



April , 2012

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## FlowCAM<sup>®</sup> Papers & Articles

- Publication:** *Journal of Marine Science*, May, 2012. Pages 347-350  
**Authors:** Juile E. Keister, Delphine Bonnett  
**Title:** Zooplankton population connections, community dynamics, and climate variability
- Publication:** *Bioresource Technology*, March, 2012 (On-Line)  
**Authors:** John J. Day, Naomi J. Thomas, Undine E.M. Achilles-Day, Raymond J.G. Leakey  
**Title:** Early detection of protozoan grazers in algal biofuel cultures
- Publication:** *Journal of Plankton Review*, March, 2012 (On-Line)  
**Authors:** Eva A. Álvarez, Ángel López-Urrutia, Enrique Nogueira  
**Title:** Improvement of plankton biovolume estimates derived from image-based automatic sampling devices: application to FlowCAM
- Publication:** *Microbiology of Aquatic Systems*, March 2012 (On-Line)  
**Authors:** Carole A. Llewellyn, Daniel A. White, Victor Martinez-Vincente, Glen Tarran, Tim J. Smyth.  
**Title:** Distribution of Mycosporine-Like Amino Acids Along a Surface Water Meridional Transect of the Atlantic
- Publication:** *Aquatic Microbial Ecology*, November, 2011 (On-Line)  
**Authors:** Hans Henrik Jakobsen, Jacob Carstensen  
**Title:** FlowCAM: Sizing cells and understanding the impact of size distributions on biovolume of planktonic community structure
- Publication:** *Opflow*, October, 2011 Pages 20-21  
**Authors:** Jonathan Dawson  
**Title:** Quick Response is Key to Solving Taste and Odor Problems
- Publication:** *Journal of Applied Phycology*, 2011 Pages 25-33  
**Authors:** Takato Tanoi, Masanobu Kawachi, Makoto M. Watanabe  
**Title:** Effects of carbon source on growth and morphology of *Botryococcus braunii*
- Publication:** *Journal of Yeast and Fungal Research*, August, 2011, Pages 106-112  
**Authors:** Radha Pyati, Lindsay L. Elvir, Erica C. Charles, Umawattee Seenath, Tom D. Wolkow  
**Title:** Imaging flow cytometric analysis of *Schizosaccharomyces pombe* morphology

