**REFERENCES**

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| --- | --- |
| [1] | J.R. Thome and J. Kim, “Encyclopedia of Two-phase Heat Transfer and Flow Ii: Special Topics and Applications (A 4-volume Set),” World Scientific, August 26, 2015, Technology & Engineering, 1324 pages. |
| [2] | P.D. Marco, “Boiling Heat Transfer and Boiling Equipment,” International Centre for Mechanical Sciences, 19-23 September 2005. |
| [3] | M.M. Rahman, J. Pollack and M. McCarthy, “Increasing Boiling Heat Transfer using Low Conductivity Materials”, Scientific Reports, 5, Article number: 13145, 2015. |
| [4] | R. Saidur, K.Y. Leong and H.A. Mohammad, “A Review on Applications and Challenges of Nanofluids”, Renewable and Sustainable Energy Reviews, volume 15, Issue 3, pp. 1646−1668, April 2011. |
| [5] | J.G. Collier and J.R. Thome, “Convective Boiling and Condensation”. Oxford Science Publications, 3rd edition, 1996. |
| [6] | S.G. Kandlikar‏, “Handbook of Phase Change: Boiling and Condensation”, Taylor and Francis, ISBN1-56032-634-4(case), 1999. |
| [7] | H.I. Abu-Mulaweh, “Experimental Comparison Between Heat Transfer Enhancement Methods in Heat Exchangers,” The International Journal of Mechanical Engineering Education, vol. 31(2), pp. 160–167, 2003. |
| [8] | F.C.E. Somerscales and A.E. Bergles “Enhancement of Heat Transfer and Fouling Mitigation”, Advances in Heat Transfer, vol. 30, pp. 197–253, 1997. |
| [9] | A.E. Bergles, “Techniques to Enhance Heat Transfer”, in Handbook of Heat Transfer, 3rd ed., W. M. Rohsenow, J. P. Hartnett, Y. I. Cho, Eds., McGraw-Hill, New York, pp. 11.1–11.76, 1998. |
| [10] | A. Dewan, P. Mahanta, K. Sumithra Raju and P.S. Kumar, “Review of Passive Heat Transfer Augmentation Techniques”, Proc. Instn Mech. Engrs, vol. 218, Part A: J. Power and Energy, A04804 © IMechE 2004. |
| [11] | A.B. Ganorkar and V.M. Kriplani, “Review of Heat Transfer Enhancement in Different Types of Extended Surfaces”, International Journal of Engineering Science and Technology (IJEST), vol. 3(4), pp. 3304–3313, April 2011. |
| [12] | A.N. Mahureand and V.M. Kriplani, “Review of Heat Transfer Enhancement Techniques”, International Journal of Engineering Research and Technology, ISSN 0974-3154, vol. 5(3), pp. 241–249, 2012. |
| [13] | M.R. Salem, K.M. Elshazly, R.Y. Sakr and R.K. Ali, “Experimental Study on Convective Heat Transfer and Pressure Drop of Water-Based Nanofluid inside Shell and Coil Heat Exchanger”, Ph.D. Dissertation, Faculty of Engineering at Shoubra, Benha University, 2014. |
| [14] | S. Jakhar, M.S. Soni, and N. Gakkhar, “Historical and Recent Development of Concentrating Photovoltaic Cooling Technologies”, Renewable and Sustainable Energy Reviews, vol. 60, pp. 41−59, 2016. |
| [15] | R.L. Webb and N.H. Kim, “Principles of Enhanced Heat Transfer”, New York: Taylor & amp; Francis, p. 795, 2005. |
| [16] | S.S. Joshi and V.M. Kriplani, “Review of Heat Transfer Augmentation with Tape Inserts”, IJEST, vol, 3(3), pp. 1949-1952, March 2011. |
