

## FlowCam® Publications

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Publication	Volume	Date	Authors	Title
<i>Oceanography</i>	doi: 10.5670/oceanog.2018.407	Dec 2018	A. I. Torres, F. E. Paparazzo, G. N. Williams, A. L. Rivas, M. E. Solís and J. L. Esteves	Dynamics of Macronutrients in the San Jorge Gulf During Spring and Summer
<i>Journal of Phycology</i>	doi: 10.1111/jpy.12826	Dec 2018	C. Wirth, R. Limberger, T. Weisse	Temperature x light interaction and tolerance of high water temperature in the planktonic freshwater flagellates <i>Cryptomonas</i> (Cryptophyceae) and <i>Dinobryon</i> (Chrysophyceae)
<i>Aquatic Microbial Ecology</i>	doi: 10.3354/ame01889	Nov 2018	E.L. Cavan, P.W. Boyd	Effect of anthropogenic warming on microbial respiration and particulate organic carbon export rates in the sub-Antarctic Southern Ocean
<i>Marine Pollution Bulletin</i>	doi: 10.1016/j.marpolbul.2018.11.014	Nov 2018	Jade Proctor, Frances E. Hopkins, Elaine S. Fileman, Penelope K. Lindeque	Smells good enough to eat: Dimethyl sulfide (DMS) enhances copepod ingestion of microplastics
<i>The American Naturalist</i>	doi: 10.5061/dryad.9kv23s	Oct 2018	J. R. Bernhardt, J.M. Sunday, M.I. O'Connor	Metabolic theory and temperature-size rule explain the temperature dependence of population carrying capacity
<i>MethodsX</i>	doi: 10.1016/j.mex.2018.10.012	Oct 2018	T. Kitahashi, H. Kayama Watanabe, M. Tsuchiya, H. Yamamoto, H. Yamamoto	A new method for acquiring images of meiobenthic images using the FlowCam
<i>Environmental Engineering Research</i>	doi: 10.4491/eer.2018.266	Oct 2018	Jungsu Park, Youngje Kim, Minjae Kim, Woo Hyung Lee	A novel method for cell counting of <i>Microcystis</i> colonies in water resources using a digital imaging flow cytometer and microscope
<i>Marine Pollution Bulletin</i>	doi: 10.1016/j.marpolbul.2018.10.061	Oct 2018	Madelyn N. Woods, Margaret E. Stack, David M. Fields, Susan D. Shaw, Patricia A. Matrai	Microplastic fiber uptake, ingestion, and egestion rates in the blue mussel ( <i>Mytilus edulis</i> )
<i>Limnologica</i>	doi: 10.1016/j.limno.2018.09.002	Sept 2018	Madeline P. Nolan, Bradley J. Cardinale	Species diversity of resident green algae slows the establishment and proliferation of the cyanobacterium <i>Microcystis aeruginosa</i>
<i>Environmental Science and Pollution Research</i>	doi: 10.1007/s11356-018-3287-1	Sept 2018	Long Wang, Panpan Liu, Jian Sun, Yi Zhang, Qiaohong Zhou, Zhenbin Wu, Feng He	Comparison and combination of selective grazing on natural seston by benthic bivalves ( <i>Hyriopsis cumingii</i> ) and pelagic fish ( <i>Hypophthalmichthys molitrix</i> )
<i>Limnology and Oceanography: Methods</i>	doi: 10.1002/lom3.10274	Sept 2018	M.D Graham, J. Cook, J. Graydon, D. Kinniburgh, H. Nelson, S. Piliéci, R.D. Vinebrooke	High-resolution imaging particle analysis of freshwater cyanobacterial blooms

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<i>Water Resources Research</i>	doi: 10.1029/2018WR023112	Sept 2018	Rakesh Mistry & Josef D. Ackerman	Flow, flux and feeding in freshwater mussels
<i>Biodiversity Data Journal</i>	doi: 10.3897/BDJ.6.e28496	Sept 2018	Yazmin Sánchez Roque, Yolanda del Carmen Pérez-Luna, Joel Moreira Acosta, Neín Farrera Vázquez, Roberto Berrones Hernández, Sergio Saldaña Trinidad, Joseph Sebastian Pathiyamottom	Evaluation of the population dynamics of microalgae isolated from the state of Chiapas, Mexico with respect to the nutritional quality of water
<i>Frontiers in Marine Science</i>	doi: 10.3389/fmars.2018.00272	Aug 2018	Lumi Haraguchi, Hans H. Jakobsen, Nina Lundholm, Jacob Carstensen	Phytoplankton Community Dynamic: A Driver for Ciliate Trophic Strategies
<i>Freshwater Biology</i>	doi: 10.1111/fwb.13184	July 2018	Shaylah Tuttle-Raycraft & Josef Daniel Ackerman	Does size matter? Particle size vs. quality in bivalve suspension feeding
<i>Current Science</i>	doi: 10.18520/cs/v115/i1/152-159	July 2018	R. Jyothibabu, N. Arunpandi, C. Karnan, L. Jagadeesan, T.M. Manojkumar, K.K. Balachandran, S.W.A. Naqvi	<i>Fragilariopsis</i> sp. bloom causes yellowish-brown waters off Alappuzha, south-central Kerala coast, India, during the mud bank up-welling phase
<i>Chemical Engineering Journal</i>	doi: 10.1016/j.cej.2018.07.135	July 2018	H. Zhang, S. Tangparitkul, B. Hendry, J. Harper, Y.K. Kim, T.N. Hunter, J.W. Lee, D. Harbottle	Selective separation of cesium contaminated clays from pristine clays by floatation
<i>Toxins</i>	doi:10.3390/toxins10070269	July 2018	M. Magonono, P.J. Oberholster, S. Addmore, M. Stanley, J.R. Gumbo	The Presence of Toxic and Non-Toxic Cyanobacteria in the Sediments of the Limpopo River Basin: Implications for Human Health
<i>ISME Journal</i>	doi: 10.1038/s41396-018-0217-7	June 2018	T.M. Tsagaraki, B. Pree, Ø. Leiknes, A. Larson, G. Bratbak, L. Øvreås, J.K. Egge, R. Spanek, M.L. Paulsen, Y. Olsen, O. Vadstein, T.F. Thingstad	Bacterial community composition responds to changes in copepod abundance and alters ecosystem function in an Arctic mesocosm study
<i>Journal of Geophysical Research</i>	doi: 10.1029/2018JG004392	June 2018	E.L. Cavan, S.L.C. Giering, G.A. Wolff, M. Trimmer, R. Sanders	Alternative Particle Formation Pathways in the Eastern Tropical North Pacific's Biological Carbon Pump
<i>Environmental Science and Pollution Research</i>	doi: 10.1007/s11356-018-2612-z	June 2018	J.D. Chaffin, D.D. Kane, K. Stanislawczyk, E.M. Parker	Accuracy of data buoys for measurement of cyanobacteria, chlorophyll, and turbidity in a large lake (Lake Erie, North America): implications for estimation of cyanobacterial bloom parameters from water quality sonde measurements
<i>Environmental Microbiology</i>	doi: 10.1111/1462-2920.14261	June 2018	Jozef I. Nissimov, Rebecca Vandzura, Christopher T. Johns, Frank Natale, Liti Haramaty, Kay D. Bidle	Dynamics of transparent exopolymer particle (TEP) production and aggregation during viral infection of the coccolithophore, <i>Emiliania huxleyi</i>
<i>Nature</i>	doi: 10.1038/s41598-018-27845-9	June 2018	R.X. Poulin, S. Hogan, K.L. Poulson-Ellestad, E. Brown, F.M. Fernández, J. Kubanket	<i>Karenia brevis</i> allelopathy compromises the lipidome membrane integrity, and photosynthesis of competitors