- Publication** *Marine Pollution Bulletin*, June, 2011 Pages 1233-1244  
Author: K.J. Karney, J.E. Delany, S. Sawant, E. Mesbahi  
Title: The effects of prolonged darkness on temperate and tropical marine phytoplankton, and their implications for ballast water risk management
- Publication** *World Water*, May/June 2011, March, 2011 Pages 30-32  
Title: Advanced particle imaging and analysis reveals contaminants in seconds
- Publication:** *NSF Biological & Chemical Oceanography Data Management Office*, March, 2011  
Authors: Michael Sieracki, Nicole J. Poulton  
Title: The 2008 North Atlantic Bloom Experiment - Abundance and Biomass determination of heterotrophic and autotrophic bacteria, phototrophic and heterotrophic nanoplankton, & microplankton -including instrument calibration
- Publication** *Marine Biology Research*, May, 2011 (On-Line)  
Authors: Sigrun H. Jonasdottir, Jorg Dutz, Marja Koski, Lidia Yebra, Hans Henrik Jakobsen Charles Vidoudez, Georg Pohnert, Jens C. Nejstgaard  
Title: Extensive cross-disciplinary analysis of biological and chemical control of *Calanus finmarchicus* reproduction during an aldehyde forming diatom bloom in mesocosms
- Publication:** *Environmental Pollution*, May, 2011, Pages 1307-1316  
Authors: Pedro Echeveste, Susana Ajusti, Jordi Dachs  
Title: Cell size dependence of additive versus synergetic effects of UV radiation and PAHs on oceanic phytoplankton
- Publication** *Marine Drugs*, March, 2011 Pages 345-358  
Authors: Charles Vidoudez, Jens Christian Nejstgaard, Hans Henrik Jakobsen, Georg Pohnert  
Title: Dynamics of dissolved and particulate polyunsaturated aldehydes in mesocosms inoculated with different densities of the diatom *Skeletonema marionoi*.
- Publication:** *Deep-Sea Research II*, February, 2011, Pages 493-511  
Authors: Mark A. Brzezinski, S.B. Baines, William M. Balch, C.P. Buecher, Fei Chai, R.C. Dugdale, J.W. Krause, M.R. Landry, A. Marchi, Chris I. Measures, D. M. Nelson, A.E. Parker, A. J. Poulton, K.E. Selph, P.G. Strutton, A.G. Taylor, Benjamin S. Twining  
Title: Co-limitation of diatoms by iron and silicic acid in the equatorial Pacific
- Publication:** *Journal of Plankton Review*, Accepted for publication January, 2011, Pages 1-15  
Authors: Eva Álvarez, Ángel López-Urrutia, Enrique Nogueira, Santiago Fraga  
Title: How to effectively sample the plankton size spectrum? A case study using FlowCAM
- Publication:** *Journal of Applied Phycology*, January, 2011 (On-Line)  
Authors: Maria Stockenreiter, Anne-Kathrin Graber, Florian Haupt & Herwig Stibor  
Title: The effect of species diversity on lipid production by micro-algal communities
- Publication:** *Belgian Science Policy – Research Programme Science for Sustainable Development*, 2011.  
Authors: C. Lancelot, V. Rousseau, N. Gypens, J.Y. Parent, L.N. Terseleer, G. Lacroix, X. Desmit, K. Ruddick, K. Van Nieuwenhove, D. Delbare, K. Denis, P. Grosjean  
Title: Combined effects of changing hydroclimate and human activity on coastal ecosystem Health.

- Publication:** *Marine Pollution Bulletin*, Volume 60, Pages 2117-2122  
**Authors:** A. G. Bauman, J.A. Burt, D.A. Feary, E. Marquis, P. Usselgio  
**Title:** Tropical harmful algal blooms: An emerging threat to coral reef communities
- Publication:** *Defense Technology On-Line*, September, 2010  
**Authors:** Edith A. Widder  
**Title:** Monitoring Bloom Dynamics of a Common Coastal Bioluminescent Ctenophore
- Publication:** *Journal of Geophysical Research*, August, 2010,  
**Authors:** R.A. Reynolds, D Stramski, V.M. Wright, S.B. Wozniak  
**Title:** Measurements and characterization of particle size distributions in coastal waters
- Publication:** *Algae Industry Magazine*, September, 2010  
**Authors:** A.I.M Interview with Dr. Danny Kainer  
**Title:** Scale Up
- Publication:** *Journal of Applied Phycology*, June, 2010 Pages 25-33  
**Authors:** Takako Tanoi, Masanobu Kawachi, Makoto M. Watanabe  
**Title:** Effects of carbon source on growth and morphology of *Botryococcus braunii*
- Publication:** *Marine Biology Research*, May, 2010, Pages 1-14  
**Authors:** Lasse Tor Neilsen, Hans Henrik Jakobsen, Per Juel Hansen  
**Title:** High resilience of two coastal plankton communities to twenty-first century seawater Acidification: Evidence from microcosm studies.
- Publication:** *Marine Ecology Progress Series*, May, 2010, Page 99-110  
**Authors:** T. M. Pedersen, Rodrigo Almeda, Frank L. Fotel, Hans Henrik Jakobsen, Patrizio Mariani, Benni W. Hansen  
**Title:** Larval growth in the dominant polychaete *Polydora ciliata* is food-limited in a eutrophic Danish estuary (Isefjord)
- Publication:** *UNESCO-IOC, ICES Working Group, HAB Dynamics*, 2010, Pages 47-54. From the manual *Microscopic and Molecular Methods for Quantitative Phytoplankton Analysis*.  
**Authors:** Nicole J. Poulton, Jennifer L. Martin  
**Title:** Imaging flow cytometry for quantitative phytoplankton analysis – FlowCAM®
- Publication:** *Marine Ecology Progress Series*, May, 2010 Vol 407: Pages 99-110  
**Authors:** Troels Møller Pedersen, Rodrigo Almeda, Frank Lech Fotell, Hans Henrik Jakobsen, Patrizio Mariani, Benni Winding Hansen  
**Title:** Larval growth in the dominant polychaete *Polydora ciliata* is food-limited in a eutrophic Danish estuary (Isefjord)
- Publication:** *Journal of Plankton Review*, March, 2010, Pages 263- 272  
**Authors:** Alexander Barofsky, Paolo Simonelli, Charles Viodouez, Christofer T roedsson, Jens C. Nejtgaard, Hans H. Jakobsen, Georg Pohnert  
**Title:** Growth phase of the diatom *Skeletonema marinoi* influences the metabolic profile of the cells and the selective feeding of the copepod *Calanus* spp.