| [17] | A. Hasanpour, M. Farhadi, K. Sedighi, “A Review Study on Twisted Tape Inserts on Turbulent Flow Heat Exchangers: The Overall Enhancement Ratio Criteria”, International Communications in Heat and Mass Transfer, vol. 55, pp. 53−62, July 2014. |
| [18] | S.V. Patil and P.V. Babu, “Heat Transfer Augmentation in a Circular tube and Square Duct Fitted with Swirl Flow Generators: A Review”, International Journal of Chemical Engineering and Applications, vol. 2(5), pp. 326−331, October 2011. |
| [19] | S.K. Saha, M. Tiwari, B. Sundén and Z. Wu, “Advances in Heat Transfer Enhancement Handbook”, Springer, ISBN: 9783319294803, April 2016. |
| [20] | R.M. Manglik and A.E. Bergles, “Heat Transfer and Pressure Drop Correlations for Twisted-Tape Inserts in Isothermal Tubes: Part I−Laminar Flows,” Journal of Heat Transfer, vol. 115(4), pp. 881−889, 1993. |
| [21] | A.E. Bergles, “Enhanced Heat Transfer: Endless Frontier, or Mature and Routine?”, In: Lehner M., Mewes D. (eds) Applied Optical Measurements, Heat and Mass Transfer, Springer, Berlin, Heidelberg, volume 6, pp. 79−88, 1999. |
| [22] | S.U.S. Choi, “Enhancing Thermal Conductivity of Fluid with Nanoparticles”, Developments and Applications of Non-Newtonian Flow, ASME FED–vol. 231/MD–vol. 66, pp. 99–105, 1995. |
| [23] | Q. Li and Y. Xuan, “Convective Heat Transfer and Flow Characteristics of Cu–Water Nanofluid”, Science in China, Series E, vol. 45(4), pp. 408–416, August 2002. |
| [24] | O. Manca, Y. Jaluria and D. Poulikakos, “Heat Transfer in Nanofluids”, Advances in Mechanical Engineering, Hindawi Publishing Corporation, vol. 2010, Article ID 380826, 2 pages, May 2010. |
| [25] | S.K. Das, S.U.S. Choi, W. Yu and T. Pradeep, “Nanofluids: Science and Technology”, John Wiley & Sons, Inc., Hoboken, New Jersey, 2007. |
| [26] | Z. Han, “Nanofluids with Enhanced Thermal Transport Properties”, PhD Thesis, Department of Mechanical Engineering, University of Maryland at College Park, Maryland, 2008. |
| [27] | S.U.S. Choi and J.A. Eastman, “Enhancing Thermal Conductivity of Fluids with Nanoparticles”, ASME International Mechanical Engineering Congress & Exposition, November 12-17, 1995, San Francisco, CA. |
| [28] | R. Chein and J. Chuang, “Experimental Microchannel Heat Sink Performance Studies using Nanofluids”, International Journal of Thermal Sciences, vol. 46(1), pp. 57-66, 2007. |
| [29] | C.H. Chon, K.D. Kihm, S.P. Lee and S.U.S. Choi, “Empirical Correlation Finding the Role of Temperature and Particle Size for Nanofluid (Al2O3) Thermal Conductivity Enhancement”, Appl. Phys. Lett., vol. 87(15), 153107, 2005. |
| [30] | S.K. Das, N. Putra, P. Thiesen and W. Roetzel, “Temperature Dependence of Thermal Conductivity Enhancement for Nanofluids”, J. Heat Transfer, vol. 125(4), pp. 567-574, July 2003. |
| [31] | C.H. Li and G. P. Peterson, “Experimental Investigation of Temperature and Volume Fraction Variations on the Effective Thermal Conductivity of Nanoparticle Suspensions (Nanofluids)”, J. Appl. Phys., vol. 99(8), 084314, 2006. |
| [32] | B.C. Pak and Y.I. Cho, “Hydrodynamic and Heat Transfer Study of Dispersed Fluids with Submicron Metallic Oxide Particles”, Exp. Heat Transfer, vol. 11(2), pp. 151-170, 1998. |
