

# Kuo-Ping Chiang



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## PROFESSIONAL POSITION AND TRAINING

2014-present	Adjunct professor, Sun Yat-sen University
2013-2016	Director, Center of excellence for the oceans, National Taiwan Ocean University
2012-present	Professor, Institute of Marine Environmental Chemistry and Ecology, National Taiwan Ocean University
2011-2016	Director, Institute of Marine Environmental Chemistry and Ecology, National Taiwan Ocean University
2005-2012	Adjunct professors, Institute of Marine Environmental Chemistry and Ecology, National Taiwan Ocean University
2009-present	Adjunct professor, Xiamen University
2001-2013	Professor, Department of Environmental Biology and Fishery Science, National Taiwan Ocean
1993-2001	Associate professor, Department of Environmental Biology and Fishery Science, National Taiwan Ocean University
1985-1993	Lecturer, Department of Fishery Science, Taipei College of Maritime Technology

## Most important editorships and memberships in academic organizations

2017-present	Associate Editor, Continental Shelf Research
2014-2016	Editor- in-Chief, Journal of Marine Science and Technology

## EDUCATION

1976-1980	B.S. , National Taiwan Ocean University, (Dept. of Fishery Science)
1980-1982	M.S., National Taiwan University, (Inst. of Fishery Science)
1989-1993	Ph.D. , Tohoku University, Japan (marine environment)1994.9~1997.12

## Research Areas

- Biological Oceanography
- Marine microbial ecology
- Phytoplankton ecology
- Biological oceanography

## PUBLICATIONS

1. Lee I-N J, K-P Chiang\* and S-F Tsai\* 2021 (November) Sexual Reproduction in dinoflagellates- the case of *Noctiluca scintillans* and its ecological implications. Front. Mar. Sci., 17: doi:10.3389/fmars.2021.704398/full (IF=4.9, Marine & Fresh Water Biology: 5/111=4%, ▲:0)
2. Lin Y-C, C-P Chin, J-W Yang, K-P Chiang\* C-H Hsieh, G-C Gong, C-Y Shih, S-Y Chen 2021(June) How Communities of Marine Stramenopiles Varied with Environmental and Biological Variables in the Subtropical Northwestern Pacific Ocea Microb. Ecol., , [https://dot.org/ 10.1007/s00248-021-](https://dot.org/10.1007/s00248-021-)