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<i>Sedimentology</i>	doi: 10.1111/sed.12503	June 2018	A.K.M. Hasberg, S. Bijaksana, P. Held, J. Just, M. Melles, M.A. Morlock, S. Opitz, J. M. Russell, H. Vogel, V. Wennrich	Modern sedimentation processes in Lake Towuti, Indonesia, revealed by the composition of surface sediments
<i>Sustainable Environmental Research</i>	doi: 10.1016/j.serj.2018.06.001	June 2018	Tran Ngoc Phu Nguyen, Quynh Thi Phuong Bui, Chihpin Huang	Performance evaluation of a hydrogen-fed bioreactor treating nitrate containing wastewater under long-term operation
<i>Proc. SPIE 10631, Ocean Sensing and Monitoring X</i>	doi: 10.1117/12.2309790	May 2018	Malcom N. McFarland, Nicole Stockley, James M. Sullivan	Individual particle measurements to monitor ecological processes in the Indian River Lagoon, FL
<i>Oceanography</i>	doi: 10.5670/oceanog.2018.302	Apr 2018	Greer, A.T., A.M. Shiller, E.E. Hofmann, J.D. Wiggert, S.J. Warner, S.M. Parra, C. Pan, J.W. Book, D. Joung, S. Dykstra, J.W. Krause, B. Dzwonkowski, I.M. Soto, M.K. Cambazoglu, A.L. Deary, C. Briseño-Avena, A.D. Boyette, J.A. Kastler, V. Sanial, L. Hode, U. Nwankwo, L.M. Chiaverano, S.J. O'Brien, P.J. Fitzpatrick, Y.H. Lau, M.S. Dinniman, K.M. Martin, P. Ho, A.K. Mojzis, S.D. Howden, F.J. Hernandez, I. Church, T.N. Miles, S. Sponaugle, J.N. Moum, R.A. Arnone, R.K. Cowen, G.A. Jacobs, O. Schofeld, and W.M. Graham	Functioning of coastal river-dominated ecosystems and implications for oil spill response: From observations to mechanisms and models
<i>Harmful Algae</i>	doi: 10.1016/j.hal.2018.02.006	Mar 2018	Jae Hoon Noh, Wonkook Kim, Seung Hyun Son, Jae-Hyun Ahn, Young-Je Park	Remote quantification of <i>Cochlodinium polykrikoides</i> blooms occurring in the East Sea using geostationary ocean color imager (GOCI)
<i>Water Research</i>	doi: 10.1016/j.watres.2018.03.052	Mar 2018	Thomas Weisse and Victoria Bergkemper	Rapid detection and quantification of the potentially toxic cyanobacterium <i>Planktothrix rubescens</i> by in-vivo fluorometry and flow cytometry
<i>Journal of Great Lakes Research</i>	doi: 10.1016/j.jglr.2017.11.005	Feb 2018	Andrya L. Whitten, Jose R. Marin Jarrin, A. Scott McNaught	A mesocosm investigation of the effects of quagga mussels ( <i>Dreissena rostriformis bugensis</i> ) on Lake Michigan zooplankton assemblages
<i>Harmful Algae</i>	doi: 10.1016/j.hal.2018.02.001	Feb 2018	Justin D. Chaffin, Timothy W. Davis, Derek J. Smith, Mikayla M. Baer, Gregory J. Dick	Interactions between nitrogen form, loading rate, and light intensity on <i>Microcystis</i> and <i>Planktothrix</i> growth and microcystin production
<i>bioRxiv</i>	doi: 10.1101/247908	Jan 2018	J.R. Bernhardt, J.M. Sunday, P. L. Thompson, M. I. O'Connor	Nonlinear averaging of thermal experience predicts population growth rates in a thermally variable environment [Manuscript under review]
<i>Biogeosciences</i>	doi: 10.5194/bg-2017-534	Jan 2018	N. Briggs, K. Guðmundsson, I. Cetinić, E. D'Asaro, E. Rehm, C. Lee, M. Jane Perry	A multi-method autonomous assessment of primary productivity and export efficiency in the springtime North Atlantic [Manuscript under review]
<i>Methods in Molecular Biology</i>	doi: 10.1007/7651_2017_102	Jan 2018	Katariina Natunen	Monitoring Microalgal Neutral Lipid Accumulation with Nile Red

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<i>Harmful Algae</i>	doi: 10.1016/j.hal.2017.12.002	Dec 2017	R. X. Poulin, K. L. Poulson-Ellestad, J. S. Roy, J. Kubanek	Variable allelopathy among phytoplankton reflected in red tide metabolome
<i>Science of The Total Environment</i>	doi: 10.1016/j.scitotenv.2017.06.070	Dec 2017	L. Romero-Martinez, C. van Slooten, E. Nebot, A. Acevedo-Merino, L. Peperzak	Assessment of imaging-in-flow system (FlowCam) for systematic ballast water management
<i>Journal of Geophysical Research</i>	doi: 10.1002/2017JC013281	Nov 2017	K.R. Arrigo, G. L. van Dijken, A.-C. Alderkamp, Z.K. Erickson, K.M. Lewis, K.W. Lowry, H. L. Joy-Warren, R. Middag, J.E. Nash-Arrigo, V. Selz, W. van de Poll	Early spring phytoplankton dynamics in the Western Arctic Peninsula
<i>Hydrobiologia</i>	doi:10.1007/s10750-017-3426-6	Nov 2017	Victoria Bergkemper, Thomas Weisse	Do current European lake monitoring programmes reliably estimate phytoplankton community changes?
<i>Marine Ecology Progress Series</i>	doi: 10.3354/meps12294	Oct 2017	Karen Kayfetz and Wim Kimmerer	Abiotic and biotic controls on the copepod <i>Pseudodiaptomus forbesi</i> in the upper San Francisco Estuary
<i>Water Research</i>	doi: 10.1016/j.watres.2017.09.011	Sept 2017	Y. Azimi, Y. Liu, T.C. Tan, D.G. Allen, R.R. Farnood	The Tail of Two Models: Impact of Circularity and Biomass Non-Homogeneity on UV Disinfection of Wastewater Flocs
<i>Royal Society Proceedings B</i>	doi: 10.1098/rspb.2017.1888	Sept 2017	Jana Hinners, Anke Kremp, Inga Hense	Evolution in temperature-dependent phytoplankton traits revealed from a sediment archive: do reaction norms tell the whole story?
<i>Environmental Science and Technology</i>	doi: 10.1021/acs.est.7b03331	Aug 2017	Melanie Bergmann, Vanessa Wirzberger, Thomas Krumpfen, Claudia Lorenz, Sebastian Primpke, Mine B. Tekman, Gunnar Gerdt	High quantities of microplastic in arctic deep-sea sediments from HAUSGARTEN Observatory
<i>Algal Research</i>	doi: 10.1016/j.algal.2017.08.024	Aug 2017	John G. Day, Yingchun Gong, Qiang Hu	Microzooplanktonic grazers - A potentially devastating threat to the commercial success of microalgal mass culture
<i>Harmful Algae</i>	doi: 10.1016/j.hal.2017.06.005	July 2017	M. Keys, G. Tilstone, H. S. Findlay, C. E. Widdicombe, T. Lawson	Effects of elevated CO <sub>2</sub> on phytoplankton community biomass and species composition during a spring <i>Phaeocystis</i> spp. Bloom in the western English Channel
<i>Indian Journal of Geo Marine Sciences</i>	Volume 46 (07)	July 2017	C. Karnan, R. Jyothibabu, T.M. Manoj Kumar, L. Jagadeesan, N. Arunpandi	On the accuracy of assessing copepod size and biovolume using FlowCam and traditional microscopy
<i>Science of The Total Environment</i>	doi: 10.1016/j.scitotenv.2017.07.267	July 2017	Tomofumi Kurobe, Peggy W. Lehman, M.E. Haque, Tiziana Sedda, Sarah Lesmeister, Swee The	Evaluation of water quality during successive severe drought years within <i>Microcystis</i> blooms using fish embryo toxicity tests for the San Francisco Estuary, California
<i>Integrated Ocean Observing System and Quality Assurance/Quality Control of Real Time Oceanographic Data</i>	Version 1.0	May 2017	See document for list of references.	A Manual for Real-Time Quality Control of Phytoplankton Data: A Guide to Quality Control and Quality Assurance for Phytoplankton Observations

