

CURRICULUM VITAE

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Research Interest			
Intelligent detection and control technologies; nondestructive measurement technologies applied in food safety and quality; Smart sensing technologies in precision livestock farming			
Education & Working Experience			
2014.9- now Huazhong Agricultural University, Associate professor 2010.9-2014.9 University College Dublin, PhD 2008.9-2010.9 Huazhong Agricultural University, postgraduate student 2004.6-2008.6 Huazhong Agricultural University, Bachelor			
Publications			
[1]Yao-Ze Feng*, Hai-Tao Zhao, Gui-Feng Jia, Chijioko Ojukwu, and He-Qun Tan, 'Establishment of Validated Models for Non-Invasive Prediction of Rectal Temperature of Sows Using Infrared Thermography and Chemometrics', International journal of biometeorology, 63 (2019), 1405-15 (IF=2.377) [2]Hai-Tao Zhao, Yao-Ze Feng*, Wei Chen, Gui-Feng Jia, Application of invasive weed optimization and least square support vector machine for prediction of beef adulteration with spoiled beef based on visible near-infrared (Vis-NIR) hyperspectral imaging, Meat Science, 151, 2019, 75-81, (IF=3.486) [3]Yao-Ze Feng*, Wei Yu, Wei Chen, Kuan-Kuan Peng, Gui-Feng Jia, Invasive weed optimization for optimizing one-agar-for-all classification of bacterial colonies based on hyperspectral imaging, Sensors and Actuators B: Chemical, 269, 2018, 264-270 (IF=6.393) [4]Ke-Xin Mu, Yao-Ze Feng*, Wei Chen, Wei Yu, Near infrared spectroscopy for classification of bacterial pathogen strains based on spectral transforms and machine learning, Chemometrics and Intelligent Laboratory Systems, 179, 2018, 46-53 (IF=2.786) [5]Chen, W., Yao-Ze Feng*, Jia, G. et al. Application of Artificial Fish Swarm Algorithm for Synchronous Selection of Wavelengths and Spectral Pretreatment Methods in Spectrometric			



- Analysis of Beef Adulteration. *Food Anal. Methods* 11, 2229 - 2236 (2018) (IF=2.413)
- [6] Yao-Ze Feng, Gerard Downey, Da-Wen Sun, Des Walsh and Jun-Li Xu. Towards improvement in classification of *Escherichia coli*, *Listeria innocua* and their strains in isolated systems based on chemometric analysis of visible and near-infrared spectroscopic data. *Journal of Food Engineering*, 2015, 149:87-96 (SCI, IF=3.625)
- [7] Yao-Ze Feng, Gamal ElMasry, Da-Wen Sun, Amalia Scannell, Des Walsh and Noha Morcy. Near-infrared hyperspectral imaging and partial least squares regression for rapid and reagentless determination of Enterobacteriaceae on chicken fillets. *Food Chemistry*, 2013, 138(2-3): 1829-1836 (SCI, IF=5.399)
- [8] Yao-Ze Feng and Da-Wen Sun. Determination of total viable count (TVC) in chicken breast fillets by near-infrared hyperspectral imaging and spectroscopic transforms, *Talanta*, 2013, 105: 244-249 (SCI, IF=4.916)
- [9] Yao-Ze Feng and Da-Wen Sun. Near-infrared hyperspectral imaging in tandem with partial least squares regression and genetic algorithm for non-destructive determination and visualization of *Pseudomonas* loads in chicken fillets, *Talanta*, 2013, 109: 74-83 (SCI, IF=4.916)
- [10] Yao-Ze Feng and Da-Wen Sun. Application of hyperspectral imaging in food safety inspection and control: a review. *Critical reviews in food science and nutrition*, 2012, 52(11): 1039-1058 (SCI, IF=6.704)