| [33] | K.S. Hwang, S.P. Jang, and S.U.S. Choi, “Flow and Convective Heat Transfer Characteristics of Water-Based Al2O3 Nanofluids in Fully Developed Laminar Flow Regime”, International Journal of Heat and Mass Transfer, vol. 52(1-2), pp. 193-199, 2009. |
| [34] | S.Z. Heris, M.N. Esfahany and S.Gh. Etemad, “Experimental Investigation of Convective Heat Transfer of Al2O3/Water Nanofluid in Circular Tube”, Int. J. Heat Fluid Fl., vol. 28(2), pp. 203-210, 2007. |
| [35] | S.Z. Heris, S. Etemad and M.N. Esfahany, “Experimental Investigation of Oxide Nanofluids Laminar Flow Convective Heat Transfer”, Int. Commun. Heat Mass, vol. 33(4), pp. 529-535, 2006. |
| [36] | G.W. Stroebe, E.M. Baker and W.L. Badger, “Boiling-Film Heat Transfer Coefficients in a Long-Tube Vertical Evaporator”, Industrial & Engineering Chemistry, vol. 31(2), pp. 200−206, 1939. |
| [37] | W.H. Jens and P.A. Lottes, “Analysis of Heat Transfer Burnout, Pressure Drop and Density Data for High Pressure Water”, Naval Reactor Division, Argonne National Laboratory, Chicago, Illinois, May 1951. |
| [38] | J.R.S. Thom, W.M. Walker, T.A. Fallon and G.F.S. Reising, “Boiling in Subcooled Water during Flow up Heated Tubes or Annuli”, Proceedings of the Institution of Mechanical Engineers, Conference Proceedings, vol. 180(3), pp. 226– 246, June 1965. |
| [39] | J.C. Chen, “Correlation for Boiling Heat Transfer to Saturated Fluids in Convective Flow”, Industrial and Engineering Chemistry Process Design and Development, vol. 5(3), pp. 322−329, 1966. |
| [40] | F.W. Dittus and L.M.K. Boelter, “Heat Transfer in Automobile Radiators of the Tubular Type”, The University of California Publications on Engineering, vol. 2, pp. 443-461, 1930, Reprinted in Int. Commun. Heat Mass, vol. 12, pp. 3−22, 1985. |
| [41] | H.K. Forster and N. Zuber, “Dynamics of Vapor Bubbles and Boiling Heat Transfer”, American Institute of Chemical Engineers (AIChE) Journal, vol. 1, pp. 531–535, 1955. |
| [42] | R.W. Lockhart and R. C. Martinelli, “Proposed Correlation of Data for Isothermal Two-Phase, Two-Component Flow in Pipes”, Chemical Engineering Progress, vol. 45(1), pp. 39−48, 1949. |
| [43] | J.G. Collier, “Subcooled Boiling Heat Transfer”, Chapter 5, Convective Boiling and Condensation, New York: McGraw-Hill; 1981. |
| [44] | S.G. Kandlikar, “Development of a Flow Boiling Map for Subcooled and Saturated Flow Boiling of Different Fluids inside Circular Tubes”, Journal of Heat Transfer, vol. 113, pp. 190−200, 1991. |
| [45] | M.M. Shah, “Chart Correlation for Saturated Boiling Heat Transfer: Equations and Further Study”, ASHRAE Transactions, vol. 88(1), pp. 185−195, January 1982. |
| [46] | AE. Bergles and W.M. Rohsenow, “The determination of Forced-Convection Surface-Boiling Heat Transfer”, Journal of Heat Transfer, vol. 86(3), pp. 365−372, August 1964. |
| [47] | E.J. Davis and G.H. Anderson, “The Incipience of Nucleate Boiling in Forced Convection Flow”, American Institute of Chemical Engineers (AIChE) Journal, vol. 12(4), pp. 774−780, 1966. |
| [48] | S.O. Kandlikar, “Heat Transfer Characteristics in Partial Boiling, Fully Developed Boiling, and Significant Void Flow Regions of Subcooled Flow Boiling”, Journal of Heat Transfer, vol. 120(2), pp. 395−401, 1998. |