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<i>Inland Waters</i>	doi: 10.1080/20442041.2017.1294352	May 2017	Victoria Bergkemper, Thomas Weisse	Phytoplankton response to the summer 2015 heat wave - a case study from prealpine Lake Mondsee, Austria
<i>Journal of Plankton Research</i>	doi: 10.1093/plankt/fbx029	May 2017	Maria Hamilton, Gwenn M.M. Hennon, Rhonda Morales, Joeseeph Needoba, Tawnya D. Peterson, Megan Schatz, Jarred Swalwell, E. Virginia Armbrust, Francois Ribalet	Dynamics of Teleaulax-like cryptophytes during the decline of a red water bloom in the Columbia River Estuary
<i>Frontiers in Marine Science</i>	doi: 10.3389/fmars.2017.00085	Apr 2017	J. Taucher, L.T. Bach, T. Boxhammer, A. Nauendorf, E.P. Achterberg, M. Algueró-Muñiz, J. Aristegui, J. Czerny, M. Esposito, W. Guan, M. Haunost, H. G. Horn, A. Ludwig, J. Meyer, C. Spisla, M. Sswat, P. Stange, U. Riebesell	Influence of Ocean Acidification and Deep Water Upwelling on Oligotrophic Plankton Communities in the Subtropical North Atlantic: Insights from an <i>In situ</i> Mesocosm Study
<i>Polar Biology</i>	doi: 10.1007/s00300-017-2123-2	Apr 2017	A. Coello-Camba, M. Llabrés, C.M. Duarte, S. Agustí	Zooplankton excretion metabolites stimulate Southern Ocean phytoplankton growth
<i>Marine Ecology Progress Series</i>	doi: 10.3354/meps12072	Apr 2017	Gayantonia Franzè & Peter J. Lavrentyev	Microbial food web structure and dynamics across a natural temperature gradient in a productive polar shelf system
<i>nature geoscience</i>	doi: 110.1038/NGEO2925 pone.0175235	Apr 2017	H.J. Smith, R.A. Foster, D.M. McKnight, J.T. Lisle, S. Littmann, M.M.M. Kuypers, C.M. Foreman	Microbial formation of labile carbon in Antarctic glacial environments
<i>PLoS ONE</i>	doi: 10.1371/journal.pone.0175235	Apr 2017	E. Wong, A.R. Sastri, F-S. Lin, C-h. Hsieh	Modified FlowCam procedure for quantifying size distribution of zooplankton with sample recycling capacity
<i>Limnology and Oceanography</i>	doi: 10.1002/lno.10516	Mar 2017	M. Winder, J-M. Bouquet, J.R. Bermúdez, S.A. Berger, T. Hansen, J. Brandes, A.F. Sazhin, J.C. Nejtgaard, U. Båmstedt, H.H. Jakobsen, J. Dutz, M.E. Frischer, C. Troedsson, E.M. Thompson	Increased appendicularian zooplankton alter carbon cycling under warmer more acidified ocean conditions
<i>Marine Biology</i>	doi: 10.1007/s00227-017-3123-z	Mar 2017	J.S. Patil, R.V. Rodrigues, P. Paul, K. Sathish, M. Rafi, A.C. Anil	Benthic dinoflagellate blooms in tropical intertidal rock pools: elucidation of photoprotection mechanisms
<i>Journal of Phycology</i>	doi: 10.1111/jpy.12528	Mar 2017	I.W. Bishop, S.A. Spaulding	Life cycle size dynamics in <i>Didymosphenia geminata</i> (Bacillariophyceae)

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<i>Marine Ecology Progress Series</i>	doi: 10.3354/meps12025	Mar 2017	Maria Segovia, M. Rosario Lorenzo, Maria T. Maldonado, Aud Larsen, Stella A. Berger, Tatiana M. Tsagaraki, Francisco J. Lázaro, Concepción Iñiguez, Candela García-Gómez, Armando Palma, Michaela A. Mausz, Francisco J.L. Gordillo, Jose A. Fernández, Jessica L. Ray, Jorun K. Egge	Iron availability modulates the effects of future CO <sub>2</sub> levels within the marine planktonic food web
<i>Environmental Monitoring and Assessment</i>	doi: 10.1007/s10661-017-5804-y	Mar 2017	L. Jagadeesan, R. Jyothibabu, N. Arunpandi, S. Parthasarathi	Copepod grazing and their impact on phytoplankton standing stock and production in a tropical coastal water during the different seasons
<i>Journal of Marine Systems</i>	doi: 10.1016/j.jmarsys.2017.02.012	Mar 2017	C. Karnan, R. Jyothibabu, N. Arunpandi, L. Jagadeesan, K.R. Muraleedharan, A.K. Pratihari, K.K. Balachandran, S.W.A Naqvi	Discriminating the biophysical impacts of coastal upwelling and mud banks along the southwest coast of India
<i>River Research and Applications</i>	doi: 10.1002/rra.3131	Feb 2017	A.S. Milde, W.B. Richardson, E.A. Strauss, J.H. Larson, J.M. Vallazza, B.C. Knights	Spatial and Temporal Dynamics of Suspended Particle Characteristics and Composition in Navigation Pool 19 of the Upper Mississippi River
<i>PLOS ONE</i>	doi:10.1371/journal.pone.0171032	Feb 2017	Tamar Goulet, Kartick Shirur, Blake Ramsby, Roberto Iglesias-Prieto	The effects of elevated seawater temperatures on Caribbean gorgonian corals and their algal symbionts, <i>Symbiodinium</i> spp.
<i>Progress in Oceanography</i>	doi: 10.1016/j.pocean.2017.01.001	Jan 2017	Elaine Fileman, Daniel White, Rachel Harmer, Ulgen Aytan, Glen Tarran, Tim Smyth, Angus Atkinson	Stress of life at the ocean's surface: Latitudinal patterns of UV sunscreens in plankton across the Atlantic
<i>Applied and Environmental Microbiology</i>	doi: 10.1128/AEM.03317-16	Jan 2017	Eva Alvarez, Enrique Nogueira, Angel Lopez-Urrutia	In-vivo single-cell fluorescence and the size-scaling of phytoplankton chlorophyll content
<i>Journal of Sea Research</i>	doi: 10.1016/j.seares.2017.01.003	Jan 2017	Jocelyn Kydd, Harshana Rajakaruna, Elizabetha Briski, Sarah Bailey	Examination of a high resolution laser optical plankton counter and FlowCam for measuring plankton concentration and size
<i>Journal of Phycology</i>	doi: 10.1111/jpy.12504	Jan 2017	Katariina Natunen, Jukka Seppälä, Riikka-Juulia Koivula, Jukka Pellinen	Monitoring cell-specific neutral lipid accumulation in <i>Phaeodactylum tricorutum</i> (Bacillariophyceae) with Nile Red staining - a new method for FlowCAM

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<i>Harmful Algae</i>	doi: 10.1016/j.hal.2017.01.011	Jan 2017	P.W. Lehman, T. Kurobe, S. Lesmeister, D. Baxa, A. Tung, S.J. Teh	Impacts of the 2014 severe drought on the <i>Microcystis</i> bloom in San Francisco Estuary
<i>University of Colorado Master's Thesis</i>	<a href="https://search.proquest.com/openview/ea0533f1134c45835430aa5f89076d15/1?pq-origsite=gscholar&amp;cbl=18750&amp;diss=y">https://search.proquest.com/openview/ea0533f1134c45835430aa5f89076d15/1?pq-origsite=gscholar&amp;cbl=18750&amp;diss=y</a>	2017	Matthew Richard Oliver	The Effects of Climate Change on an Alpine Lake System: A Mesocosm Experiment
<i>University of Rhode Island Master's Thesis</i>	<a href="http://digitalcommons.uri.edu/theses/1072">http://digitalcommons.uri.edu/theses/1072</a>	2017	Neil Redmond	Assessment of Fluid Imaging for Determination of Diatom Assemblage Composition and Biometrics of Southern Ocean Sediment
<i>Research Journal of Pharmaceutical, Biological, and Chemical Sciences</i>	ISSN: 0975-8585	Dec 2016	Roslan Omar, Zaharah Ibrahim, Zailan Zahid, Elias Ismail, Ikmal Hisham, Shahzatul Irwan Omar, Siddiq Mustafar	Algae Disintegration in Raw Water at Semberong Barat Dam Johor Malaysia Using Sonification Wave
<i>Limnology and Oceanography</i>	doi: 10.1002/lno.10483	Nov 2016	Bernadette Pree, Aud Larsen, Jorun Karin Egge, Paolo Simonelli, Rakhesh Madhusoodhanan, Tatiana Margo Tsargaraki, Selina Vage, Svein Rune Erga, Gunnar Bratbak, T. Frede Thingstad	Dampened copepod-mediated trophic cascades in a microzooplankton-dominated microbial food web: A mesocosm study
<i>Algal Research</i>	doi: 10.1016/j.algal.2016.11.012	Nov 2016	Yifei Wang, Maria Castillo-Keller, Everett Eustance, Milton Sommerfeld	Early detection and quantification of zooplankton grazers in algal cultures by FlowCam
<i>BRACIS Conference Publication</i>	doi: 10.1109/BRACIS.2016.020	Oct 2016	Iago Corrêa, Paulo Drews Jr., Márcio Silva de Souza, Virginia Maria Tavano	Super microalgae classification in imbalanced dataset
<i>Ocean Science Journal</i>	Vol. 51 Issue 3, pp 333-342	Sept 2016	Bonggil Hyun, Se-Jong Ju, Ah-Ra Ko, Keun-Hyung Choi, Seung Won Jung, Pung-Guk Jang, Min-Chul Jang, Chang Ho Moon, Kyoungsoon Shin	Thermal effects on the growth and fatty acid composition of four harmful algal bloom species: Possible implications for ichthyotoxicity
<i>Global Change Biology</i>	doi: 10.1111/gcb.13512	Sept 2016	Darren Giling, Jens Nejstgaard, Stella Berger, Hans-Peter Grossart, Georgiy Kirillin, Armin Penske, Maren Lentz, Peter Casper, Jorg Sareyka, Mark Gessner	Thermocline deepening boosts ecosystem metabolism: Evidence from a large-scale lake enclosure experiment simulating a summer storm
<i>Optics Express</i>	Vol. 24, No. 18	Sept 2016	Ivona Cetinic, Nicole Poulton, Wayne Slade	Characterizing the phytoplankton soup: pump and plumbing effects on the particle assemblage in underway optical seawater systems
<i>Biotechnology for Biofuels</i>	doi: 10.1186/s13068-016-0595-x	Sept 2016	Iago Teles Dominguez Cabanelas, Mathijs van der Zwart, Dorinde M. M. Kleinegris, René H. Wijffels, and Maria Barbosa	Sorting cells of the microalga <i>Chlorococcum littorale</i> with increased triacylglycerol productivity

