

Associate Professor Lee Yuan Kun's Representative Publications

Tan KW and Lee YK (2016) The dilemma for lipid productivity in microalgae: importance of substrate provision in improving oil yield without sacrificing growth. **Biotechnol Biofuels**, 9: 255. DOI 10.1186/s13068-016-0671-2.

Tan KW, Lin H, Shen H, and Lee YK (2016) Nitrogen-induced metabolic changes and molecular determinants of carbon allocation in *Dunaliella tertiolecta*. **Scientific Reports**, 6: 37235 | DOI: 10.1038/srep37235.

Huang JJ, Bunjamin G, Teo ES, Ng DB and Lee YK (2016) An enclosed rotating floating photobioreactor (RFP) powered by flowing water for mass cultivation of photosynthetic microalgae. **Biotechnology for Biofuels**, 9: 218. DOI 10.1186/s13068-016-0633-8.

Yao L, Shen H, Wang N, Tatlay J, Li L, Tan TW, Lee YK (2016) Elevated acetyl-CoA by amino acid recycling fuels microalgal neutral lipid accumulation in exponential growth phase for biofuel production. **Plant Biotechnology Journal**, DOI: 10.1111/pbi.12648.

Yao L, Tan T, Ng YK, Ban K, Shen H, Lin H, Lee YK (2015) RNA-Seq transcriptomic analysis with Bag2D software identifies key pathways enhancing lipid yield in a high lipid-producing mutant of the non-model green alga *Dunaliella tertiolecta*. **Biotechnology for Biofuels**, 8:191. DOI: 10.1186/s13068-015-0382-0.

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Nguyen TMP, Lee YK, Zhou WB. (2009) Stimulating fermentative activities of bifidobacteria in milk by high intensity ultrasound. **International Dairy Journal**, 19 (6-7): 410-415.

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