| [49] | Y.Y. Hsu and R.W. Graham, “Transport Processes in Boiling and Two-Phase Systems”, Washington, D.C., Hemisphere Publishing Corporation, New York, McGraw-Hill Book Co., 541 pages, 1976. |
| [50] | K.E. Gungor and R.H.S. Winterton, “Simplified General Correlation for Saturated Flow Boiling and Comparison with Data”, Chemical Engineering Research and Design, vol. 65(2), pp. 148−156, 1987. |
| [51] | E. Hahne, K. Spindler and H. Skok, “A New Pressure Drop Correlation for Subcooled Flow Boiling of Refrigerants”, International Journal of Heat and Mass Transfer, vol. 36(17), pp. 4267−4274, 1993. |
| [52] | P.R.H. Blasius, “The Law of Similarity in Friction Processes in Fluids (Das Aehnlichkeitsgesetz bei Reibungsvorgangen in Flüssigkeiten)”, Forschungsheft, vol. 131, pp. 1−41, 1913. |
| [53] | A. Gupta, J.S. Saini and H.K. Varma, “Boiling Heat Transfer in Small Horizontal Tube Bundles at Low Cross-Flow Velocities”. International Journal of Heat and Mass Transfer, vol. 38(4), pp. 599−605, March 1995. |
| [54] | W. Tong, A.E. Bergles, and M.K. Jensen, “Pressure Drop with Highly Subcooled Flow Boiling in Small-Diameter Tubes”, Experimental Thermal and Fluid Science, vol. 15(3), pp. 202−212, October 1997. |
| [55] | G. Hetsroni, J.L. Zakin, M. Gurevich, A. Mosyak, E. Pogrebnyak and R. Rozenblit, “Saturated Flow Boiling Heat Transfer of Environmentally Acceptable Surfactants, International Journal of Multiphase Flow, vol. 30, pp. 717–734, 2004. |
| [56] | G. Hetsroni, M. Gurevich, A. Mosyak, R. Rozenblit, “Effect of Surfactant Concentration on Saturated Flow Boiling in Vertical Narrow Annular Channels, International Journal of Multiphase Flow, vol. 33, pp. 1141–1152, 2007. |
| [57] | G. Ribatski, J.M.S. Jabardo and E.F. Da Silva, “Modeling and Experimental Study of Nucleate Boiling on a Vertical Array of Horizontal Plain Tubes”, Experimental Thermal and Fluid Science, vol. 32(8), pp. 1530−1537, September 2008. |
| [58] | K. Choi, A.S. Pamitran, J. Oh and K. Saito, “Pressure Drop and Heat Transfer during Two Phase Flow Vaporization of Propane in Horizontal Smooth Minichannels”, International Journal of Refrigeration, vol. 32, pp. 837-845, 2009. |
| [59] | F. Táboas, M. Vallès, M. Bourouis and A. Coronas, “Flow Boiling Heat Transfer of Ammonia/Water Mixture in a Plate Heat Exchanger”, International Journal of Refrigeration, vol. 33(4), pp. 695–705, 2010. |
| [60] | F. Táboas, M. Bourouis and M. Vallès, “Boiling Heat Transfer and Pressure Drop of NH3/LiNO3 and NH3/(LiNO3 + H2O) in a Plate Heat Exchanger”, International Journal of Thermal Sciences, vol. 105, pp. 182–194, 2016. |
| [61] | A. Zacarías, R. Ventas, M. Venegas and A. Lecuona, “Boiling Heat Transfer and Pressure Drop of Ammonia-Lithium Nitrate Solution in a Plate Generator, International Journal of Heat and Mass Transfer, vol. 53(21), pp. 4768–4779, 2010. |
| [62] | E. Abedini, A. Behzadmehr, H. Rajabnia, S.M.H. Sarvari and S.H. Mansouri, “Numerical Investigation of Subcooled Flow Boiling of a Nanofluid”, International Journal of Thermal Sciences, vol. 64, pp. 232−239, February 2013. |