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<i>Journal of Plankton Research</i>	doi: 10.1093/plankt/fbw052	Aug 2016	Carmen Mompeán, Antonio Bode, Mikel Latasa, Bieito Fernández-Castro, Beatriz Mouriño-Carballido, Xabier Irigoien	The influence of nitrogen inputs on biomass and trophic structure of ocean plankton: a study using biomass and stable isotope size-spectra
<i>Journal of Experimental Marine Biology and Ecology</i>	doi: 10.1016/j.jembe.2016.07.008	July 2016	Brenda Maria Soler-Figueroa, Ernesto Otero	Seasonal changes in bioluminescence and dinoflagellate composition in a tropical bioluminescent bay, Bahía Fosforescente, La Parguera, Puerto Rico
<i>Science Advances</i>	doi: 10.1126/sciadv.1501822	July 2016	Fanny Monteiro, Lennart Bach, Colin Brownlee, Paul Brown, Rosalind Rickaby, Alex Poulton, Toby Tyrrell, Luc Beaufort, Stephanie Dutkiewicz, Samantha Gibbs, Magdalena Gutowska, Renee Lee, Ulf Riebesell, Jeremy Young and Andy Ridgwell	Why marine phytoplankton calcify
<i>Journal of Geophysical Research</i>	doi: 10.1002/2016JC011720	June 2016	M. D. Rowe, E. J. Anderson, T. T. Wynne, R. P. Stumpf, D. L. Fanslow, K. Kijanka, H. A. Vanderploeg, J. R. Strickler <sup>4</sup> , T. W. Davis	Vertical distribution of buoyant <i>Microcystis</i> blooms in a Lagrangian particle tracking model for short-term forecasts in Lake Erie
<i>Electronic Journal of Biotechnology</i>	<a href="http://dx.doi.org/10.1016/j.ejbt.2016.06.005">http://dx.doi.org/10.1016/j.ejbt.2016.06.005</a>	May 2016	Reda A.I. Abou-Shanab, Manjinder Singh, Anangelica Rivera-Cruz, Grace Power, Thomas Bagby-Moon, Keshav Das	Effect of <i>Brachionus rubens</i> on the growth characteristics of various species of microalgae
<i>Springer Science + Business Media</i>	doi: 10.1007/978-1-4939-3302-0_17	Apr 2016	Natasha S. Barteneva, Ivan A. Vorobjev, and Nicole Poulton	Imaging Flow Cytometry: Methods and Protocols, Methods in Molecular Biology / Chapter 17 - FlowCam: Quantification and Classification of Phytoplankton by Imaging Flow Cytometry
<i>SPIE.</i>	doi: 10.1117/12.222.5875	May 2016	Christy A. Jenkins, Joaquim Goes, Kali McKee, Helga Gomes, Robert Arnone, Menghua Wang, Michael Ondrusek, P.V. Nagamani, T. Preethi Latha, K.H. Rao, V.K. Dadhwal	High-resolution shipboard measurements of phytoplankton: a way forward for enhancing the utility of satellite SST and chlorophyll for mapping microscale features and frontal zones in coastal waters
<i>The Royal Society - Publishing</i>	doi: 10.1098/rspb.2016.0176	Apr 2016	Rachel Lasley-Rasher, Kathryn Nagel, Aakanksha Angra, Jeannette Yen	Intoxicated copepods: ingesting toxic phytoplankton leads to risky behaviour
<i>Chemical Engineering Journal</i>	doi: 10.1016/j.cej.2016.03.128	Apr 2016	Teodora Rutar Shuman, Gregory Mason, Daniel Reeve, Alexander Schacht, Ann Goodrich, Katherine Napan, Jason Quinn	Low-Energy Input Continuous Flow Rapid Pre-Concentration of Microalgae through Electro-Coagulation Flocculation
<i>Environmental Earth Sciences</i>	10.1007/s12665-015-5124-x	April 2016	Yu-Jie Cui, De-Fu Liu, Jia-lei Zhang, Zheng-Jian Yang, Soon-Thiam Khu, Dao-Bin Ji, Lin-Xu Song, Liang-Hong Long	Diel migration of <i>Microcystis</i> during an algal bloom event in the Three Gorges Reservoir, China
<i>Nature Communications</i>	7:10984, DOI: 10.1038/ncomms10984	Mar 2016	Christopher F. Clements, Arpat Ozgul	Including trait-based early warning signals helps predict population collapse
<i>Environ. Monitor Assessment</i>	doi   10.1007/s10661-016-5230-6	Feb 2016	L. Jagadeesan & R. Jyothibabu	Tumour-like anomaly of copepods-an evaluation of the possible causes in Indian marine waters



