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赵权宇

关键词

SEARCH



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2012年入选上海市“浦江人才”计划。2005年在中科院大连化学物理研究所获得工学博士学位。Briefings in Bioinformatics编委, Applied Biochemistry and Biotechnology助理主编。主持国家自然科学基金面上项目, 上海市农委科技兴农项目等。2017年加入南京工业大学药学院, 目前致力于微藻生物技术, 环境生物技术和生物信息学的研究。

在国内外学术刊物上发表论文30余篇, 代表性论文:

- 1) Dujia Cheng, Dengjin Li, Yizhong Yuan, Lin Zhou, Xuyang Li, Tong Wu, Liang Wang, Quanyu Zhao*, Wei Wei, Yuhan Sun. Improving carbohydrate and starch accumulation product of *Chlorella* sp. AE10 by a novel two stage process with cell dilution. *Biotechnology for Biofuels*, 2017, 10:75.
- 2) Wenqiang Qi, Taojing Chen, Liang Wang*, Minghong Wu, Quanyu Zhao, Wei Wei. High-strength fermentable wastewater reclamation through a sequential process of anaerobic fermentation followed by microalgae cultivation. *Biotechnology Technology*, 227, 317-323, 2017
- 3) Lin Zhou, Dujia Cheng, Liang Wang, Juan Gao, Quanyu Zhao*, Wei Wei, Yuhan Sun. Comparative transcriptomic analysis reveals phenol tolerance mechanism of evolved *Chlorella* strain. *Biotechnology Technology*, 227, 266-272, 2017.
- 4) Chuizhao Xue, Libo Wang, Tong Wu, Shiping Zhang, Tao Tang, Liang Wang, Quanyu Zhao*, and Yuhan Sun*. Characterization of Co-cultivation of Cyanobacteria on Growth, Productions of Polysaccharides and Extracellular Proteins, Nitrogenase Activity and Photosynthetic Activity. *Applied Biochemistry and Biotechnology*, 181, 340-349, 2017.
- 5) Liang Wang, Jinli Liu, Quanyu Zhao, Wei Wei, Yuhan Sun*, Comparative Study of Wastewater Treatment and Nutrient Recycle via Activated Sludge, Microalgae and Combination Systems. *Bioresource Technology*, 2016, 211, 1-5.
- 6) Libo Wang, Chuizhao Xue, Liang Wang, Quanyu Zhao*, Wei Wei, Yuhan Sun. Strain improvement of *Chlorella* sp. for phenol biodegradation by adaptive laboratory evolution. *Bioresource Technology*, 205, 264-268, 2016

- 7) Dengjin Li, Liang Wang, Quanyu Zhao*, Wei Wei, Yuhan Sun. Improving high carbon dioxide tolerance and carbon dioxide fixation capability of *Chlorella* sp. by adaptive laboratory evolution. *Bioresource Technology*, 185, 269-275, 2015
- 8) Shuiyan Yu, Quanyu Zhao*, Xiaoling Miao, Jiping Shi. Enhancement of lipid production in low-starch mutants *Chlamydomonas reinhardtii* by adaptive laboratory evolution. *Bioresource Technology*, 147, 499-507, 2013
- 9) Quanyu Zhao, Hiroyuki Kurata*. Use of maximum entropy principle with Lagrange multipliers extends the feasibility of elementary mode analysis. *Journal of Bioscience and Bioengineering*, 110(2): 254-261, 2010
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- 11) Quanyu Zhao, Hiroyuki Kurata*. Maximum entropy decomposition of flux distribution at steady state to elementary modes. *Journal of Bioscience and Bioengineering*, 107(1): 84-89, 2009
- 12) Hiroyuki Kurata*, Kentaro Inoue, Kazuhiro Maeda, Koichi Masaki, Yuki Shimokawa, Quanyu Zhao. Extended CADLIVE: a novel graphical notation for design of biochemical network maps and computational pathway analysis. *Nucleic Acids Research*, 35(20):e134, 2007
- 13) Hiroyuki Kurata*, Quanyu Zhao, Ryuichi Okuda, Kazuyuki Shimizu. Integration of enzyme activities into metabolic flux distributions by elementary mode analysis. *BMC Systems Biology*, 1:31, 2007.
- 14) 赵权宇*, 于水燕, 史吉平. 基元模式分析在生物网络与途径分析中的应用. *生物工程学报*, 29(6), 701-715, 2013.

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