

<u>Project/Publications</u>	<u>Year</u>
S. Mostafa Ghiaasiaan (2011) Convective Heat and Mass Transfer, http://www.cambridge.org/9781107003507 , Cambridge University Press, ISBN=9781107003507	2011
Pathak, M., Ghiaasiaan, S.M. (2011) Convective Heat Transfer and Thermal Dispersion during Laminar Pulsating Flow in Porous Media, Int. J. Thermal Science, 50, 440-448	2011
Sumner, T., Ghiaasiaan, S.M. (2011) Effects of Fuel Type on the Safety Characteristics of a Sodium Cooled Fast Reactors. Part I: Background, Modeling Tools and Pre-Transient Calculations, Annals of Nuclear Energy, 38, 1559-1568	2011
Sumner, T., Ghiaasiaan, S.M. (2011) Effects of Fuel Type on the Safety Characteristics of a Sodium Cooled Fast Reactors. Part II: Simulation Results, Annals of Nuclear Energy, 38, 1760-1768	2011
Conrad T.J., Ghiaasiaan S.M., Kirkconnell C.S., "Simulation of Boundary Layer Effects in the Pulse Tube of a Miniature Cryocooler", Cryocoolers 16, p. 267 (2011).	2011
Conrad T.J., Ghiaasiaan S.M., Kirkconnell C.S., Crittenden T., "Impact of Small Regenerator Structural Flaws on the Performance of Miniature Pulse Tube Cryocoolers", Cryocoolers 16, p. 281 (2011).	2011
Landrum E.C., Conrad T.J., Pathak M.G., Ghiaasiaan S.M., Kirkconnell C.S., Crittenden T., Yorish S., "Effect of Frequency on Hydrodynamic Parameters of Mesh Fillers in Oscillatory Flow", Cryocoolers 16, p. 411 (2011).	2011
Kirkconnell C.S., Freeman J.J., Hon R.C., Jackson M.A., Kieffer M.H., "Modular Linear-Drive Cryocooler Electronics", Cryocoolers 16, p. 667 (2011)	2011
J. Cha and E. Fong, A Method for Estimating Cryogenic Cooling Load in Infrared Payload, submitted for publication in 2011 Advances in Cryogenic Engineering Proceedings.	2011
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Conrad, Pathak, Ghiaasiaan, and Kirkconnell, "The Effect of Component Junction Tapering on Miniature Cryocooler Performance", Advances in Cryogenic Engineering, 2011 (under review); Presented Poster at Cryogenic Engineering Conference 2011	2011
Pathak, Mulcahey, and Ghiaasiaan, "Hydrodynamic and thermal effects of drag and heat transfer coefficients under laminar unsteady flow conditions in porous media", Advances in Cryogenic Engineering, 2011 (under review)	2011
Landrum, E.C., Conrad, T.J., Ghiaasiaan, S.M., Kirkconnell, C.S. (2010) Cryogenics, Hydrodynamic Parameters of Mesh Fillers Relevant to Miniature Regenerative Cryocoolers, 50, 373-380	2010
Sumner, T.S., Stacey, W.M., Ghiaasiaan, S.M. (2010) Dynamic Safety Analysis of The SABR Subcritical Transmutation Reactor Concept, Nuclear Technology, 171, 123-135	2010
Pathak, "Thermal Dispersion and Convective Heat Transfer during Laminar Pulsating Flow", Master's Thesis, Georgia Institute of Technology, Atlanta, GA, 2010;	2010
Pathak and Ghiaasiaan, "Thermal Dispersion and Convection Heat Transfer during Laminar Pulsating Flow", Cryocoolers 16, 2010	2010
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Akbar, M.K., Rahman, M., Ghiaasiaan, S.M. (2009) Particle Transport in a Small Square Enclosure in Laminar Natural Convection, Journal of Aerosol Science, 40, 747-761	2009
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Cha, J.S., Ghiaasiaan, S.M., Kirkconnell, C.S. (2008) Oscillatory Flow Anisotropic Hydrodynamic Parameters of Microporous Media Applied in Pulse Tube and Stirling Cryocooler Regenerators, Experimental Thermal Fluid Science, 32, 1264-1278	2008
S. Mostafa Ghiaasiaan (2008) Two-Phase Flow, Boiling and Condensation in Conventional and Miniature Systems, http://www.cambridge.org/9780521882767 , Cambridge University Press, 613 pages, ISBN=978-0-521-882	2008
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Conrad, T.J., Landrum, E.C., Ghiaasiaan, S.M., Kirkconnell, C.S., Crittenden, T., and Yorish, S., “Anisotropic Hydrodynamic Parameters of Regenerator Materials Suitable for Miniature Cryocoolers”, Cryocoolers 15, p. 343 (2008).	2008
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