

# Yun-Chi Lin

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## 研究專長

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海洋微藻、海洋原生生物、海洋生態、混營生物

## 論文著作

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Chang FH, **Lin YC\***, Chiang KP\*, Nien YH, Hsieh Ch, Chen WJ, Hung CC, Kobari T, Saito H & Savidge W (2023) Oceanographic processes linking nearshore, continental shelf, and shelf break. *Frontiers in Marine Science* 10, (<https://doi.org/10.3389/fmars.2023.1137312>) (Impact Factor: 5.247, Rank: 12/121)

**Lin YC**, Chin CP, Yang JW, Chiang KP\*, Hsieh Ch, Gong GC, Shih CY & Chen SY (2022) How communities of Marine Stramenopiles varied with environmental and biological variables in the subtropical Northwestern Pacific Ocean. *Microbial Ecology* 83, 916-928. (Impact Factor: 4.192, Rank: 10/121)

**Lin YC**, Chin CP, Chen WT, Huang CT, Gong GC, Chiang KP\* & Chen XP (2022) The spatial variation in chlorophyte community composition from coastal to offshore waters in a subtropical continental shelf system. *Frontiers in Marine Science* (<https://doi.org/10.3389/fmars.2022.865081>) (Impact Factor: 5.247, Rank: 12/121)

Chung CC\*, Gong GC, **Lin YC** & Hsu CW (2022). Differences in the composition of abundant marine picoeukaryotes in the marginal sea derived from flooding. *Frontiers in Marine Science* (<https://doi.org/10.3389/fmars.2022.853847>) (Impact Factor: 5.247, Rank: 12/121)

Shih CY, Liu WC, Kuo TH, Chan YF, **Lin YC**, Gong GC, Kang LK & Chang J\* (2021) Temporal variations in the expression of a diatom nitrate transporter gene in coastal waters off northern Taiwan: The roles of nitrate and bacteria. *Continental Shelf Research* 227, 104506. (Impact Factor: 2.629, Rank: 25/68)

**Lin YC**, Kang LK, Shih CY, Gong GC & Chang J\* (2018) Evaluation of the relationship between 18S rRNA/rDNA ratio and population growth in the marine diatom *Skeletonema tropicum* via the application of an exogenous nucleic acid standard. *Journal of Eukaryotic Microbiology* 65, 792-803 (Impact Factor: 3.880, Rank: 66/157)

**Lin YC**, Chiang KP & Kang LK\* (2017) Community composition of picoeukaryotes in the South China Sea during winter. *Continental Shelf Research* 143, 91-100. (Impact Factor: 2.629, Rank: 25/68)

**Lin YC**, Chung CC, Chen LY, Gong GC, Huang CY, Chiang KP\*. (2017) Community composition of photosynthetic picoeukaryotes in a subtropical coastal ecosystem, with particular emphasis on *Micromonas*. *Journal of Eukaryotic Microbiology* 64, 349-359. (Impact Factor: 3.880, Rank: 66/157)

## 論文著作 (續)

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Clayton S, **Lin YC**, Follows MJ & Worden AZ\* (2017) Co-existence of distinct *Ostreococcus* ecotypes at an oceanic front. *Limnology and Oceanography* 62, 75-88. (Impact Factor: 5.019, Rank: 2/21)

Kang LK\*, Lu HM, Sung PT, Chan YF, **Lin YC**, Gong GC & Chiang KP (2016) The summer distribution of coccolithophores and its relationship to water masses in the East China Sea. *Journal of Oceanography* 72, 883-893. (Impact Factor: 2.000, Rank: 42/66)

Chung CC\*, Gong GC, Huang CY, Lin JY & **Lin YC** (2015) Changes in the *Synechococcus* assemblage composition at the surface of the East China Sea due to flooding of the Changjiang River. *Microbial Ecology*, 70:677-688. (Impact Factor: 4.192, Rank: 10/121)

**Lin YC**, Chung CC, Gong GC & Chiang KP\* (2014) Diversity and abundance of haptophytes in the East China Sea. *Aquatic Microbial Ecology*, 72:227. (Impact Factor: 1.263, Rank: 57/116)

Chung CC\*, Huang CY., Gong GC. & **Lin YC** (2014) Influence of the Changjiang River flood on *Synechococcus* ecology in the surface waters of the East China Sea. *Microbial Ecology*, 67:273-285. (Impact Factor: 4.192, Rank: 10/121)

Tsai AY\*, Gong GC, Huang JK & **Lin YC** (2013) Viral and nanoflagellate control of bacterial production in the East China Sea summer 2011. *Estuarine Coastal and Shelf Science*, 120:33-41. (Impact Factor: 3.229, Rank: 20/113)

