

Professor YANG Weibo

College	College of Electrical, Energy and Power Engineering
Current Position	Professor
Types of Tutor	Master Tutor
Language	Chinese/English
Education	Southeast University, HV&AC, Ph.D.
Research Interests	Building energy saving and renewable energy utilization
Selected Publications	<ol style="list-style-type: none">1. Yang W.B., Zhang H., Liang X.F. Experimental performance evaluation and parametric study of a solar-ground source heat pump system operated in heating modes. <i>Energy</i>, 2018,149:173-189.2. Yang W.B., Yang B.B., Xu R. Experimental study on the heat release operational characteristics of a soil coupled ground heat exchanger with assisted cooling tower. <i>Energies</i>,2018,11(1):90.3. Yang W. B., Lu P. F., Chen Y. P. Laboratory investigations of the thermal performance of an energy pile with spiral coil ground heat exchanger, <i>Energy and Buildings</i>, 2016,128:491-502 .4. Yang W. B., Sun L. L., Chen Y. P. Experimental investigation of the performance of a solar-ground source heat pump system operated in heating modes. <i>Energy and Buildings</i>, 2015,89: 97-111.5. Yang W. B., Kong L. Chen Y. P. Numerical evaluation on the effects of soil freezing on underground temperature variations of soil around ground heat exchangers. <i>Applied Thermal Engineering</i>, 2015, 75: 259-269.6. Yang W. B., Zhang S. S., Chen Y. P. A dynamic simulation method of ground coupled heat pump system based on borehole heat exchange efficiency. <i>Energy and Buildings</i>, 2014,77:17-27

	<p>7. Yang W. B., Chen Y. P., Shi M. H., Spitler J. D. Numerical investigation on the underground thermal imbalance of ground-coupled heat pump operated in cooling-dominated district. <i>Applied Thermal Engineering</i>, 2013, 58: 626-637.</p> <p>8. Yang W. B., Liang X. F., Shi M.H., Chen Z. Q. A numerical model for the simulation of a vertical U-bend ground heat exchanger used in a ground-coupled heat pump. <i>International Journal of Green Energy</i>, 2014, 11:761-785.</p> <p>9. Yang W. B., Shi M.H., Liu G.Y., Chen Z.Q. A two-region simulation model of vertical U-tube ground heat exchanger and its experimental verification. <i>Applied Energy</i>, 2009, 86: 2005-2012.</p> <p>10. Yang W. B., Shi M.H., Dong H. Numerical simulation of the performance of a solar-earth source heat pump system. <i>Applied Thermal Engineering</i>, 2006, 26(18): 2367-2376.</p>
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