- 01788-7) (IF=4.552, Marine & Fresh Water Biology: 6/111=5%, ▲:0)
3. Chen H-Y\*, L-M Huang, T-Y Ho, K-P Chiang and W-C Chou 2021(December) A study of the nitrogen and phosphorus imbalance in East Asia based on the distribution patterns of and stoichiometric variation in global atmospheric nitrogen and phosphorus. *Atmos. Environ.* 266(24):118691 (IF=4.798, Meteorology & Atmospheric Science 19/94=20%, ▲:0)
  4. Tsai, A.-Y., G.-C. Gong, K.-P. Chiang, and S.-F. Tsai 2021 (June) Phytoplankton production and consumption rate in the warm and cold seasons in the coastal ecosystem of Matsu Island. *Terrest. Atmosp. Ocean. Sci.* 32 (3), 391-398. (IF=1.009, Oceanography: 52/60=87%, ▲: 0)
  5. Chen C-C, G-C Gong, K-P Chiang, F-K Shiah, C-C Chung and C-C Hung 2021(May) Scaling effects of a eutrophic river plume on organic carbon consumption *Limnol. Oceanogr.*, 66(5):1861-1867 : doi: 10.1002/lno.11729 (IF=4.745, Oceanography: 4/64=6%, ▲: 2)
  6. Ma L, W Xiao, E A. Laws, X Bai, K-P Chiang, X Liu, J Chen, B Huang\* 2021(April) Responses of phytoplankton communities to the effect of internal wave-powered upwelling, *Limnol. Oceanogr.*, 66(4), 1083-1093 : doi: 10.1002/lno.11666 (IF=4.745, Oceanography: 4/64=6%, ▲: 0)
  7. Chen W-L, K-P Chiang and S-F Tsai\* 2020 (September) Neglect of presence of bacteria leads to inaccurate growth parameters of the oligotrich ciliate *Strombidium* sp. during grazing experiments on nanoflagellates, *Front. Mar. Sci.*, 7: doi:10.3389/fmars.2020.569309/full (IF=4.9, Marine & Fresh Water Biology: 5/111=4%, ▲:0)
  8. Lin H-Y\*, W-Y Yeh, S-F Tsai, K-P Chiang, JH-Y Lin, C-C Tsao and H-J Lin 2020(May) Biological Protective Effects Against *Vibrio* Infections in Grouper Larvae Using the *Strombidium* sp. NTOU1, a Marine Ciliate Amenable for Scaled-Up Culture and With an Excellent Bacteriovorous Ability, *Front. Mar. Sci.*, 7: doi:10.3389/fmars.2020.00373 (IF=4.9, Marine & Fresh Water Biology: 5/111=4%, ▲:1)
  9. Tsai A-Y\*, G-C Gong and K-P Chiang 2020 Increase in phytoplankton production and consumption in response to a typhoon passing through the southern East China Sea, *Aquat. Microb. Ecol.*,84: 121-126 (IF=1.641, Marine & Fresh Water Biology: 63/110=57%, ▲:1)
  10. Xiao W, Y Zeng, X Liua, X Huang, K-P Chiang, T Mid, F Zhang, C Lie, H Weif, Q Yao, B Huang\* 2019 (December) The impact of giant jellyfish *Nemopilema nomurai* blooms on plankton communities in a temperate marginal sea, *Marine Pollution Bulletin* 149: 110507 (IF=5.553, Marine & Fresh Water Biology: 3/110=3%, ▲: 5)
  11. Chan Y-F, K-P Chiang\*, Y KU and G-C Gong 2019(April) Abiotic and biotic factors affecting the ingestion rates of mixotrophic nanoflagellate (Haptophyta), *Microb. Ecol.*,77(3) 607-615 , doi: 10.1007/s00248-018-1249-2) (IF=4.552, Marine & Fresh Water Biology: 8/110=7%, ▲:7)
  12. Yang J- W, W Wu, C-C Chung, K-P Chiang, G-C Gong and C-H Hsieh\* 2018 (April) Predator and prey biodiversity relationship and its consequences on marine ecosystem functioning-interplay between nanoflagellate and bacterioplankton, *The ISME Journal* 12: 1532-1542, <https://doi.org/10.1038/s41396-018-0111-3> (IF=10.302, Microbiology: 10/137=7%, ▲: 20)
  13. Tsia S-F\*, L-Y Wua, W-C Chou and K-P Chiang 2018 (Feb)The dynamics of a dominant dinoflagellate, *Noctiluca scintillans*, in the subtropical coastal waters of the Matsu archipelago, *Marine Pollution Bulletin* 127: 553-558 (IF=5.553, Marine & Fresh Water Biology: 3/110=3%, ▲: 11)
  14. Chen P-C, K-P Chiang and S-F Tasi\* 2017 (September) *Pelagostrobilidium liui* n.sp. (Ciliophora, Choreotrichida) from the coastal waters of northeastern Taiwan and improved description *Pelagostrobilidium minutum* Liu et al., 2012, *J. Eukaryot. Microbiol.*, 62 579-587 (IF=3.346, Microbiology: 53/151=35%, ▲:7 )
  15. Lin Y-C, K-P Chiang and L-K Kung 2017 (June) Community composition of picoeukaryotes in the South China Sea during winter, *Cont. Shelf Res.*, 142: 91-100 (IF=2.391 Oceanography: 32/64=50%, ▲: 2)
  16. Chen\* C-C, G-C Gong, W-C Chou, C-C Chung, C-H Hsieh, F-K Shiah and K-P Chiang 2017(May) The influence of episodic flooding on a pelagic ecosystem in the East China Sea, *Biogeosciences*, 14, 2597-2609 (IF=4.295, Ecology: 36/166=22%, ▲: 4)
  17. Lin Y-C, C-C Chung L-Y Chen G-C Gong, C-Y Huang and K-P Chiang\* 2017 (May) Community composition of photosynthetic picoeukaryotes in a subtropical coastal ecosystem, with particular emphasis on Micromons. *J. Eukaryot. Microbiol.*, 64 349-359 (IF=3.346, Microbiology: 53/151=35%, ▲: 3)
  18. Kung\* L.-K., H.-S. Lu, P.-T. Sung, Y.-F. Chan, Y.-C. Lin, G.-C. Gong and K.-P. Chiang 2016 (Dec) The summer distribution of coccolithophores and its relationship to water mass in the East China Sea,

