

Associate Professor ZHANG Likui

College	College of Environmental Science & Engineering
Current Position	Associate Professor
Types of Tutor	Master Tutor
Language	Chinese/English
Education	<p>2012- Now Yangzhou University</p> <p>2010—2012 University of Alberta Postdoctoral fellow</p> <p>2004 — 2010 Institute of Microbiology, Chinese Academy Sciences Ph.D</p> <p>2007 — 2009 The OHIO State University Visiting student Biochemistry</p> <p>2001 — 2004 Nanjing Agricultural University MSc</p> <p>1997 — 2001 Anhui Agricultural University BSc</p>
Research Interests	<p>Research direction in our lab is microbial enzymology. We mainly use molecular cloning technology to perform gene cloning, expression and purification, and further biochemical characterization of enzymes from hyperthermophilic microorganisms. Using site-directed mutagenesis technology to construct enzyme mutants, we study the biochemical functions of mutant enzymes in order to reveal catalytic mechanism of enzymes.</p>
Selected Publications	<p>* corresponding author</p> <ol style="list-style-type: none"> Zhang L*, Shi H, Gan Qi, Wang Y, Wu M, Yang Z*, Oger P*, Zheng J. An alternative pathway for repair of deaminated bases in DNA triggered by archaeal NucS endonuclease. DNA Repair. 2019 Oct 24;85:102734. doi: 10.1016/j.dnarep.2019.102734 SCI (2区); IF 3.711 Zhang L*, Li Y, Shi H, Zhang D, Yang Z*, Oger P*, Zheng J. Biochemical characterization and mutational studies of the 8-oxoguanine DNA glycosylase from the hyperthermophilic and radioresistant archaeon Thermococcus gammatolerans. Appl Microbiol Biotechnol. 2019, 103 (19): 8021-8033. SCI (2区); IF 3.67 Li Y, Zhu X, Zhang W*, Zhu D*, Zhou X, Zhang L*. Archaeal communities in the deep-sea sediments

	<p>of the South China Sea revealed by Illumina high-throughput sequencing. <i>Annals of Microbiology</i> 2019 SCI (4区) ; IF 1.431</p> <ol style="list-style-type: none"> 4. Shi H, Gan Q, Jiang D, Wu Y, Yin Y, Hou H, Chen H, Xu Y, Miao L, Yang Z*, Oger P*, Zhang L*. Biochemical characterization and mutational studies of the thermostable uracil DNA glycosylase from the hyperthermophilic euryarchaeon <i>Thermococcus barophilus</i> Ch5 <i>Int J Biol Macromol.</i> 2019 134 : 846-855 SCI (二区) 4.784 5. Shi H, Huang Y, Gan Q, Rui M, Chen H, Tu C, Yang Z*, Oger P*, Zhang L*. Biochemical characterization of a thermostable DNA ligase from the hyperthermophilic euryarchaeon <i>Thermococcus barophilus</i> Ch5. <i>Appl Microbiol Biotechnol.</i> 2019 103(9):3795-3806. SCI (2区) ; IF 3.67 6. Wang Y, Zhang L*, Zhu X, Li Y, Shi H, Oger P, Yang Z. Biochemical characterization of a thermostable endonuclease V from the hyperthermophilic euryarchaeon <i>Thermococcus barophilus</i> Ch5. <i>Int J Biol Macromol.</i> 2018 May 22;117:17-24. SCI (2区) ; IF 3.909 7. Zhang L*. New insights into DNA polymerase function revealed by phosphonoacetic acid-sensitive T4 DNA polymerases. <i>Chem Res Toxicol.</i> 2017 SCI (3区) ; IF 3.278 8. Zhang L*, Xu D, Huang Y, Zhu X, Rui M, Wan T, Zheng X, Shen Y, Chen X, Ma K, Gong Y*. Structural and functional characterization of deep-sea thermophilic bacteriophage GVE2 HNH endonuclease. <i>Sci Rep.</i> 2017 7:42542. SCI (3区) ; IF 4.259 9. Zhang L*, Kang M, Xu J, Xu J, Shuai Y, Zhou X, Yang Z*, Ma K. Bacterial and archaeal communities in the deep-sea sediments of inactive hydrothermal vents in the Southwest India Ridge. <i>Sci Rep.</i> 2016 6:25982. SCI (2区) ; IF 5.228 10. Zhang L*, Huang Y, Xu D, Yang L, Qian K, Chang G, Gong Y*, Zhou X, Ma K. Biochemical characterization of a thermostable HNH endonuclease from deep-sea thermophilic bacteriophage GVE2. <i>Appl Microbiol Biotechnol.</i> 2016 100(18):8003-12. SCI (2区) ; IF 3.42 11. Zhang L*, Kang M, Huang Y, Yang L. Fungal communities from the calcareous deep-sea sediments in the Southwest India Ridge revealed by Illumina sequencing technology. <i>World J Microbiol Biotechnol.</i> 2016 32(5):78. SCI (3区) ; IF 1.532 12. Zhang L*, Kang M, Xu J, Huang Y. Archaeal DNA polymerases in biotechnology. <i>Appl Microbiol Biotechnol.</i> 2015 99(16):6585-97 SCI(2区) ; IF 3.42
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