**Lin YC**, Campbell T, Chung CC, Gong GC, Chiang KP\* & Worden AZ\* (2012) Distribution patterns and phylogeny of marine stramenopiles in the North Pacific Ocean. *Applied and Environmental Microbiology*, 78:3387-3399. (Impact Factor: 5.005, Rank: 33/167)

**Lin YC**, Tsai AY & Chiang KP\* (2009) Trophic coupling between *Synechococcus* and pigmented nanoflagellates in the coastal waters of Taiwan, western subtropical Pacific. *Journal of Oceanography*, 65: 781-789. (Impact Factor: 2.000, Rank: 42/66)

Lin YC, Tsai AY & Chiang KP\* (2009) Trophic coupling between *Synechococcus* and pigmented nanoflagellates in the coastal waters of Taiwan, western subtropical Pacific. *Journal of Oceanography*, 65: 781-789. (Impact Factor: 2.000, Rank: 42/66)

Tsai AY, Chiang KP\*, Chan YF, Lin YC & Chang J (2007) Pigmented nanoflagellates in the coastal western subtropical Pacific are important grazers on *Synechococcus* populations. *Journal of Plankton Research*, 29:71-77. (Impact Factor: 2.473, Rank: 43/113)

## 學術研討會

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- 2023 Aug** Cross-Strait Academic Exchange (Hangzhou, China). 東海海域綠藻的群聚組成與環境間的關係。Oral
- 2023 Jan** Mitalk Genome sequencing of the green algae to evaluate the ecological functions. Oral.
- 2022 Oct** 藻類前瞻研討會 利用藻類全基因體解序來看生態功能性與生技應用潛力。口頭報告
- 2022** Oceanography Conference (Taiwan). Genome sequence of *Chloropicon*: to study the niche differentiation between *Chloropicon roscoffensis* and *Micromonas commoda* . Oral.
- 2021** Oceanography Conference (Taiwan). The spatial variation of community composition of chlorophytes shifted from coastal to offshore waters in the subtropical continental shelf system. Oral.
- 2020 Jan** 小東海會議 The community composition of Marine Stramenopiles in a subtropical Northwestern Pacific Ocean (Taiwan). Oral.
- 2020 Aug** 小東海會議 The community composition of Marine Stramenopiles in a subtropical Northwestern Pacific Ocean (Taiwan). Oral.
- 2019** Mitalk 東北太平洋副極區海域青綠藻之全轉錄體分析(Taiwan). Poster.
- 2019** Oceanography Conference (Taiwan). How communities of Marine Stramenopiles varied with environmental and biological variables in the subtropical Northwestern Pacific Ocean. Oral.
- 2018** Asian Congress of Protistology and International Symposium on Biodiversity and Evolution of Protozoa (Guangzhou, China). The phagotrophic mechanism of photosynthetic picoeukaryotes. Poster
- 2018** Interview talk at Biodiversity Research Center, Academia Sinica (Taiwan). The importance of small-eukaryotes in the marine ecology and biogeochemistry. Oral.
- 2018** Cross-Strait Academic Exchange (Xiamen, China). Community composition of photosynthetic picoeukaryotes in a subtropical coastal ecosystem, with particular emphasis on *Micromonas*. Oral.
- 2018** Oceanography Conference (Taiwan). Comparison of gene expression of *Bathycoccus* and *Ostreococcus* in prasinophytes to study their ecological niches. Poster.
- 2018** Congress of Animal Behavior and Ecology (Taiwan). Metatranscriptomics of the prasinophytes in the subarctic Northeast Pacific Ocean. Poster.
- 2016** Asia Oceania Geosciences Society (Beijing, China). Community composition of photosynthetic picoeukaryotes in a subtropical coastal ecosystem, with particular emphasis on *Micromonas*. Oral
- 2015** Aquatic Sciences Meeting (Granada, Spain). Evaluating the relationship between 18S rRNA/rDNA ratio and population growth in marine phytoplankton. Poster
- 2014** Oceanography Conference (Taiwan). The nitrate transporter gene in diatom in the coastal waters of the Northwestern Pacific Ocean. Poster
- 2013** Oceanography Conference (Taiwan). The observation of haptophyte-thriving event in the East China Sea. Poster
- 2012** Oceanography Conference (Taiwan). Distribution patterns and phylogeny of marine stramenopiles (MAST) in the North Pacific Ocean. Oral
- 2010** ISME-13 (Seattle, USA). Spatial variation of heterotrophic nanoflagellates MAST-1 to -4 in the East China Sea during spring and summer. Poster