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Publication	Volume	Date	Authors	Title
<b>LIMNOLOGY and OCEANOGRAPHY: METHODS</b>	doi: 10.1002/lom3.10090	2016	Marianne G. Camoying, Aletta T. Yniguez	FlowCAM optimization: Attaining good quality images for higher taxonomic classification resolution of natural phytoplankton samples
<b>Bioresource Technology</b>	S0960-8524(16)30144-4	Feb 2016	Rahulkumar Maurya, Chetan Paliwal, Kaumeel Chokshi, Imran Pancha, Tonmoy Ghosh, Gour Gopal Satpati, Ruma Pal, Arup Ghosh, Sandhya Mishra	Hydrolysate of lipid extracted microalgal biomass residue: An algal growth promoter and enhancer
<b>Proceedings B</b>	175 (2015) 56–71	Jan 2016	Carmen Garcí'a-Comas, Akash R. Sastri, Lin Ye, Chun-Yi Chang, Fan-Sian Lin, Min-Sian Su, Gwo-Ching Gong, Chih-hao Hsieh	Prey size diversity hinders biomass trophic transfer and predator size diversity promotes it in planktonic communities
<b>Marine Ecology Progress Series</b>	Vol. 542: 63–77, 2016, doi: 10.3354/meps11560	Jan 2016	Jessica L. Ray, Katrine S. Skaar, Paolo Simonell, Aud Larsen, Andrey Sazhin, Hans H. Jakobsen, Jens C. Nejtgaard, Christofer Troedsson	Molecular gut content analysis demonstrates that <i>Calanus</i> grazing on <i>Phaeocystis pouchetii</i> and <i>Skeletonema marinoi</i> is sensitive to bloom phase but not prey density
<b>Planet Ocean LTD</b>		2016	Kira Coley	From above and below: Monitoring Plankton in a Changing World
<b>Journal of Plankton Research</b>	0(0): 1–11. doi:10.1093/plankt/fbv121	2016	Mar Benavides, Pia H. Moisaner, Meaghan C. Daley, ANTONIO Bode, Javier Aristegui	Longitudinal variability of diazotroph abundances in the subtropical North Atlantic Ocean
<b>Marine Ecology Progress Series</b>	doi: 10.3354/meps11289	June 2015	Jagadish S. Patil & Arga Chandrashekar Anil	Effect of monsoonal perturbations on the occurrence of phytoplankton blooms in a tropical bay
<b>Marine Chemistry</b>	175 (2015) 56–71	Mar 2015	Carolina Cisternas-Novoa, Cindy Lee, Anja Engel	Transparent exopolymer particles (TEP) and Coomassie stainable particles (CSP): Differences between their origin and vertical distributions in the ocean
<b>Environmental Microbiology</b>	Microb Ecol doi 10.1007/s00248-015-0715-3	Nov 2015	Elena Bañares-España, María del Mar Fernández-Arjona, María Jesús García-Sánchez, Miguel Hernández-López, Andreas Reul, Mariona Hernández Mariné, Antonio Flores-Moya	Sulphide Resistance in the Cyanobacterium <i>Microcystis aeruginosa</i> : a Comparative Study of Morphology and Photosynthetic Performance Between the Sulphide-Resistant Mutant and the Wild-Type Strain
<b>AQUATIC BIOLOGY Aquat Biol</b>	Vol. 22: 59–76, 2014doi: 10.3354/ab00585	Nov 2015	A. Reul, M. Muñoz, B. Bautista, P. J. Neale, C. Sobrino, J. M. Mercado, M. Segovia, S. Salles, G. Kulk, P. León, W. H. van de Poll, E. Pérez, A. Buma, J. M. Blanco	Effect of CO <sub>2</sub> , nutrients and light on coastal plankton. III. Trophic cascade, size structure and composition
<b>Journal of International Water Research</b>	DOI:10.1016/j.watres.2015.11.042/WR 11669	Nov 2015	Jr-Lin Lin, Lap-Cuong Hua, Yuting Wu, Chihpin Huang	Pretreatment of algae-laden and manganese-containing waters by oxidation-assisted coagulation: Effects of oxidation on algal cell viability and manganese precipitation
<b>Journal of Phycology</b>	doi: 10.1111/jpy.12337	Aug 2015	Habiba Zmerli Triki, Mohamed Laabir, Ons Kéfi Daly-Yahia	Life history, excystment features and growth characteristics of the Mediterranean harmful dinoflagellate <i>Alexandrium pseudogonyaulax</i>
<b>Environmental Development</b>	ENVDEVD150081	Aug 2015	H.M. Verheyey, T. Lamont, J.A. Huggett, A. Kreinerd, I. Hampton	Plankton productivity of the Benguela Current Large Marine Ecosystem (BCLME)
<b>Deep Sea Research Part II: Topical Studies in Oceanography</b>		Aug 2015	R. L. Pleuthner, C. T. Shaw, M. J. Schatz, E. J. Lessard, H. R. Harvey	Lipid Markers of diet history and their retention during experimental starvation in the Bering sea euphausiid <i>Thysanoessa raschii</i>
<b>Industrial Biotechnology</b>	Vol: 11 Issue 4	Aug 2015	White, Rebecca L. and Ryan, Rebecca A.	Long-Term Cultivation of Algae in Open-Raceway Ponds: Lessons from the Field
<b>Limnology Oceanography Bulletin</b>		Aug 2015	Michael Sieracki	A Personal View of the Tara Oceans Expedition

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<i>Ecosphere ESA Journals</i>	Vol. 6(7) Article 116	July 2015	H.R. Naughton, M.A., Alexandrou, T.H. Oakley, B.J. Cardinale	Phylogenetic distance does not predict competition in green algal communities
<i>Limnol. Oceanogr.</i>	00, 2015, 00–00	May 2015	Diane K. Stoecker, Jens C. Nejtgaard, Rakesh Madhusoodhanan, Georg Pohnert, Stefanie Wolfram, Hans Henrik Jakobsen, Sigita Šulcīus, Aud Larsen	Underestimation of microzooplankton grazing in dilution experiments due to inhibition of phytoplankton growth
<i>Journal of Plankton Research</i>	37(4):666-670, doi:10.1093/plankt/fbv0	Apr 2015	Baptiste Le Bourg, Véronique Cornet-Barthaux, Marc Pagano, Jean Blanchot	FlowCAM as a tool for studying small (80–1000 μm) metazooplankton communities
<i>The Journal of Applied Phycology</i>	doi:10.1007/s10811-015-0567-8	Mar 2015	M. L. Bartley, W. J. Boeing, D. Daniel, B. N. Dungan, T. Schaub	Optimization of environmental parameters for <i>Nannochloropsis salina</i> growth and lipid content using the response surface method and invading
<i>Limnol. Oceanogr.</i>	00, 2015, 1–26	Jan 2015	Aud Larsen, Jorun K. Egge, Jens C. Nejtgaard, Iole Di Capua, Runar Thyraug, Gunnar Bratbak, T. Frede Thingstad	Contrasting response to nutrient manipulation in Arctic mesocosms are reproduced by a minimum microbial food web model
<i>Microbiology of Aquatic Systems</i>	doi:10.1007/s00248-015-0573-z	Feb 2015	A. W. Silva-Lima, J. M. Walter, G. D. Garcia, N. Ramires, G. Ank, P. M. Meirelles, A. F. Nobrega, I. D. Siva-Neto, R. L. Moura, P. S. Salomon, C. C. Thompson, F. L. Thompson	Multiple <i>Symbiodinium</i> Strains Are Hosted by the Brazilian Endemic Corals <i>Mussismilia</i> spp.
<b>LIMNOLOGY and OCEANOGRAPHY: METHODS</b>	doi: 10.1002/lom3.10076	2015	Bernadette Pree, Constanze Kuhlisch, Georg Pohnert, Andrey F. Sazhin, Hans Henrik Jakobsen, Maria Lund Paulsen, Marc E. Frischer, Diane Stoecker, Jens C. Nejtgaard, Aud Larsen	A simple adjustment to test reliability of bacterivory rates derived from the dilution method
<i>Qscience Proceedings</i>	Qatar University Life Science Symp. QULSS 2015	2015	Mariam A. Safi, Pedro Range, DM Estremadura, Radhouane Ben Hamadou	Seasonal patterns of zooplankton in the Qatari coast (Arabian Gulf) and their relationship to environmental changes
<i>Aquatic Biology</i>	Vol. 22: 59-76	Nov 2014	A. Reul, M. Muñoz, B. Bautista, P. J. Neale, C. Sobrino, J. M. Mercado, M. Segovia, S. Salles, G. Kulk, P. León, W. H. van de Poll, E. Pérez, A. Buma, J. M. Blanco	Effect of CO <sub>2</sub> , nutrients and light on coastal plankton. III. Trophic cascade, size structure and composition
<i>Biosource Technology</i>		Oct 2014	I. Teles D. Cabanelas, M. Zwart, D. M.M. Kleinegris, M. J. Barbosa, R. H. Wijffels	Rapid method to screen and sort lipid accumulating microalgae
<i>Aquatic Sciences</i>		Oct 2014	H. Masclaux, Sebastien Tortajada, Olivier Phillipine, Francois-Xavier Robin, Christine Dupuy	Planktonic food web structure and dynamic freshwater marshes after a lock closing in early spring
<i>Northwest Science</i>		Oct 2014	Michelle A. Maier, Tawnya D. Peterson	Observations of a Diatom Chytrid Parasite in the Lower Columbia River
<i>Association for the Sciences of Limnology and Oceanography</i>		Sept 2014	W. M. Balch, D. T. Drapeau, B. C. Bowler, E. R. Lyczkowski, L. C. Lubelczyk, S. C. Painter, A.J. Poulton	Surface biological, chemical, and optical properties of the Patagonian Shelf coccolithophore bloom, the brightest waters of the Great Calcite Belt
<i>Springerlink.com</i>		Sept 2014	K. Natunen, J. Seppälä, D. Schwenk, H. Rischer, K. Spilling, T. Tamminen	Nile Red staining of phytoplankton neutral lipids: species-specific fluorescence kinetics in various solvents
<i>China University of Mining and Technology Press, Xuzhou</i>		Aug 2014	Mulalo Grace Khabubu and Jabulani Ray Gumbo	Identification of Cyanobacterial Communities and Their Microcystin Congeners in Soda Pits at Nyla Magnesite Mine, South Africa
<i>Journal of Paleolimnology</i>		July 2014	Robert M. D'Anjou, Nicholas L. Balascio, Raymond S. Bradley	Locating cryptotephra in lake sediments using fluid imaging technology