- Publication:** *Harmful Algae*, February, 2010 Vol 9, Issue 2: Pages 134-143  
**Authors:** Ana C. Garcia, Sibel Bargu, Padmanava Dash, Nancy N. Rabalais, Malinda Sutor  
**Title:** Evaluating the potential risk of microcystins to blue crab (*Callinectes sapidus*) Fisheries and human health in a eutrophic estuary
- Publication:** *Emerging Ballast Water Management Systems*, January, 2010 Pages 241-245 from the "Proceedings of the IMO-WMU Research and Development Forum".  
**Authors:** K. Peterson, H. Nelson  
**Title:** New data experiments using viability stains on treated ballast water for IMO compliance.
- Publication:** *Ocean and Polar Research*, December, 2009, Pages 349-357  
**Authors:** Seung Ho Baek and Kyoungsoon Shin  
**Title:** Applicability of Fluorescein Diacetate (FDA) and Calcein-AM to Determine the Viability of Marine Plankton
- Publication:** *American Water Works Association, Water Research Foundation*, Dec 2009  
**Authors:** Phillip Tarrant, Tyler Sawyer, Rebecca Mestek and Susanne Neuer  
**Title:** *Feasibility Study for Early Warning Systems for Algae-induced Tastes & Odors*
- Publication:** *Journal of Plankton Research*, December 2009 (Online), Pages 1-10  
**Authors:** A. Barofsky, P. Simonelli, C. Vidoudez, C. Troedsson, J. C. Nejstgarrd, H. H. Jakobsen, G. Pohnert  
**Title:** Growth phase of the diatom *Skeletonema marinoi* influences the metabolic profile of the cells and the selective feeding of the copepod *Calanus* spp.
- Publication:** *American Water Works Association Journal*, November 2009, Vol. 101 No. 11, Pages 19-20.  
**Authors:** Benjamin W. Spaulding.  
**Title:** Field Report: Early Detection Can Help Eradicate Invasive Mussels
- Publication:** *Journal of Plankton Research*, February 2009, Volume 2, No. 2, Pages 193-207  
**Authors:** L. Zarauz, X. Irigoien, J.A. Fernandes  
**Title:** Changes in plankton size structure and composition, during the generation of a phytoplankton bloom, in the central Cantabrian sea
- Publication:** *Analytical Sciences*, December, 2008, Vol. 24, Pages 1623-1627  
**Authors:** Kitao Fujiwara, Shun Hirokawa, Motohide Aoki  
**Title:** Comparison of Fluorescence Correlation Spectrometry with the Ordinary Fluorescence Optical Configuration with Flow Cytometry as a Tool for Micrometer-level Size Determination
- Publication:** *Harmful Algae*, December, 2008, Pages 152-157.  
**Authors:** Edward J. Buskey  
**Title:** How does eutrophication affect the role of grazers in harmful algal bloom dynamics?
- Publication:** *Ocean Systems*, November/December 2008, Pages 22-25  
**Authors:** Nicole J. Poulton  
**Title:** Testing ballast water for zooplankton