| [63] | P.K. Baburajan, G.S. Bisht, S.K. Gupta and S.V. Prabhu, “Measurement of Subcooled Boiling Pressure Drop and Local Heat Transfer Coefficient in Horizontal Tube under LPLF Conditions”, Nuclear Engineering and Design, vol. 255, pp. 169−179, February 2013. |
| [64] | B.K. Hardik and S.V. Prabhu, “Boiling Pressure Drop and Local Heat Transfer Distribution of Water in Horizontal Straight Tubes at Low Pressure”, International Journal of Thermal Sciences, vol. 110, pp. 65−82, 2016. |
| [65] | A.K. Sadaghiani and A. Koşar, “Numerical and Experimental Investigation on the Effects of Diameter and Length on High Mass Flux Subcooled Flow Boiling in Horizontal Microtubes”, International Journal of Heat and Mass Transfer, vol. 92, pp. 824−837, January 2016. |
| [66] | R.F. Lopina, A.E. Bergles, “Heat Transfer and Pressure Drop in Tape-Generated Swirl Flow of Single-Phase Water”, Journal of Heat Transfer, vol. 91, pp. 434–441, 1969. |
| [67] | M. Cumo, G.E. Farello, G. Ferrari and G. Palazzi, “The Influence of Twisted Tapes Inserts in Subcritical Once-through Vapor Generators in Counter Flow”, Journal of Heat Transfer, vol. 96, pp. 365−370, 1974. |
| [68] | K.N. Agrawal, H.K. Varma, S. Lal, “Pressure Drop during Forced Convection Boiling of R-12 under Swirl Flow”, Journal of Heat Transfer, vol. 108, pp. 567−573, 1982. |
| [69] | K.N. Agrawal, H.K. Varma, S. Lal, “Heat Transfer during Forced Convection Boiling of R-12 under Swirl Flow”, Journal of Heat Transfer, vol. 104, pp. 758−762, 1986. |
| [70] | M.K. Jensen and H.P. Bensler, “Saturated Forced-Convective Boiling Heat Transfer with Twisted-Tape Inserts”, Journal of Heat Transfer, vol. 108, pp. 93−99, 1986. |
| [71] | M. Araki, M. Ogawa, T. Kunugi, K. Satoh, S. Suzuki, Experiments on Heat Transfer of Smooth and Swirl Tubes under One-Sided Heating Conditions”, International Journal Heat and Mass Transfer, vol. 39, pp. 3045–3055, 1996. |
| [72] | A.N. Varava, A.V. Dedov, A.T. Komov, V.V. Yagov, “Investigation of Hydraulic Drag and Heat Transfer in A Single-Phase Swirl Flow under One-Sided Heating”, High Temp, vol. 44(5), pp. 693–702, 2006.  |
| [73] | K. Hata and S. Masuzaki, “Twisted-Tape-Induced Swirl Flow Heat Transfer and Pressure Drop in a Short Circular Tube under Velocities Controlled”, Nuclear Engineering and Design, vol. 241, pp. 4434–4444, 2011. |
| [74] | K. Hata and S. Masuzaki, “Heat Transfer and Critical Heat Flux of Subcooled Water Flow Boiling in a SUS304-Tube with Twisted-Tape Insert”, Journal of Thermal Science and Engineering Applications, vol. 3(1), pp. 012001-0120012, 2011. |
| [75] | G. Zhu, Q. Bi, L. Cai, J. Yan and H. Lv, “Subcooled Flow Boiling Heat Transfer of Water in a Circular Channel with a Twisted Tape Insert under High and Non-Uniform Heat Fluxes”, Applied Thermal Engineering, vol. 138, pp. 722−730, June 2018. |
| [76] | I.C. Bang and S.H. Chang, “Boiling Heat Transfer Performance and Phenomena of Al2O3– Water Nanofluids from a Plain Surface in a Pool”, International Journal of Heat and Mass Transfer, vol. 48(12), pp. 2407−2419, June 2005. |