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<i>Journal of Plankton Research</i>		July 2014	Kelsey L. Poulson-Ellestad, Elizabeth McMillan, Joseph P. Montoya, Julia Kubanek	Are offshore phytoplankton susceptible to <i>Karenia brevis</i> allelopathy?
<i>Biogeosciences Discuss.</i>		June 2014	Cetinic, M. J. Perry, E. D'Asaro, N. Briggs, N. Poulton, M. E. Sieracki, C. M. Lee	Optical community index to assess spatial patchiness during the 2008 North Atlantic Bloom
<i>Proceedings from the National Academy of Sciences</i>	Vol. 111 No. 123	June 2014	Kelsey L. Poulson-Ellestad, Christina M. Jones, Jessie Roy, Mark R. Viant, Facundo M. Fernández, Julia Kubanek, and Brook L. Nunn	Metabolomics and proteomics reveal impacts of chemically mediated competition on marine plankton
<i>Frontiers in Microbiology</i>		May 2014	Todd William Lane, Laura Truesdale Carney	Parasites in algae mass culture
<i>Journal of Plankton Research</i>		May 2014	Cristina Garcia-Munoz, Carolos M. Garcia, Luis M. Lubian, Angel Lopez-Urrutia, Santiago Hernandez-Leon, Julia Ameneiro	Metabolic state along a summer north-south transect near the Antarctic Peninsula: a size spectra approach
<i>Western Washington University, King County Environmental Lab King County Department of Natural Resources and Parks Seattle, Washington</i>	Salish Sea Eco. Conf. Paper 52.	May 2014	Gabriela Hannach, Lyndsey Sandwick	Longitudinal variability of diazotroph abundances in the subtropical North Atlantic Ocean
<i>Biomass &amp; Bioenergy</i>		Apr 2014	Herman Campos, Wiebke J. Boeing, Barry N. Dungan, Tanner Schaub	Cultivating the marine microalga <i>Nannochloropsis salina</i> under various nitrogen sources: Effect on biovolume yields, lipid content and composition, and invasive organisms
<i>Estuaries and Coasts</i>		May 2014	P. W. Lehman, C. Kendall, M. A. Guerin, M. B. Young, S. R. Silva, G. L. Boyer, S.J. The	Characterization of the <i>Microcystis</i> Bloom and Its Nitrogen Supply in San Francisco Estuary Using Stable Isotopes
<i>Ecology</i>	Vol. 95 No. 4 Pp 897-909	Apr 2014	Chun-Wei Chang, Takeshi Miki, Fuh-Kwo Shiah, Shuh-JiKao, Jiun-Tzong Wu, Akash R. Sastri, Chih-Hao Hsieh	Linking secondary structure of individual size distribution with nonlinear size-trophic level relationship in food webs
<i>Water Research Foundation</i>		Apr 2014	Eric D. Wert, Mei Mei Dong, Fernando L. Rosario-Ortiz, Julie Korak	Release of Intracellular Metabolites from Cyanobacteria During Oxidation Processes
<i>PLOS ONE</i>		Mar 2014	Albert Calbet, Andrey F. Sazhin <sup>2</sup> , Jens C. Nejstgaard, Stella A. Berger, Zachary S. Tait, Lorena Olmos, Despoina Sousoni, Stamatina Isari, Rodrigo A. Martinez, Jean-Marie Bouquet, Eric M. Thompson, Ulf Ba <sup>m</sup> stedt, Hans H. Jakobsen	Future Climate Scenarios for a Coastal Productive Planktonic Food Web Resulting in Microplankton Phenology Changes and Decreased Trophic Transfer
<i>Deep Sea Research II</i>		Mar 2014	Beth A. Stauffer, Joaquim I. Goes, Kali T. McKee, Helga do Rosario Gomes, Phyllis J. Stabeno	Comparison of spring-time phytoplankton community composition in two cold years from the western Gulf of Alaska into the southeastern Bering Sea
<i>Marine Drugs</i>		Mar 2014	Soledad Morillo-García, Nerea Valcárcel-Pérez, Andrés Cózar, María J. Ortega, Diego Macías, Eduardo Ramírez-Romero, Carlos M. García, Fidel Echevarría, Ana Bartual	Potential Polyunsaturated Aldehydes in the Strait of Gibraltar under Tow Tidal Regimes

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<i>Marine Ecology Progress Series</i>		Mar 2014	Pablo Sangra, Christina Garcia-Munoz, Carolos M. Garcia, Angeles Marrero-Diaz, Christina Sobrino, Beatriz-Mourino-Carballido, Borja Aguiar-Gonzalez, Christian Henriquez-Pastene, Angel Rodriguez-Santana, Luis M. Lubian, Monica Hernandez-Arencibia, Santiago Hernandez-Leon, Elsa Vazquez, Sheila N. Estrada-Allis	Coupling between upper ocean layer variability and size-fractionated phytoplankton in a non-nutrient-limited environment
<i>Bioresource Technology</i>		Feb 2014	Teodora Rutar Schuman, Gregory Mason, Michael D. Marsolek, Yizhou Lin, Daniel Reeve, Alexander Schacht	An ultra-low energy method for rapidly pre-concentrating microalgae
<i>Bull. Plankton Society Japan</i>	61(1):34-40,2014	2014	Kazuhiko Koike, Maung Saw Htoo Thaw, Sigeru Kitahara	On an application of FlowCam to monitor wide-range occurrences of phytoplankton: especially focusing on red-tide surveys
<i>Marine Pollution Bulletin</i>		Dec 2013	Yanyan Gong, Xiao Shao, Shengping Cai, S.E. O'Reilly, Xiaodi Hao, Dongye Zhao	A review of oil, dispersed oil and sediment interactions in the aquatic environment: Influence on fate, transport and remediation of oil spills
<i>Freshwater Biology</i>		Dec 2013	Ryan J. Sorichetti, Irena F. Creed, Charles G. Trick	Evidence for iron-related cyanobacterial predominance in oligotrophic lakes
<i>ScienceDirect</i>		Nov 2013	Eric C. Wert, Julie A. Korak, Rebecca A. Trenholm, Fernando L. Rosario-Ortiz	Effect of oxidant exposure on the release of intracellular microcystin, MIB, and geosmin from three cyanobacteria species
<i>PLOS ONE</i>		Oct 2013	Rodrigo Almeda, Zoe Wambaugh, Chao Chai, Zucheng Wang, Zhanfei Lui, Edward J. Buskey	Effects of Crude Oil Exposure on Bioaccumulation of Polycyclic Aromatic Hydrocarbons and Survival of Adult and Larval Stages of Gelatinous Zooplankton
<i>Deep-Sea Research II</i>		Sept 2013	Diane K. Stoecker, Alison C. Weigel, Dean A. Stockwell, Michael W. Lomas	Microzooplankton: Abundance, Biomass and Contribution to Chlorophyll in the Eastern Bering Sea in Summer
<i>The Brazilian Computer Society 2013</i>		Aug 2013	Paulo Drews-Jr., Rafael G. Colares, Pablo Machado, Matheus de Faria, Amália Detoni, Virginia Tavano	Microalgae classification using semi-supervised and active learning based on Gaussian mixture models
<i>Atmospheric Environment</i>		Aug 2013	Natasha R. Goss, Natalie Mladenov, Christine M. Seibold, Kurt Chowanski, Leslie Seitz, T. Barret Wellemeyer, Mark W. Williams	Quantifying particulate matter deposition in Niwot Ridge, Colorado: Collection of dry deposition using marble inserts and particle imaging using the FlowCAM
<i>Proceedings of The Royal Society B – Biological Sciences</i>		Aug 2013	Patrick A. Venail, Markos A. Alexandrou, Todd H. Oakley and Bradley J. Cardinale	Shared ancestry influences community stability by altering competitive interactions: evidence from a laboratory microcosm experiment using freshwater green algae
<i>Future Science Group</i>		Aug 2013	John G. Day	Grazers: the overlooked threat to the sustained production of future algal biofuels
<i>Hydrobiologia</i>		Aug 2013	P.W. Lehman, K. Marr, G.L. Boyer, S. Acuna, S.J.	Long-term trends and causal factors associated with Microcystis abundance and toxicity in San Francisco Estuary and implications for climate change impacts
<i>Biogeosciences</i>	Pp 5267-5280	Aug 2013	F.H. Chang, E.C. Marquis, C.W. Chang, G.C. Gong, C.H. Hsieh	Scaling of growth rate and mortality with size and its consequence on size spectra of natural microphytoplankton assemblages in the East China Sea
<i>Journal of Plankton Research</i>		July 2013	Eva Alvarez, Marta Moyano, Angel Lopez-Urrutia, Enrique Noguiera, Renate Scharek	Routine determination of plankton community composition and size structure: a comparison between FlowCAM and light microscopy
<i>PLOS ONE</i>		July 2013	Carlos Caceres, Fernando Gonzalez Taboada, Juan Hofer, Ricardo Anadon	Phytoplankton growth and microplankton grazing in the subtropical Northeast Atlantic