- Publication:** *Journal of Experimental Marine Biology and Ecology*, September 2008, pp 48-53  
**Authors:** Raechel A. Littman, Madeleine J.H. van Hoppen, Bette L. Willis  
**Title:** Methods for sampling free-living *Symbiodinium* (zooxanthellae) and their distribution and abundance at Lizard Island (Great Barrier Reef)
- Publication:** *Journal of Plankton Research*, August 2008, Volume 30, No. 8, Pages 857-872  
**Authors:** L. Zarauz, X. Irigoien, J.A. Fernandes  
**Title:** Modelling the influence of abiotic and biotic factors on plankton distribution in the Bay of Biscay, during three consecutive years (2004–06)
- Publication:** *Journal of Plankton Research*, 2008, Volume 30, No. 4, Pages 467-481.  
**Authors:** Unai Cotano, Xabier Irigoien, Egoitz Etxebeste, Paula Alvarez, Julien Mader, Luis Ferrer  
**Title:** Distribution, growth and survival of anchovy larvae (*Engraulis encrasicolus* L.) in relation to hydrodynamic and trophic environment in the Bay of Biscay.
- Publication:** *Journal of Plankton Research*, 2008, Volume 30, No. 3, Pages 275-281.  
**Authors:** Keiichiro Ide, Kazutaka Takahashi, Akira Kuwata, Miwa Nakamachi, Hiroaki Saito  
**Title:** A rapid analysis of copepod feeding using FlowCAM.
- Publication:** *American Water Works Association Journal*, November 2007, Vol. 99 No. 11, Pages 50-54.  
**Authors:** Betsy Reilly-Matthews, PhD.  
**Title:** Particle Imaging and Analysis Instrumentation Minimizes Taste and Odor Complaints
- Publication:** *Marine Ecology Progress Series*, September 2007, Volume 345, Pages 37-39.  
**Authors:** L. Zarauz, X. Irigoien, A. Urtizberea, M. Gonzalez  
**Title:** Mapping plankton distribution in the Bay of Biscay during three consecutive spring surveys.
- Publication:** *Oceanography*, June 2007, Volume 20, No. 2  
**Authors:** Mark Benfield, Philippe Grosjean, Phil Culverhouse, Xabier Irigoien, Michael Sieracki, Angel Lopez-Urrutia, Hans Dam, Qiao Hu, Cabell Davis, Allen Hansen, Cynthia Pilskaln, Edward Riseman, Howard Schultz, Paul Utgoff, Gabriel Gorsky  
**Title:** Research of Automated Plankton Identification (RAPID)
- Publication:** *Journal of Plankton Research*, 2007, Volume 29, No. 2, Pages 115-126.  
**Authors:** C.F. Breier, E. J. Buskey  
**Title:** Effects of the red tide dinoflagellate, *Karenia brevis*, on grazing and fecundity in the copepod *Acartia tonsa*.
- Publication:** *Harmful Algae*, December 2006, Volume 5, Issue 6, Pages 685-692.  
**Authors:** Edward J. Buskey, Cammie J. Hyatt  
**Title:** Use of the FlowCAM<sup>®</sup> for semi-automated recognition and enumeration of red tide cells (*Karenia brevis*) in natural plankton samples.
- Publication:** *Journal of Plankton Research*, 2006. Volume 28, Number 10, Pages 919-936.  
**Authors:** Marja Koski, Wim Breteler, Nelleke Schogt, Santiago Gonzalez, Hans Jakobsen  
**Title:** Life-state-specific differences in exploitation of food mixtures: diet mixing enhances copepod egg production but not juvenile development.