| [77] | D. Wen and Y. Ding, “Experimental Investigation into the Pool Boiling Heat Transfer of Aqueous Based γ-Alumina Nanofluids”, Journal of Nanoparticle Research, vol. 7(2–3), pp. 265–274, June 2005. |
| [78] | J.S. Coursey and J. Kim, Nanofluid Boiling: The Effect of Surface Wettability”, International Journal of Heat and Fluid Flow, vol. 29, pp. 1577-1585, 2008. |
| [79] | S.J. Kim, T. McKrell, J. Buongiorno and L.W. Hu, “Alumina Nanoparticles Enhance the Flow Boiling Critical Heat Flux of Water at Low Pressure, Journal of Heat Transfer, vol. 130(4), 044501, 3 pages, 2008. |
| [80] | S.J. Kim, T. McKrell, J. Buongiorno and L.W. Hu, “Experimental Study of Flow Critical Heat Flux in Alumina–Water, Zinc-Oxide–Water and Diamond–Water Nanofluids”, Journal of Heat Transfer, vol. 131(4), p. 043204, 7 pages, 2009. |
| [81] | S.J. Kim, T. McKrell, J. Buongiorno and L.W. Hu, “Subcooled Flow Boiling Heat Transfer of Dilute Alumina, Zinc Oxide, and Diamond Nanofluids at Atmospheric Pressure”, Nuclear Engineering and Design, vol. 19(240), pp. 1186−1194, 2010. |
| [82] | H. Peng, G.L. Ding, W.T. Jiang, H.T. Hu and Y.F. Gao, “Heat Transfer Characteristics of Refrigerant-Based Nanofluid Flow Boiling Inside a Horizontal Smooth Tube, International Journal of Refrigeration, vol. 32, pp. 1259−1270, 2009. |
| [83] | M.S. Kwark, R. Kumar, G. Moreno, J. Yoo and M.S. You, “Pool Boiling Characteristics of Low Concentration Nanofluids”, International Journal of Heat and Mass Transfer, vol. 53, pp. 972–981, 2010. |
| [84] | A. Suriyawong and S. Wongwises, “Nucleate Pool Boiling Heat Transfer Characteristics of TiO2–Water Nanofluids at Very Low Concentrations”, Experimental Thermal and Fluid Science, vol. 34, pp. 992–999, 2010. |
| [85] | H.S. Ahn, H. Kim, H. Jo, S. Kang, W. Chang, and M.H. Kim, “Experimental Study of Critical Heat Flux Enhancement during Forced Convective Flow Boiling of Nanofluid on a Short Heated Surface”, International Journal of Multiphase Flow, vol. 36(5), pp. 375−384, May 2010. |
| [86] | M. Boudouh, H.L. Gualous and M. De Labachelerie, “Local Convective Boiling Heat Transfer and Pressure Drop of Nanofluid in Narrow Rectangular Channels”, Applied Thermal Engineering, vol. 30(17–18), pp. 2619–2631, 2010. |
| [87] | L. Xu and J. Xu, “Nanofluid Stabilizes and Enhances Convective Boiling Heat Transfer In A Single Microchannel, International Journal of Heat and Mass Transfer, vol. 55(21−22), pp. 5673−5686, October 2012. |
| [88] | A.A. Chehade, H.L. Gualous, S. Masson, F. Fardoun, A. Besq, “Boiling Local Heat Transfer Enhancement in Minichannels using Nanofluids”, Nanoscale Research Letters, vol. 8, pp. 1–20, 2013. |
| [89] | M.M. Sarafraz and F. Hormozi, “Scale Formation and Subcooled Flow Boiling Heat Transfer of CuO–Water Nanofluid inside the Vertical Annulus”, Experimental Thermal and Fluid Science, vol. 52, pp. 205–214, 2014. |
| [90] | A.S. Morris, “Measurement and Instrumentation Principles”, Butterworth-Heinemann, 3rd edition, ISBN 0-7506-5081-8, 2001. |
| [91] | R.S. Figliola and D.E. Beasley, “Theory and Design for Mechanical Measurements”, Fifth Edition, John Wiley & Sons, Inc., 2011. |