- J. Oceanogr., 72: 883-893 (IF=1.84, Oceanography: 41/64=64%, ▲ : 8)
19. Tsai S.-F., W.-T. Chen and K.-P. Chiang\* 2016 (Aug) Vertical distribution of pigmented and non-pigmented nanoflagellates in the East China Sea, Cont. Shelf Res., 125: 107-113 (IF=2.391 Oceanography: 32/64=50%, ▲ : 3)
  20. Wang L, B.-Q Huang\*, K-P Chiang, X Liu, B Chen, Y Xie, Y Xu, J. Hu and M. Dai 2016 ( Apr) Physical-Biological coupling in the western South China Sea: the response of phytoplankton community to a mesoscale cyclonic eddy, PLoS ONE 11 (4), DOI:10.1371/journal.pone.0153735. (IF=3.24, Multidisciplinary Sciences 26/72=36%, ▲ : 27)
  21. Liu X, W.-P. Xiao, M. R. Landry, K-P Chiang, L Wang and B-Q Huang\* 2016 (Aug) Response of phytoplankton communities to environmental variability in the East China Sea, Ecosystem, 19, 832-849. (IF=4.217, Ecology 37/166=22%, ▲ : 51)
  22. Hu J., W.-L. Lan, B.-Q Huang, K-P Chiang and H-S Hong\* 2015 (Dec 5) Low Low nutrient and high chlorophyll a coastal upwelling system - A case study in the southern Taiwan Strait, Estuar. Coast. Shelf Sci., 166, 170-177. (IF=2.929 Marine & Fresh Water Biology: 21/110=19%, ▲ : 10)
  23. Liu X, K-P Chiang, S-M Liu, H Wei, Y Zhao and B-Q Huang 2015 (Dec). Influence of the Yellow Sea Warm Current on phytoplankton community in the central Yellow Sea, Deep-Sea Research Part I, 106, 17-29. (NSC88-2611-M-019-011-K2) (SCI) (IF=2.955, Oceanography: 19/64=30%, ▲ :27)
  24. Tsai S.-F., W.-T. Chen and K.-P. Chiang\* 2015 (Mar-Apr). Phylogenetic Position of the Genus *Cyrtostrombidium*, with a Description of *Cyrtostrombidium paralongisomum* nov. spec. and a Redescription of *Cyrtostrombidium longisomum* Lynn & Gilron, 1993 (Protozoa, Ciliophora) Based on Live Observation, Protargol Impregnation, and 18S rDNA Sequences, J. Eukaryot. Microbiol., 62 239-248 (IF=3.346, Microbiology: 53/151=35%, ▲ :13 )
  25. Chan Y-F, K-P Chiang\*, J Chang, Ø Moestrup and C-C Chung 2015 (May-Jun) Strains of the Morphospecies *Ploeotia costata* (Euglenozoa) Isolated from the Western North Pacific (Taiwan) Reveal Substantial Genetic Differences. J. Eukaryot. Microbiol. 62 318-326 (IF=3.346, Microbiology: 53/151=35%, ▲ :6 )