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<i>Polar Bio</i>		May 2013	Cristina Garcia-Munoz, Luis M. Lubian, Carlos M. Garcia, Angeles Marrero-Diaz, Pablo Sangra, Maria Vernet	A mesocale study of phytoplankton assemblages around the South Shetland Islands (Antarctica)
<i>Water Research</i>		Apr 2013	Eric C. Wert, Mei Mei Dong, Fernando L. Rosario-Ortiz	Using digital flow cytometry to assess the degradation of three cyanobacteria species after oxidation processes
<i>Population Ecology</i>	Vol. 55 Pp 247-259	Apr 2013	Pei-Chi Ho, Chun-Wei Chang, Chih Hao Hsieh, Fuh-Kwo Shiah, Takeshi Miki	Effects of increasing nutrient supply and omnivorous feeding on the size spectrum slope: a size-based nutrient-phytoplankton-zooplankton model
<i>Journal of Applied Phycology</i>		Apr 2013	Takako Tanoi, Masanobu Kawachi, Makoto M. Watanabe	Iron and glucose effects on the morphology of <i>Botryococcus braunii</i> with assumption on the colony formation variability
<i>Journal of Sea Research</i>		Apr 2013	Christina Garcia-Munoz, Angel Lopez-Urrutia, Luis M. Lubian, Carlos M. Garcia, Santiago Hernandez-Leon	A comparison of primary production models in an area of high mesoscale variability (South Shetland Islands, Antarctic)
<i>Marine Pollution Bulletin</i>		Jan 2013	Katharine J. Carney, Oihane C. Basurko, Kayvan Pazouk, Sara Marsham, Jane E. Delany, D.V. Desai, A.C. Anil, Ehsan Mesbahi	Difficulties in obtaining representative samples for compliance with the Ballast Water Management Convention
<i>Remote Sensing of Environment</i>	128, Pp 185-196	2013	Eko Siswanto,, Joji Ishizaka, Sarat Chandra Tripathy, Kazuyoshi Miyamura	Detection of harmful algal blooms of <i>Karenia mikimotoi</i> using MODIS measurements: A case study of Seto-Inland Sea, Japan
<i>Journal of Shellfish Research</i>	Vol. 31 Issue 4, Pp 1091-1101	Dec 2012	Raymond M. Mroch III, David B. Eggleston, Brandon J. Puckett	Spatiotemporal Variation in Oyster Fecundity and Reproductive Output in a Network of No-Take Reserves
<i>Continental Shelf Research</i>		Dec 2012	D. Kamykowski, K.Grabowski Pridgen, J.M. Morrison, A.A. McCulloch, E.S. Nyadjro, C.A. Thomas, G.A. Sinclair	Cold front induced changes on the Florida panhandle shelf during October 2008
<i>PLOS ONE</i>	Vol. 7 Issue 12	Dec 2012	Susan C. Sharpe , Julie A. Koester, Martina Loebel, Amanda M. Cockshutt, Douglas A.Campbell, Andrew J. Irwin, Zoe V. Finkel	Influence of Cell Size and DNA Content on Growth Rate and Photosystem II Function in Cryptic Species of <i>Ditylum brightwellii</i>
<i>Marine Biology</i>		Dec 2012	Christofer Troedsson, Jean-Marie Bouquet, Carla M. Lobon, Aliona Novac, Jens C. Nejstgaard, Sam Dupont, Suncica Bosak, Hans H. Jakobsen, Nadezda Romanova, Lene M. Pankoke, Alejandro Isla, Jo`rg Dutz, Andrey F. Sazhin, Eric M. Thompson	Effects of ocean acidification, temperature and nutrient regimes on the appendicularian <i>Oikopleura dioica</i> : a mesocosm study
<i>Limnology &amp; Oceanology: Methods</i>	Pp 882-890	Nov 2012	Sarah A. Spaulding, David H. Jewson, Rebecca J. Bixby, Harry Nelson, Diane M. McKnight	Automated measurement of diatom size
<i>Biogeosciences</i>	9, Pp 3337-3355	Aug 2012	N. Mladenov, M. W. Williams, S. K. Schmidt, and K. Cawley	Atmospheric deposition as a source of carbon and nutrients to an alpine catchment of the Colorado Rocky Mountains
<i>PLOS ONE</i>		July 2012	Alice C. Ortmann, Jennifer Anders, Naomi Shelton, Limin Gong, Anthony G. Moss, Robert H. Condon	Dispersed Oil Disrupts Microbial Pathways in Pelagic Food Webs
<i>Journal of Geophysical Research</i>		May 2012	Ivona Cetinic, Mary Jane Perry, Nathan T. Briggs, Emily Kallin, Eric A. D'Asaro, and Craig M. Lee	Particulate organic carbon and inherent optical properties during 2008 North Atlantic Bloom Experiment
<i>Journal of Marine Science</i>	Pp 347-350	May 2012	Juile E. Keister, Delphine Bonnett	Zooplankton population connections, community dynamics, and climate variability
<i>Marine Biology</i>	159:1853-1864	2012	Lennart Thomas Bach, Ulf Riebsell, Scarlett Sett, Sarah Febiri, Paul Rzepka, Kai Georg Schultz	An Approach for particle sinking velocity measurements in the 3-400 um range and considerations on the effect of temperature on sinking rates
<i>Marine Ecology Progress Series</i>	451, Pp 15-29	Apr 2012	Roswati Md Amin,Ulf Båmstedt, Jens C. Nejstgaard, Iole Di Capua	Partition of planktonic respiratory carbon requirements during a phytoplankton spring bloom

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<i>Bioresource Technology</i>		Mar 2012	John J. Day, Naomi J. Thomas, Undine E.M. Achilles-Day, Raymond J.G. Leakey	Early detection of protozoan grazers in algal biofuel cultures
<i>Journal of Plankton Review</i>	Pp 493-509	Mar 2012	Eva Mariazetsche, Filip J.R. Meysman	Dead or Alive? Viability assessment of micro and mesoplankton
<i>Journal of Plankton Review</i>		Mar 2012	Eva A. Álvarez, Ángel López-Urrutia, Enrique Nogueira	Improvement of plankton biovolume estimates derived from image-based automatic sampling devices: application to FlowCAM
<i>Microbiology of Aquatic Systems</i>		Mar 2012	Carole A. Llewellyn, Daniel A. White, Victor Martinez-Vincente, Glen Tarran, Tim J. Smyth.	Distribution of Mycosporine-Like Amino Acids Along a Surface Water Meridional Transect of the Atlantic on oceanic phytoplankton
<i>Marine Biology</i>	159:643-660	2012	M.Koski, L.Yebra, J.Dutz, S.H.Jonasdottir, C.Vidoudez, H.H.Jacobsen, G.Pohnert, J.C.Nejstgaard	The effect of egg versus seston quality on hatching success, naupliar metabolism and survival of <i>Calanus finmarchicus</i> in mesocosms dominated by <i>Phaeocystis</i> and diatoms
<i>Hydrobiologica</i>	680:53-62	2012	Cedric Leo Meunier, Florian M. Hantzsche, Alessandra O. Cunha-Dupont, Julia Haafke, mBettina Oppermann, Arne M. Malzahn, Maarten Boersma	Intraspecific selectivity, compensatory feeding and flexible homeostasis in the phagotrophic flagellate <i>Oxyrrhis marina</i> : three ways to handle food quality fluctuations
<i>Atlantic Meridional Transect</i>		Sept - Nov 2011	Glen Tarran	AMT21 Cruise Report : Atlantic Meridional Transect
<i>Opflow</i>	Pp 20-21	Oct 2011	Jonathan Dawson	Quick Response is Key to Solving Taste and Odor Problems
<i>Journal of Applied Phycology</i>	Pp 25-33	2011	Takato Tanoi, Masanobu Kawachi, Makoto M. Wataanabe	Effects of carbon source on growth and morphology of <i>Botryococcus braunii</i>
<i>Journal of Yeast and Fungal Research</i>	Pp 106-112	Aug 2011	Radha Pyati, Lindsay L. Elvir, Erica C. Charles, Umawattee Seenath, Tom D. Wolkow	Imaging flow cytometric analysis of <i>Schizosaccharomyces pombe</i> morphology
<i>Marine Pollution Bulletin</i>	Pp 1233-1244	June 2011	K.J. Karney, J.E. Delany, S. Sawant, E. Mesbahi	The effects of prolonged darkness on temperate and tropical marine phytoplankton and their implications for ballast water risk management
<i>World Water</i>	Pp 30-32	June 2011		Advanced particle imaging and analysis reveals contaminants in seconds
<i>Journal of Applied Phycology</i>		June 2011	Mia K. Steinberg, Matthew r. First, Edward J. Lemieux, Lisa A. Drake, Bruce N. Nelson, David M. Kulis, Donald M. Anderson,	Comparison of techniques used to count single-celled viable phytoplankton
<i>Biogeosciences</i>	Vol. 8, Pp 1291-1307	May 2011	W. Bagniewski, K. Fennel, M. J. Perry, and E. A. D'Asaro	Optimizing models of the North Atlantic spring bloom using physical, chemical and bio-optical observations from a Lagrangian float
<i>NSF Biological &amp; Chemical Oceanography Data Management Office</i>		Mar 2011	Michael Sieracki, Nicole J. Poulton	The 2008 North Atlantic Bloom Experiment - Abundance and Biomass determination of heterotrophic and autotrophic bacteria, phototrophic and heterotrophic nanoplankton, & microplankton -including instrument calibration
<i>Environmental Pollution</i>	Pp 1307-1316	May 2011	Pedro Echeveste, Susana Ajusti, Jordi Dachs	Cell size dependence of additive versus synergetic effects of UV radiation and PAHs
<i>Marine Drugs</i>	Pp 345-358	Mar 2011	Charles Vidoudez, Jens Christian Nejtgaard, Hans Henrik Jakobsen, Georg Pohnert	Dynamics of dissolved and particulate polyunsaturated aldehydes in mesocosms inoculated with different densities of the diatom <i>Skeletonema marionoi</i>