| [92] | P. De Bièvre, R. Dybkaer, A. Fajgelj and D.B. Hibbert, “Metrological Traceability of Measurement Results in Chemistry: Concepts and Implementation (IUPAC Technical Report)”, Pure Appl. Chem., vol. 83(10), pp. 1873–1935, 2011. |
| [93] | R. Remsburg, “Thermal Design of Electronic Equipment”, Electronics Handbook Series, Boca Raton: CRC PRESS LLC, 2001. |
| [94] | Q.T. Zhou, “Calculation of Inner Wall Temperature for an Electrically Heated Thick-Wall Tube”, Journal of Nanjing Institute of Technology, vol. 4, pp. 38–43, 1985. |
| [95] | C.J. Ho, W.K. Liu, Y.S. Chang and C.C. Lin, “Natural Convection Heat Transfer of Alumina–Water Nanofluid in Vertical Square Enclosures: An Experimental Study”, International Journal of Thermal Sciences, vol. 49, pp. 1345–1353, 2010. |
| [96] | Y. Xuan and W. Roetzel, “Conceptions for Heat Transfer Correlation of Nanofluids”, International Journal of Heat and Mass Transfer, vol. 43, pp. 3701–3707, 2000. |
| [97] | S.Q. Zhou and R. Ni, “Measurement of the Specific Heat Capacity of Water-Based Al2O3 Nanofluid”, Applied Physics Letters, vol. 92, 093123, 2008. |
| [98] | J.C. Maxwell, “Treatise on Electricity and Magnetism”, 1st ed., Clarendon Press, Oxford, UK, 1873. |
| [99] | M. Chandrasekar, S. Suresh and A.C. Bose, “Experimental Investigations and Theoretical Determination of Thermal Conductivity and Viscosity of Al2O3/Water Nanofluids”, Experimental Thermal and Fluids Science, vol. 34, pp. 210−216, 2010. |
| [100] | D.W. Meitz, L. Yen, G.C. Berry and H. Markovitz, “Rheological Studies of Dispersions of Spherical Particles in Polymer Solution”, Journal of Rheology, vol. 32, pp. 309–351, 1988. |
| [101] | D.A. Drew and S.L. Passman, “Theory of Multi Component Fluids”, Springer, Berlin, Heidelberg, New York, pp. 121–128, 1999. |
| [102] | A. Einstein, “A New Determination of the Molecular Dimensions”, Ann. Phys., vol. 324(2), pp. 289–306, 1906. |
| [103] | Hussain H. Al-Kayiem, Alzakri Bin Ekhwan and Laheeb N. Muhi, Augmentation of Ribs Turbulators Height on The Hydrothermal Performance of Double Pipe Heat Exchanger, Journal of Engineering Science Technology, vol. 12 (2), pp. 548–563, 2017. |
| [104] | M.R. Salem, M.B. Eltoukhey, R.K. Ali and K.M. Elshazly, “Experimental Investigation on The Hydrothermal Performance of a Double-Pipe Heat Exchanger Using Helical Tape Insert”, International Journal of Thermal Sciences, vol. 124, pp. 496–507, February 2018. |
| [105] | F. Stem, M. Muste, M-L Beninati and W.E. Eichinger, “Summary of Experimental Uncertainty Assessment Methodology with Example”, IIHR Technical Report No. 406, Iowa Institute of Hydraulic Research, College of Engineering, The University of Iowa, 1999. |
| [106] | J. Huang, “Performance Analysis of Plate Heat Exchangers Used as Refrigerant Evaporators”, PhD Thesis, Faculty of Engineering and the Built Environment, University of the Witwatersrand, Johannesburg, August 2010. |
| [107] | S.J. Kline and F.A. McClintock, “Describing Uncertainties in Single-Sample Experiments”, Mechanical Engineering, vol. 75(1), pp. 3–8, January 1953. |