  26. Tsai A-Y\*, G-C Gong, K-P Chiang. P-J Chien and C-F Chao 2014 (Jun) Picoplankton dynamics and their trophic roles in the microbial food web processes in the southern East China Sea upwelling region during summe. Terrest. Atmosp. Ocean. Sci, 25 (3), 435-448. (IF=1.009, Oceanography: 52/60=87%, ▲ : 2)
  27. Lin Y-C, C-C Chung, G-C Gong and K-P Chiang\* 2014 Diversity and abundance of haptophytes in the East China Sea, Aquat. Microb. Ecol.,72: 227-240 (IF=1.641, Marine & Fresh Water Biology: 63/110=57%, ▲ :13)
  28. Chiang K-P\*, A-Y Tsai, P-J Tsai, G-C Gong and B-Q Huang and S-F Tsai 2014 (Jun 1). The influence of nanoflagellates on the spatial variety of picoplankton and the carbon flow of the microbial food web in the oligotrophic subtropical pelagic continental shelf ecosystem, Cont. Shelf Res., 80: 57-66 (IF=2.391 Oceanography: 32/64=50%, ▲ : 2)
  29. Tsai A-Y\*, G-C Gong, K-P Chiang and J Hung 2013 How important is viral effect on the measured bacterial growth in western subtropical Pacific coastal water, J. Mar. Sci. Tech.-Taiw., 21(suppl.) S241-S245. (IF=0.667 Engineering, Multidisciplinary 83/90=92%, ▲ : 1)
  30. Cheng C-H\*, T Kawasaki, K-P Chiang and C-H Ho 2013 Alternative assesment methods applied to the hairtail (*Trichiurus lepturus*) stock in the Aru Sea as an example, J. Mar. Sci. Tech.-Taiw., 21(suppl.) S223-S229. (IF=0.667, Engineering, Multidisciplinary 83/90=92%, ▲ : 2)
  31. Chao C-F, B-W Wang, C-H Cheng and K-P Chiang\* 2013 The diel dynamics of ciliate community in a Tide-Pool. J. Mar. Sci. Tech.-Taiw., 21(suppl.) S216-S222. (IF=0.667, Engineering, Multidisciplinary 83/90=92%, ▲ : 2)
  32. Chao C-F, A-Y Tsai, A Ishikawa and K-P Chiang \* 2013 Seasonal Dynamics of Ciliate Cysts and the Impact of Short-Term Change of Salinity in a Eutrophic Coastal Marine Ecosystem. Terrest. Atmosp. Ocean. Sci, 24, 1054-1062. (NSC 95-2611-M-019-022, SCI) (IF=1.009, Oceanography: 52/60=87%, ▲ : 4)
  33. Liu K-K\*, S-J Kao, K-P Chiang, G-C Gong, J Chang, J-S Cheng and C-Y Lan 2013 (Dec) Concentration dependent nitrogen isotope fractionation during ammonium uptake by phytoplankton under an algal bloom condition in the Danshuei estuary, northern Taiwan. Mar. Chem. 157, 242-252 (IF=3.807, Oceanography: 6/64=9%, ▲ :21)
  34. Tsai\*, A.-Y., G.-C. Gong, R. W. Sanders and K.-P. Chiang 2013 Relationship of *Synechococcus* abundance to seasonal ocean temperature. Terrest. Atmosp. Ocean. Sci, 24, 925-932. (NSC 97-2917-I-

