | 13 |
| 58 | 10.1063/1.4952971.1. , 2016, , . | | 0 |
| 59 | Electric Field Enhances Mixing in Micro Circular Pipes. <i>Procedia Engineering</i> , 2015, 126, 39-43. | 1.2 | 0 |
| 60 | Falling liquid films on a slippery substrate with Marangoni effects. <i>International Journal of Heat and Mass Transfer</i> , 2015, 90, 689-701. | 2.5 | 32 |
| 61 | Pair interactions in induced charge electrophoresis of conducting cylinders. <i>International Journal of Heat and Mass Transfer</i> , 2015, 88, 674-683. | 2.5 | 15 |
| 62 | Electrohydrodynamic instability of miscible core-annular flows with electrical conductivity stratification. <i>Journal of Fluid Mechanics</i> , 2015, 764, 488-512. | 1.4 | 4 |
| 63 | Three dimensional features of convective heat transfer in droplet-based microchannel heat sinks. <i>International Journal of Heat and Mass Transfer</i> , 2015, 86, 455-464. | 2.5 | 34 |
| 64 | Acoustofluidic control of bubble size in microfluidic flow-focusing configuration. <i>Lab on A Chip</i> , 2015, 15, 996-999. | 3.1 | 33 |
| 65 | Low-frequency acoustic atomization with oscillatory flow around micropillars in a microfluidic device. <i>Applied Physics Letters</i> , 2014, 105, . | 1.5 | 4 |
| 66 | Electrohydrodynamic instability in an annular liquid layer with radial conductivity gradients. <i>Physical Review E</i> , 2014, 89, 033010. | 0.8 | 7 |
| 67 | Dynamics of liquid films on vertical fibres in a radial electric field. <i>Journal of Fluid Mechanics</i> , 2014, 752, 66-89. | 1.4 | 19 |
| 68 | Flow Bifurcation in Microchannel. , 2014, , 1-13. | | 0 |
| 69 | Two immiscible layers of electro-osmotic driven flow with a layer of conducting non-Newtonian fluid. <i>International Journal of Heat and Mass Transfer</i> , 2014, 74, 368-375. | 2.5 | 41 |
| 70 | Non-Newtonian two-phase stratified flow with curved interface through horizontal and inclined pipes. <i>International Journal of Heat and Mass Transfer</i> , 2014, 74, 113-120. | 2.5 | 10 |
| 71 | Thermal effects on a pressure swirl nozzle in spray cooling. <i>International Journal of Heat and Mass Transfer</i> , 2014, 73, 130-140. | 2.5 | 39 |
| 72 | Multi-nozzle array spray cooling for large area high power devices in a closed loop system. <i>International Journal of Heat and Mass Transfer</i> , 2014, 78, 1177-1186. | 2.5 | 41 |

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|----|--|-----|-----------|
| 73 | Droplet manipulation in a microfluidic chamber with acoustic radiation pressure and acoustic streaming. <i>Soft Matter</i> , 2014, 10, 8122-8132. | 1.2 | 22 |
| 74 | Asymmetric heat transfer in liquid-liquid segmented flow in microchannels. <i>International Journal of Heat and Mass Transfer</i> , 2014, 77, 385-394. | 2.5 | 4 |
| 75 | Numerical Simulation of Unidirectional Stratified Flow by Moving Particle Semi Implicit Method. <i>Communications in Computational Physics</i> , 2014, 15, 756-775. | 0.7 | 0 |
| 76 | Non-Newtonian Liquid-Gas Non-Uniform Stratified Flow With Interfacial Level Gradient Through Horizontal Tubes. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2014, 136, . | 0.8 | 1 |
| 77 | Electrokinetic Two-Phase Flows. , 2014, , 1-12. | | 0 |
| 78 | Large area impingement spray cooling from multiple normal and inclined spray nozzles. <i>Heat and Mass Transfer</i> , 2013, 49, 985-990. | 1.2 | 16 |
| 79 | Multi-nozzle spray cooling for high heat flux applications in a closed loop system. <i>Applied Thermal Engineering</i> , 2013, 54, 372-379. | 3.0 | 62 |
| 80 | Heat transfer in plug flow in cylindrical microcapillaries with constant surface heat flux. <i>International Journal of Thermal Sciences</i> , 2013, 64, 204-212. | 2.6 | 24 |
| 81 | A simple model for predicting the pressure drop and film thickness of non-Newtonian annular flows in horizontal pipes. <i>Chemical Engineering Science</i> , 2013, 102, 121-128. | 1.9 | 11 |
| 82 | Stability of a localized heated falling film with insoluble surfactants. <i>International Journal of Heat and Mass Transfer</i> , 2013, 67, 627-636. | 2.5 | 8 |
| 83 | Characterization of spray atomization and heat transfer of pressure swirl nozzles. <i>International Journal of Thermal Sciences</i> , 2013, 68, 94-102. | 2.6 | 60 |
| 84 | Study of heat transfer enhancement for structured surfaces in spray cooling. <i>Applied Thermal Engineering</i> , 2013, 59, 464-472. | 3.0 | 89 |
