

师资名录

- 院士
- 教授
- 资深教授
- 副教授

贺纓

教授, 博士生导师

中国科学技术大学近代力学系 (安徽合肥)

- 邮编: 230027
- 电话: 0551-3602477
- 传真: 0551-3602477
- Lab:
- Email: yhe@ustc.edu.cn



教育经历

- 1996年4月 — 1999年9月 工学博士 东京大学机械工程系传热工学
- 1989年9月 — 1992年3月 硕士 大连理工大学动力工程系热能专业
- 1985年6月 — 1989年9月 学士 大连理工大学动力工程系内燃机专业

工作经历

- 2006年12月—现在 中国科学技术大学工程学院教授
- 2007年1月 —现在 日本理化学研究所客座研究员
- 2001年4月 —2006年12月 日本理化学研究所协力研究员
- 2005年10月 教育部春晖计划留日博士专家辽宁讲学团, 中国医科大学讲学

科学研究

- Hemodynamics and Bioheat Transfer
- Thermofluid Dynamics of Two-phase Flow
- Visualization of Pool Boiling Structure
- Image-based Modelling
- Oxygen Transfer in Tumor Tissue

科研项目

- Grant-in-Aid for Scientific Research (KAKENHI) by JSPS, Research (C), 2006–2007
- Grant-in-Aid for Scientific Research by NSFC, China, 2008–2010

主要论文

- 1. He, Y., Shoji, M., and Maruyama, S., "Numerical study of high heat flux pool boiling heat transfer", International Journal of Heat and Mass Transfer, vol. 44(2001), No. 12, pp.2357-2373. (SCI)
- 2. He, Y., Liu, H., and Himeno, R., "A One-dimensional Thermo-fluid Model of Blood Circulation in the Human Upper Limb", International Journal of Heat and Mass Transfer, Vol. 47(2004), Issues 12-13, June, pp.2735-2745. (SCI)
- 3. He, Y., Liu, H., Himeno, R., and Shirazaki, Numerical and Experimental Study on the Relationship between Blood Circulation and Peripheral Temperature, Vol. 5 (2005), No. 1, Journal of Mechanics in Medicine and Biology pp.39-53. (from 2007,SCI)
- 4. He, Y., Liu, H., Himeno, R., and Shirazaki, M., Numerical and Experimental Study of the Effect of Blood Circulation on the Human Finger Temperature, Transaction of JSME (B) (Japanese), Vol. 71(2005), No.702, pp.641-648. (EI)
- 5. He, Y., Shirazaki, M., Liu, H., Himeno, R., and Sun, Z. G., A Numerical Coupling Model to Analyze the Blood Flow, Temperature and Oxygen Transport in the Human Breast Tumor under Laser Irradiation, Computers in Biology and Medicine, Vol. 36(2006), Issue 12, Pages 1336-1350. (SCI)
- 6. He, Y., Himeno, R. Liu, H., Yokota, H., and Sun, Z. G., 2007, A Finite Element Numerical Analysis of Blood Flow and Temperature Distribution in Three-dimensional Image-based Finger Model, International Journal of Numerical Methods for Heat and Fluid Flow, Vol. 18(2008), Issue:7-8, pp.932-953 (SCI)
- 7. He, Y., Liu, H., Himeno, R., Sunaga, J., Kakusho, N., and Yokota, H., 2008, Finite Element Analysis of Blood Flow and Heat transfer in An Image-based Human Finger, Computers in Medicine and Biology, Vol. 38 (2008), pp.555-562 (SCI)
- 8. Zhu, K., He, Y., Numerical analysis of the effect of capillary geometry on oxygen transport in the microcirculation by MATLAB, J. Medical Biomechanics (Chinese Journal), 2009, Vol. 24, No. 4, pp.263-269. (From 2010,EI) (corresponding author, equal contribution as the first author)
- 9. Zhang, H.D., He, Y., Wang, X., Shao, H.W, Mu, L.Z., and Zhang, J., Dynamic Infrared Imaging for Analysis of Fingertip Temperature after Cold Water Stimulation and Neurothermal Modeling Study, Computers in Biology and Medicine, Vol. 40 (2010), pp.650-656 (SCI) (corresponding author, equal contribution as the first author)