- 564-153, SCI) **(IF=1.009, Oceanography: 52/60=87%, ▲: 4)**
35. Chen J.-Y., A.-Y. Tsai, G.-C. Gong and K.-P. Chiang\* 2012 Grazing pressure by ciliates on the nanoflagellate community in a subtropical pelagic continental shelf ecosystem: small ciliates (of <45 µm) are major consumer of the nanoflagellate community. *Zool. Stud.* 51(8): 1308-1318. **(IF=2.058, Zoology : 54/177=30%, ▲: 9)** (NSC95-2611-M-019-022-MY3)
  36. Lin Y.-C., T. Campbell, C.-C Chung, G.-C. Gong, K.-P. Chiang\* and A. Z. Worden\* 2012 Distribution patterns and phylogeny of marine stramenopiles in the North Pacific Ocean. *Appl. Environ. Microb.* 78(9) 3387-3399 , **(IF=4.792, Biotechnology & Applied microbiology : 38/159=24%, ▲: 52)** (NSC98-2917-I-019-101 and NSC-98-2611-M-021-MY3)
  37. Tsai\*, A.-Y., G.-C. Gong, R. W. Sanders, K.-P. Chiang, J.-K. Huang and Y.-F Chan 2012 Viral lysis and nanoflagellate grazing as factors controlling diel variation of *Synechococcus* spp. summer abundance in coastal waters of Taiwan. *Aquat. Microb. Ecol.*, 66: 150-167. (SCI) **(IF=1.641, Marine & Fresh Water Biology: 63/110=57%, ▲:26)**
  38. Tsai\*, A.-Y., G.-C. Gong, R. W. Sanders, K.-P. Chiang and C.-F Chao 2012. Heterotrophic bacterial and *Synechococcus* spp.growth and mortality along the inshore-offshore in the East China Sea in summer. *J. Oceanogr.*, 68 151-1 **(IF=1.84, Oceanography: 41/64=64%, ▲: 7)** (NSC97-2917-I-564-153 and NSC-99-2611-M-019-015)
  39. Heiehi D. W.-J, C.-C. Chen\*, F.-K. Shiah, J.-J. Hung, K.-P. Chiang P.-J. Meng and K.-S. Fan 2012 Community metabolism in a tropical lagoon, Taiwan: an autotrophic ecosystem induced by a natural nutrient plus. *Environ. Eng. Sci.* 21 (8): 776-782( **IF=1.907, Engineering, Environmental: 47/54=87%, ▲: 5)**
  40. Tsai\*, A.-Y., G.-C. Gong, K.-P. Chiang, C.-F Chao and H-R Guo 2011. Long-term (1998-2007) trends on the spatial distribution of heterotrophic ciliates in the East China Sea in summer: effect of the Three Gorges Dam construction. *J. Oceanogr.*, 67 725-737 (NSC 95-2611-M-019-000-MY3, SCI) **(IF=1.84, Oceanography: 41/64=64%, ▲: 6)** (NSC 99-2611-M-019-015 and NSC-95-2611-M-019-022-MY3)
  41. Wu C-J, C-M Shin and K-P Chiang\* 2011. Does the mesh size of the plankton net affect the result of statical analyses of the relationship between the copepod community and water masses ? *Crustaceana* 84(9): 1069-1089. **(IF=0.529 Marine & Fresh Water Biology: 104/110=95%, ▲: 11)**
  42. Gong G-C\*, K-K Liu, K-P Chiang, T-M Hsiung, J. Chang, C-C Hung, W-C Chou, C-C Chung, H-Y Chen, F-K Shiah, A-Y Tsai, C-H Hsieh, J-C Shiao, C-M Tseng, S-C Hsu, H-J Lee, M-A Lee, I-I Lin and F Tsai 2011. Yangtze River floods enhance coastal ocean phytoplankton biomass and potential fish production, *Geophys. Res. Lett.*, 38 L13603, doi:10.1029/2011GL047519. **(IF=4.72, Geosciences, Multidisciplinary: 31/200=16%, ▲: 54)**
  43. Chung C. -C\*, J. Chang, G.-C. Gong, S.-C. Hsu, K.-P. Chiang and C.-W. Liao 2011. Effects of Asian Dust Storms on *Synechococcus* populations in the Subtropical Kurshio Current. *Mar. Biotechnol.*, 13: 751-763 **(IF=3.619 Marine & Fresh Water Biology: 14/110=13%, ▲: 25)**
  44. Huang B\*., W. Weiguo, X. Zang, K.-P Chiang, H. Tian , J. Hua, W. Lan and H. Hong 2011 . Phytoplankton growth and microzooplankton grazing in a subtropical coastal upwelling system in the Taiwan Strait. *Cont. Shelf Res.*, 31: 537-547**(IF=2.391 Oceanography: 32/64=50%, ▲: 21)**
  45. Hong, H., X. Liu, K.-P Chiang, B. Huang\*, C. Zhang, J. Hua and Y. Li 2011. The coupling of temporal and spatial variations of chlorophyll a concentration and the East Asian monsoons in the southern Taiwan Strait. *Cont. Shelf Res.*, 31: 537-547. **(IF=2.391 Oceanography: 32/64=50%, ▲: 17)**
  46. Tsai, A.-Y., G.-C. Gong,, R. W. Sander, W.-H Chen, C.-F Chao and K.-P. Chiang\* 2011. Importance of bacterivory by pigmented and heterotrophic nanoflagellate during the warm season in a subtropical western Pacific coastal ecosystem. *Aquat. Microb. Ecol.*, 63: 9-18. (SCI) **(IF=1.641, Marine & Fresh Water Biology: 63/110=57%, ▲:43)** (NSC 97-2917-I-564-153 and NSC-98-2611-M-019-021-MY3)
  47. Tsai\*, A.-Y., G.-C. Gong, K.-P. Chiang, C.-F. Chao, H.-K. Liao and F.-K. Shiah 2011. Temporal and spatial variations of picoplankton and nanoplankton and short-term variability related to stormy weather in the Danshui River estuary in northern Taiwan. *Terrest. Atmosp.*