| 85 | Stability of two immiscible leaky-dielectric liquids subjected to a radial electric field in an annulus duct. <i>Physics of Fluids</i> , 2013, 25, . | 1.6 | 8 |
| 86 | Viscous liquid films on a porous vertical cylinder: Dynamics and stability. <i>Physics of Fluids</i> , 2013, 25, . | 1.6 | 17 |
| 87 | Temperature-induced droplet coalescence in microchannels. <i>Biomicrofluidics</i> , 2012, 6, 012811. | 1.2 | 22 |
| 88 | Instability of pressure driven viscous fluid streams in a microchannel under a normal electric field. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 6994-7004. | 2.5 | 9 |
| 89 | An electrokinetically tunable optofluidic bi-concave lens. <i>Lab on A Chip</i> , 2012, 12, 3680. | 3.1 | 14 |
| 90 | Thin liquid film flow and heat transfer under spray impingement. <i>Applied Thermal Engineering</i> , 2012, 48, 342-348. | 3.0 | 31 |

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|-----|---|-----|-----------|
| 91 | Formation and breakup of compound pendant drops at the tip of a capillary and its effect on upstream velocity fluctuations. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 1022-1029. | 2.5 | 6 |
| 92 | Heat transfer enhancement by recirculating flow within liquid plugs in microchannels. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 1947-1956. | 2.5 | 44 |
| 93 | Numerical modeling of tunable optofluidics lens based on combined effect of hydrodynamics and electroosmosis. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 2647-2655. | 2.5 | 3 |
| 94 | Analytical model of plug flow in microchannels. , 2011, , . | | 0 |
| 95 | An analytical model for plug flow in microcapillaries with circular cross section. <i>International Journal of Heat and Fluid Flow</i> , 2011, 32, 1005-1013. | 1.1 | 17 |
| 96 | Numerical investigation of upstream pressure fluctuation during growth and breakup of pendant drops. <i>Chemical Engineering Science</i> , 2011, 66, 5293-5300. | 1.9 | 13 |
| 97 | Microfluidic switch based on combined effect of hydrodynamics and electroosmosis. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 965-976. | 1.0 | 13 |
| 98 | A tunable optofluidic lens based on combined effect of hydrodynamics and electroosmosis. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 1033-1043. | 1.0 | 10 |
| 99 | An investigation on the mechanism of droplet formation in a microfluidic T-junction. <i>Microfluidics and Nanofluidics</i> , 2011, 11, 1-10. | 1.0 | 90 |
| 100 | Experimental and numerical investigation of thermal chaotic mixing in a T-shaped microchannel. <i>Heat and Mass Transfer</i> , 2011, 47, 1331-1339. | 1.2 | 8 |
| 101 | Analysis of chaotic mixing in plugs moving in meandering microchannels. <i>Physical Review E</i> , 2011, 84, 066309. | 0.8 | 25 |
| 102 | Hydrodynamically mediated breakup of droplets in microchannels. <i>Applied Physics Letters</i> , 2011, 98, 054102. | 1.5 | 19 |
| 103 | Electrohydrodynamic and Shear-Stress Interfacial Instability of Two Streaming Viscous Liquid Inside a Microchannel for Normal Electric Fields. , 2011, , . | | 0 |
| 104 | Reliable addition of reagents into microfluidic droplets. <i>Microfluidics and Nanofluidics</i> , 2010, 8, 409-416. | 1.0 | 34 |
| 105 | Experimental study of impingement spray cooling for high power devices. <i>Applied Thermal Engineering</i> , 2010, 30, 1225-1230. | 3.0 | 69 |
| 106 | Time-dependent model of mixed electroosmotic/pressure-driven three immiscible fluids in a rectangular microchannel. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 772-785. | 2.5 | 35 |
| 107 | An analytical model for a liquid plug moving in curved microchannels. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 1977-1985. | 2.5 | 15 |
| 108 | A simple method for evaluating and predicting chaotic advection in microfluidic slugs. <i>Chemical Engineering Science</i> , 2010, 65, 5382-5391. | 1.9 | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Thermal mixing of two miscible fluids in a T-shaped microchannel. <i>Biomicrofluidics</i> , 2010, 4, 44102. | 1.2 | 55 |
| 110 | Microfluidic on-chip fluorescence-activated interface control system. <i>Biomicrofluidics</i> , 2010, 4, 044109. | 1.2 | 5 |
| 111 | Thermally mediated control of liquid microdroplets at a bifurcation. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 065503. | 1.3 | 71 |
