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<b>研究领域</b>	农业生物环境建模、分析与控制			
<b>社会兼职</b>	江苏省自动化学会会员			
<b>承担项目</b>	1. 国家自然科学基金：基于作物信息融合的多尺度温室环境控制系统研究（编号：61273227） 2. 江苏省科技厅苏北科技发展计划：设施栽培节本增效配套设备研发及应用（编号：BN2013051）			
<b>学术成果</b>	<p>近期主要论文：</p> 1. 李永博，孙国祥，楼恩平，汪小岳，丁为民. 基于 CFD 模型的温室温度多指标 GA 优化控制[J], 农业机械学报, 2013, 44(3): 186-191. 2. Li Yongbo, Sun Guoxiang, Wang Xiaochan, Ding Weimin. Development of state space model based on sap flow-leaf temperature (SF-LT) data for cultivation of cucumber in greenhouse during summer[J], Research on Crops, 2013, 14 (3): 882-889. 3. Yongbo Li, Guoxiang Sun, and Xiaochan Wang. Temperature Field-Wind Velocity Field Optimum Control of Greenhouse Environment Based on CFD Model[J], Mathematical Problems in Engineering, Volume 2014, ID 949128, 9 pages, <a href="http://dx.doi.org/10.1155/2014/949128">http://dx.doi.org/10.1155/2014/949128</a> . 4. Guoxiang Sun, Yongbo Li, Yu Zhang, Xiaochan Wang, Man Chen, Xue Li, Tingting Yan. Nondestructive measurement method for greenhouse cucumber parameters based on machine vision[J]. Engineering in Agriculture, Environment and Food, 2016, 9(1): 70-78. <p>授权专利：</p> 1. 一种融入作物信息的温室环境控制系统，实用新型，201220309246.3			
<b>奖励荣誉</b>	1. 第 7 届全国信息技术应用水平大赛先进个人 2. 第 8 届全国信息技术应用水平大赛优秀指导教师			

## Teaching staff/ Personal information

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<b>Research field</b>	Modeling, analysis and control of agricultural environment			
<b>Social appointments</b>	Member of Jiangsu Province Association of automation			
<b>Research projects</b>	<p>1. National Natural Science Fund: Research of Multi-scale Greenhouse Environmental Control System Based on Crop Information Fusion (No. : 61273227)</p> <p>2. Northern Jiangsu science and technology development plan: Equipment development and application in facility cultivation (No. :BN2013051)</p>			
<b>Academic achievements</b>	<p>Papers:</p> <p>1.Li Yongbo, Sun Guoxiang, Lou Enping, et al. Multi-index GA optimal control of greenhouse temperature based on CFD model [J], Journal of agricultural machinery, 2013, 44(3): 186-191.</p> <p>2.Li Yongbo, Sun Guoxiang, Wang Xiaochan, et al. Development of state space model based on sap flow-leaf temperature (SF-LT) data for cultivation of cucumber in greenhouse during summer[J], Research on Crops, 2013, 14 (3): 882-889.</p> <p>3.Yongbo Li, Guoxiang Sun, and Xiaochan Wang. Temperature Field-Wind Velocity Field Optimum Control of Greenhouse Environment Based on CFD Model[J], Mathematical Problems in Engineering, Volume 2014, ID 949128, 9 pages, <a href="http://dx.doi.org/10.1155/2014/949128">http://dx.doi.org/10.1155/2014/949128</a>.</p> <p>4.Guoxiang Sun, Yongbo Li, Yu Zhang, et al. Nondestructive measurement method for greenhouse cucumber parameters based on machine vision[J]. Engineering in Agriculture, Environment and Food, 2016, 9(1): 70-78.</p> <p>Patent:</p> <p>1. A kind of environment control system including crop information, practical and novel patent, 201220309246.3</p>			
<b>Reward &amp; honor</b>	<p>1. 7th National advanced individual of information technology contest</p> <p>2. 8th Excellent instructors of national information technology contest</p>			