- Ocean. Sci, 20, 547-556. (NSC 96-2621-Z-019-001-MY2, SCI) (IF=1.009, Oceanography: 52/60=87%, ▲: 3)
48. Tsai\*, A.-Y., G.-C. Gong, R. W. Sander, C.-F. Chao, K.-P. Chiang 2010. Microbial dynamics in an oligotrophic bay of the western subtropical Pacific: impact of short-term heavy freshwater runoff and upwelling. J. Oceanogr., 66 873-883 (NSC 95-2611-M-019-000-MY3, SCI) (IF=1.84, Oceanography: 41/64=64%, ▲: 4)
  49. Tsai, S.-F., J.-Y. Chen and K.-P. Chiang\* 2010. Spirotontonia taiwanica n. sp. (Ciliophora: Oligotrichida) from the coastal waters of northeastern Taiwan: morphology and nuclear small subunit rDNA sequence. J. Eukaryot. Microbiol., 57(5) 429-434. (IF=3.346, Microbiology: 53/151=35%, ▲:14 )
  50. Wu, C.-J., K.-P. Chiang\* , H. Liu 2010. Diel feeding pattern and prey selection of mesozooplankton on microplankton community. J. Exp. Mar. Biol. Ecol. 390, 134-142. (NSC 94-2611-M-019-003, SCI) (IF=2.171, Marine & Fresh Water Biology: 40/110=36%, ▲: 15)
  51. Tsai, A.-Y., G.-C. Gong,, R. W. Sander, C.-J. Wang, K.-P. Chiang\* 2010. The impact of the Changjiang River Plume extension on the nanoflagellate community in the East China Sea. Estuar. Coast. Shelf Sci. 89(4), 21-30. (NSC 97-2917-I-564-153, SCI) (IF=2.929, Marine & Fresh Water Biology: 21/110=19%, ▲: 23)
  52. Tsai, A.-Y., W.-M. Chin and K-P. Chiang\* 2009 Diel patterns of grazing by pigmented nanoflagellates on *Synechococcus* spp. In the coastal ecosystem of subtropical western Pacific. Hydrobiologia, 636, 249-256, doi:10.1007/s10750-009-9954-y (NSC 95-2611-M-019-022, SCI) (IF=2.694, Marine & Fresh Water Biology: 29/110=26%, ▲: 17)
  53. Chan, Y.-F., A.-Y. Tsai, K.-P. Chiang\* and C.-H. Hsieh 2009 Pigmented nanoflagellates grazing on *Synechococcus*: seasonal variations and effect of flagellate size in the coastal ecosystem of subtropical western Pacific. Microb. Ecol., 58 548-557, doi: 10.1007/s00248-009-9569-x (NSC 96-2621-Z-019-002-MY2, SCI) (IF=4.552, Marine & Fresh Water Biology: 8/110=7%, ▲:13)
  54. Lin Y.-C., A.-Y. Tsai and K.-P. Chiang\* 2009 Trophic coupling between *Synechococcus* and pigmented nanoflagellates in the coastal waters of Taiwan, western subtropical Pacific. J. Oceanogr., 65 781-789 (NSC 91-2313-B-019-031, SCI) (IF=1.84, Oceanography: 41/64=64%, ▲: 5)
  55. Hung\*, C.-C., Gong, G.-C., Chiang, K.-P., Chen, H.-Y., Yeager, K.M. (2009). Particulate carbohydrates and uronic acids in the northern East China Sea. Estuar. Coast. Shelf Sci. 84(4), 565-572. (IF=2.333, Marine & Fresh Water Biology: 24/107=22%, ▲: 20)
  56. Chen\*, C.-C., F.-K. Shiah, K.-P. Chiang, G.-C. Gong, W. M. Kemp 2009 Effects of the Changjiang (Yangtze) River discharge on planktonic community respiration in the East China Sea. J. Geophys. Res. 114, C03005, doi:10.1029/2008JC004891.. (IF=3.318, Geosciences, Multidisciplinary: 27/184=15%, ▲: 51)
  57. Chung, J.-L., F.-K. Shiah\*, G.-C. Gong and K.-P. Chiang, 2009 Trophic cascading of Medusae on the relationships between copepods and diatoms in a subtropical coastal ecosystem, Terrest. Atmosf. Ocean. Sci., 20, 547-556. (SCI) (IF=1.009, Oceanography: 52/60=87%, ▲: 1).
  58. Tsai, A.-Y., K.-P. Chiang\* , F-K Shiah, J-J Hung and C-F Chao, 2009 Spatial variation of picoplankton and nanoflagellates in a tropical eutrophic lagoon ( Tapong Bay ) in relation to hydrographic conditions and predators, J. Fish. Soc. Taiwan, 36(2): 135-150(NSC 88-WFA-200-004-2)
  59. Tsai. S. F., D, Xu, C. C. Chung and K. P. Chiang\*, 2008 *Parastrombidinopsis minima* N. Sp. (Ciliophora: Oligotrichia) from the coastal waters of northeastern Taiwan: morphology and small subunit ribosomal DNA sequence. J. Eukaryot. Microbiol., 55(6) 567-573 (NSC 91-2313-B-019-031, SCI) (IF=3.346, Microbiology: 53/151=35%, ▲:11)
  60. Tsai A.-Y., K.-P. Chiang\*, J. Chang and G-C Gong, 2008, Seasonal variations in the trophic dynamics of nanoflagellates and picoplankton in coastal waters of the western subtropical Pacific Ocean, Aquat. Microb. Ecol., 51: 263-274. (SCI) (IF=1.641, Marine & Fresh Water Biology: 63/110=57%, ▲:48)