| 112 | Microdroplet formation of water and nanofluids in heat-induced microfluidic T-junction. <i>Microfluidics and Nanofluidics</i> , 2009, 6, 253-259. | 1.0 | 64 |
| 113 | Electroosmotic control of width and position of liquid streams in hydrodynamic focusing. <i>Microfluidics and Nanofluidics</i> , 2009, 7, 489-497. | 1.0 | 10 |
| 114 | Analytical model of mixed electroosmotic/pressure driven three immiscible fluids in a rectangular microchannel. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 4459-4469. | 2.5 | 18 |
| 115 | Sample Flow Switching Technique Based on Combined Effect of Hydrodynamic and Electroosmosis. , 2009, , . | | 0 |
| 116 | Thermally controlled droplet formation in flow focusing geometry: formation regimes and effect of nanoparticle suspension. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 165501. | 1.3 | 69 |
| 117 | Electro-osmotic control of the interface position of two-liquid flow through a microchannel. <i>Journal of Micromechanics and Microengineering</i> , 2007, 17, 358-366. | 1.5 | 42 |
| 118 | Thermally mediated droplet formation in microchannels. <i>Applied Physics Letters</i> , 2007, 91, . | 1.5 | 98 |
| 119 | Characterization of electroosmotic flow in rectangular microchannels. <i>International Journal of Heat and Mass Transfer</i> , 2007, 50, 3115-3121. | 2.5 | 41 |
| 120 | Optical measurement of flow field and concentration field inside a moving nanoliter droplet. <i>Sensors and Actuators A: Physical</i> , 2007, 133, 317-322. | 2.0 | 31 |
| 121 | Investigation of active interface control of pressure driven two-fluid flow in microchannels. <i>Sensors and Actuators A: Physical</i> , 2007, 133, 323-328. | 2.0 | 7 |
| 122 | Thermally mediated breakup of drops in microchannels. <i>Applied Physics Letters</i> , 2006, 89, 234101. | 1.5 | 88 |
| 123 | Theoretical investigation of two-fluid electroosmotic flow in microchannels. <i>Journal of Physics: Conference Series</i> , 2006, 34, 470-474. | 0.3 | 3 |
| 124 | Active control for droplet-based microfluidics. , 2006, 6416, 113. | | 2 |
| 125 | Dynamic aspects of electroosmotic flow. <i>Microfluidics and Nanofluidics</i> , 2006, 2, 205-214. | 1.0 | 11 |
| 126 | A Silicon/glass-based microfluidic device for investigation of Lagrangian velocity field in microdroplets. <i>Journal of Physics: Conference Series</i> , 2006, 34, 130-135. | 0.3 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Geometrical optimization of bare tube heat exchangers for process industries. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2005, 219, 139-147. | 1.4 | 0 |
| 128 | Analytical effective length study of a flat plate heat pipe using point source approach. Applied Thermal Engineering, 2005, 25, 2272-2284. | 3.0 | 20 |
| 129 | Two-fluid electroosmotic flow in microchannels. Journal of Colloid and Interface Science, 2005, 284, 306-314. | 5.0 | 103 |
| 130 | Electroosmotic flow in irregular shape microchannels. International Journal of Engineering Science, 2005, 43, 1450-1463. | 2.7 | 21 |
| 131 | Transient two-liquid electroosmotic flow with electric charges at the interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 266, 117-128. | 2.3 | 57 |
| 132 | Assessments of Single-Phase Liquid Cooling Enhancement Techniques for Microelectronic Systems. , 2005, , 43. | | 1 |
| 133 | Development of liquid cooling techniques for flip chip ball grid array packages with High Heat flux dissipations. IEEE Transactions on Components and Packaging Technologies, 2005, 28, 127-135. | 1.4 | 50 |
| 134 | Interface control of pressure-driven two-fluid flow in microchannels using electroosmosis. Journal of Micromechanics and Microengineering, 2005, 15, 2289-2297. | 1.5 | 39 |
| 135 | Dynamic aspects of electroosmotic flow in rectangular microchannels. International Journal of Engineering Science, 2004, 42, 1459-1481. | 2.7 | 41 |
| 136 | Study on refrigerant circuitry of condenser coils with exergy destruction analysis. Applied Thermal Engineering, 2000, 20, 559-577. | 3.0 | 27 |
| 137 | Thermal modeling and design of liquid cooled heat sinks assembled with flip chip ball grid array packages. , 0, , . | | 8 |
| 138 | Tunable ultraviolet to deep blue light emission from sulfur nanodots fabricated by a controllable fission-aggregation strategy. Science China Materials, 0, , . | 3.5 | 3 |