- Publication:** *Limnology and Oceanography*, 2006. Volume 51, No. 5, Pages 2084-2091.  
Authors: Elena San Martin, Xabier Irigoien, Roger P. Harris, Ángel López-Urrutia, Mikhail V. Zubkov and Jane L. Sullivan.  
Title: Variation in the transfer of energy in marine plankton along a production gradient in the Atlantic Ocean.
- Publication:** *Deep-Sea Research II*, 2006. Volume 53, Pages 1560, 1572.  
Authors: Elena San Martin, Roger P. Harris, Xabier Irigoien.  
Title: Latitudinal variation in plankton size spectra in the Atlantic Ocean.
- Publication:** *Polar Biology*, 2005. Volume 28, pages 171-181  
Authors: Rolf R. Gradinger, Klaus Meiners, Gerry Plumley, Qing Zhang, Bodil A. Bluhm  
Title: Abundance and composition of the sea-ice meiofauna in off-shore pack ice of the Beaufort Gyre in summer 2002 and 2003
- Publication:** *Marine Scientist*, No. 16, 2006.  
Article: "Watching out for toxic tides". Pages 10-13
- Publication:** *LakeLine (NALMS)*, Spring 2006.  
Article: "A Regional Assessment Approach", Hilary Snook, U.S. EPA. Pages 21-24
- Publication:** *WACV-MOTION'05*, 2005, Volume 1, Pages 79-86.  
Authors: Matthew B. Blaschko, Gary Holness, Marwan A. Mattar, Dimitri Lisin, Paul E. Utgoff, Allen R. Hanson, Howard Schultz, Edward M. Riseman, Michael E. Sieracki, William M. Balch, Ben Tupper  
Title: Automatic in situ identification of plankton.
- Report:** **ICES/IOC Workshop on New and Classic Techniques for the Determination of Numerical Abundance and Biovolume of HAB-Species – Evaluation of the Cost, Time-Efficiency and Intercalibration Methods (WKNCT)** 22-27 August 2005  
<http://www.ices.dk/reports/OCC/2005/WKNCT05.pdf>
- Publication:** *Journal of Plankton Research*, June 2005. Volume 27, Pages 647-662  
Authors: Hongbin Liu, Michael J. Dagg, Suzanne Strom  
Title: Grazing by the calanoid copepod *Neocalanus cristatis* on the microbial food web in the coastal Gulf of Alaska
- Publication:** *Journal of Phycology*, 2005. Volume 51 Pages 305-310  
Authors: Jason See, Lisa Campbell, Tammi L. Richardson, James L. Pickney, Ronjen Shen, Norman L. Guinasso, Jr.  
Title: Combining new technologies for determination of phytoplankton community structure in the Northern Gulf of Mexico
- Publication:** *Journal of Plankton Research*, 2004, Volume 26, No. 2, Pages 191-212.  
Authors: Robert D. Vaillancourt, Christopher W. Brown, Robert R. L. Guillard, William M. Balch  
Title: Light backscattering properties of marine phytoplankton: relationships to cell size, chemical composition and taxonomy.
- Publication:** *Microbial Ecology*, 2004. Volume 48 Pages 567-577  
Authors: Lavrentyev P.J., M.J. McCarthy, D.M. Klarer, F.J. Jochem & W.S. Gardner  
Title: Estuarine microbial food web patterns in a Lake Erie coastal wetland

- Publication:** *Marine Pollution Bulletin* 48, 2004. Pages 533-542  
**Authors:** Michael C. Sterling, James S. Bonner, Andrew N.S. Ernest, Cheryl A. Page, Robin A. Autenrieth  
**Title:** Characterizing aquatic sediment-oil aggregates using in-situ instruments
- Publication:** *SIMBIOS Project 2000 Annual Report*, Chapter 4, Pages 26-33  
**Authors:** W. M. Balch  
**Title:** Validation of Surface Bio-Optical Properties in the Gulf of Maine as a Means for Improving Satellite Primary Production Estimates
- Publication:** *Marine Ecology Progress Series*, 1998. Volume 168. Pages 285-296.  
**Authors:** Christian K. Sieracki, Michael E. Sieracki, Charles S. Yentsch  
**Title:** An imaging-in-flow system for automated analysis of marine microplankton.