61. Tsai A.-Y., K.-P. Chiang\*, Y.-F. Chan Y.-C. Lin and J. Chang (2007) Pigmented nanoflagellate in the coastal western subtropical Pacific are important grazers on *Synrhopococcus* population. *J. Plankton Res* 29(1) 71-77 (IF=2.455, Marine & Fresh Water Biology: 36/110=33%, ▲: 28)
62. Cai S. F., W. B. Song\*, D. P. Xu and K.P. Chiang (2006) morphological studies on the infraciliature of a planktonic ciliate, *Tinnopsis brasiliensis* (Ciliophora: Tintinina) *Journal of Ocean University of China* 5(1): 55-57.
63. Gong, G.-C\*, Chang, J., Chiang, K.-P., Hsiung, T.-M., Hung, C.-C., Duan, S.-W., and Codispoti, L(2006) Reduction of primary production and changing of nutrient ratio in the East China Sea: Effect of the Three Gorges Dam? *Geophys. Res. Lett.*, 33, L07610, doi:10.1029/2006GL02580. (IF=4.720, Geosciences, Multidisciplinary: 31/200=16%, ▲: 175)
64. Chen C-C\*, K.-P Chiang, G-C Gong, F-K Shiah, C-M Tseng and K-K Liu (2006) Importance of planktonic community respiration on the carbon balance of the East China Sea in summer. *Global Biogeochem. Cy.* 20, GB4001, doi: 10.1029/2005GB002647. (SCI) (IF=5.703, Geosciences, Multidisciplinary: 19/200=9%, ▲: 35)
65. Tsai A.-Y., K.-P. Chiang\*, J. Chang and G-C Gong (2005) Seasonal diel variation of picoplankton and nanoplankton in a subtropical western Pacific coastal ecosystem. *Limnol. Oceanogr.*, 50(4), 1221-1231 (NSC 91-2313-B-019-031, SCI) (IF=4.745, Oceanography: 4/64=6%, ▲:66)
66. K.-P. Chiang (2005) Mesozooplankton consumption of microplankton in the Mississippi River plume, with special emphasis on planktonic ciliates. *Mar. Ecol. Prog. Ser.* 286, 133-144. (SCI) (IF=2.824, Marine & Fresh Water Biology: 24/110=22%, ▲: 28)
67. Tseng, Y.-F., F.-J. Lin, K-P Chiang, S.-J. Kao and F.-K. Shiah\* (2005) Potential impacts of N<sub>2</sub>-fixing *Trichodesmium* on heterotrophic bacterioplankton turnover rates and organic carbon transfer efficiency in the subtropical oligotrophic ocean system. *Terrest. Atmosp. Ocean. Sci.* 16(2), 361-376 (IF=1.009, Oceanography: 52/60=87%, ▲: 5).
68. Chiang, K. P.\*, Y. H. Chou, J. Chang and G. C. Gong (2004) Winter distribution of diatom assemblage in the East China Sea. *J. Oceanogr.*, 60, 1053-1062 (NSC89-2611-M-019-007-K2, SCI) (IF=1.84, Oceanography: 41/64=64%, ▲: 17)
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