

2015 Publications of UNLV's Center for Energy Research

- **R. Boehm**, H. Yang, J. Yan, "Chapter I.1.1. Introduction: Renewable energy," in *Handbook of Clean Energy Systems*, (J. Yan, Editor in Chief), Wiley, 3-8 (2015).
- **R. Boehm**, "Chapter I.4.16 Brief introduction to solar energy utilization," in *Handbook of Clean Energy Systems*, (J. Yan, Editor in Chief), Wiley, pp. 265-282 (2015).
- **R. Boehm**, "Chapter I.4.21 Solar water heating," in *Handbook of Clean Energy Systems*, (J. Yan, Editor in Chief), Wiley, pp. 335-354 (2015).
- T.-C. Hung, H.-C. Chen, D.-S. Lee, H.-H. Fu, **Y. Chen**, G.-P. Yu, "Optimal design of a concentric heat exchanger for high-temperature systems using CFD simulations," *Applied Thermal Engineering*, **75**, 700-708 (2015). doi: <https://doi.org/10.1016/j.applthermaleng.2014.09.079>
- T. K. Kim, B. VanSaders, **J. Moon**, T. Kim, C. H. Liu, J. Khamwannah, D. W. Chun, D. Y. Choi, A. Kargar, R. K. Chen, Z. W. Liu, and S. H. Jin, "Tandem structured spectrally selective coating layer of copper oxide nanowires combined with cobalt oxide nanoparticles." *Nano Energy* **11**, 247-59 (2015). doi: <https://doi.org/10.1016/j.nanoen.2014.10.018>
- X. Lu, C. Zhang, **Y. Chen**, Q. Wang, M. Zeng, "Effect of geometrical parameters on flow and heat transfer performances in multi-stream spiral-wound heat exchangers," *Applied Thermal Engineering*, **89**, 1104-1116 (2015). doi: <https://doi.org/10.1016/j.applthermaleng.2015.04.084>
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- V. Nagarajan, **Y. Chen**, Q. Wang, T. Ma, "CFD modeling and simulation of sulfur trioxide decomposition in ceramic plate fin high temperature heat exchanger and decomposer," *International Journal of Heat and Mass Transfer*, **80**, 329-343 (2015). doi: <https://doi.org/10.1016/j.ijheatmasstransfer.2014.09.005>
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