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Publication	Volume	Date	Authors	Title
<i>Deep-Sea Research II</i>	Pp 493-511	Feb 2011	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	Co-limitation of diatoms by iron and silicic acid in the equatorial Pacific
<i>Journal of Plankton Review</i>	Pp 1-15	Jan 2011	Eva Álvarez, Ángel López-Urrutia, Enrique Nogueira, Santiago Fraga	How to effectively sample the plankton size spectrum? A case study using FlowCAM
<i>Journal of Applied Phycology</i>		Jan 2011	Maria Stockenreiter, Anne-Kathrin Graber, Florian Haupt & Herwig Stibor	The effect of species diversity on lipid production by micro-algal communities
<i>Belgian Science Policy – Research Programme Science for Sustainable Development</i>		2011	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	Combined effects of changing hydroclimate and human activity on coastal ecosystem health
<i>Marine Pollution Bulletin</i>	Vol. 60, Pp 2117-2122		A. G. Bauman, J.A. Burt, D.A. Feary, E. Marquis, P. Usselgio	Tropical harmful algal blooms: An emerging threat to coral reef communities
<i>Defense Technology</i>		Sept 2010	Edith A. Widder	Monitoring Bloom Dynamics of a Common Coastal Bioluminescent Ctenophore
<i>Journal of Geophysical Research</i>		Aug 2010	R.A. Reynolds, D Stramski, V.M. Wright, S.B. Wozniak	Measurements and characterization of particle size distributions in coastal waters
<i>Algae Industry Magazine</i>		Sept 2010	A.I.M Interview with Dr. Danny Kainer	Scale Up
<i>Journal of Applied Phycology</i>	Pp 25-33	June 2010	Takako Tanoi, Masanobu Kawachi, Makoto M. Watanabe	Effects of carbon source on growth and morphology of <i>Botryococcus braunii</i>
<i>Marine Ecology Progress Series</i>	Pp 99-110	May 2010	T. M. Pedersen, Rodrigo Almeda, Frank L. Fotel, Hans Henrik Jakobsen, Patrizio Mariani, Benni W. Hansen	Larval growth in the dominant polychaete <i>Polydora ciliata</i> is food-limited in a eutrophic Danish estuary (Isefjord)
<i>UNESCO-IOC, ICES Working Group, HAB Dynamics, from the manual Microscopic and Molecular Methods for Quantitative Phytoplankton Analysis.</i>	Pp 47-54	2010	Nicole J. Poulton, Jennifer L. Martin	Imaging flow cytometry for quantitative phytoplankton analysis – FlowCAM
<i>Journal of Plankton Review</i>	Pp 263-272	Mar 2010	Alexander Barofsky, Paolo Simonelli, Charles Viodouez, Christofer T roedsson, Jens C. Nejstgaard, Hans H. Jakobsen, Georg Pohnert	Growth phase of the diatom <i>Skeletonema marinoi</i> influences the metabolic profile of the cells and the selective feeding of the copepod <i>Calanus</i> spp.
<i>Harmful Algae</i>	Vol. 9, Issue 2: Pp 134-143	Feb 2010	Ana C. Garcia, Sibel Bargu, Padmanava Dash, Nancy N. Rabalais, Malinda Sutor	Evaluating the potential risk of microcystins to blue crab ( <i>Callinectes sapidus</i> ) fisheries and human health in a eutrophic estuary
<i>Emerging Ballast Water Management Systems from the “Proceedings of the IMO-WMU Research and Development Forum”</i>	Pp 241-245	Jan 2010	K. Peterson, H. Nelson	New data experiments using viability stains on treated ballast water for IMO compliance
<i>Ocean and Polar Research</i>	Pp 349-357	Dec 2009	Seung Ho Baek and Kyoungsoo Shin	Applicability of Fluorescein Diacetate (FDA) and Calcein-AM to Determine the Viability of Marine Plankton



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<i>American Water Works Association, Water Research Foundation</i>		Dec 2009	Phillip Tarrant, Tyler Sawyer, Rebecca Mestek and Susanne Neuer	Feasibility Study for Early Warning Systems for Algae-induced Tastes & Odors
<i>Journal of Plankton Research</i>	Pp 1-10	Dec 2009	A. Barofsky, P. Simonelli, C. Vidoudez, C. Troedsson, J. C. Nejstgarrd, H. H. Jakobsen, G. Pohnert	Growth phase of the diatom <i>Skeletonema marinoi</i> influences the metabolic profile of the cells and the selective feeding of the copepod <i>Calanus</i> spp.
<i>American Water Works Association Journal</i>	Vol. 101 No. 11, Pp 19-20	Nov 2009	Benjamin W. Spaulding	Field Report: Early Detection Can Help Eradicate Invasive Mussels
<i>Journal of Plankton Research</i>	Vol. 2, No. 2, Pp 193-207	Feb 2009	L. Zarauz, X. Irigoien, J.A. Fernandes	Changes in plankton size structure and composition, during the generation of a phytoplankton bloom, in the central Cantabrian sea
<i>Analytical Sciences</i>	Vol. 24, Pp 1623-1627	Dec 2008	Kitao Fujiwara, Shun Hirokawa, Motohide Aoki	Comparison of Fluorescence Correlation Spectrometry with the Ordinary Fluorescence Optical Configuration with Flow Cytometry as a Tool for Micrometer-level Size Determination
<i>Harmful Algae</i>	Pp 152-157	Dec 2008	Edward J. Buskey	How does eutrophication affect the role of grazers in harmful algal bloom dynamics?
<i>Ocean Systems</i>	Pp 22-25	Nov-Dec 2008	Nicole J. Poulton	Testing ballast water for zooplankton
<i>Journal of Experimental Marine Biology and Ecology</i>	Pp 48-53	Sept 2008	Raechel A. Littman, Madeleine J.H. van Hoppen, Bette L. Willis	Methods for sampling free-living Symbiodinium (zooxanthellae) and their distribution and abundance at Lizard Island (Great Barrier Reef)
<i>Journal of Plankton Research</i>	Vol. 30, No. 8, Pp 1297-130	Aug 2008	L. Zarauz, X. Irigoien	Effects of Lugol's fixation on the size structure of natural nano-microplankton samples, analyzed by means of an automated counting method
<i>Journal of Plankton Research</i>	Vol. 30, No. 8, Pp 857-872	Aug 2008	L. Zarauz, X. Irigoien, J.A. Fernandes	Modelling the influence of abiotic and biotic factors on plankton distribution in the Bay of Biscay, during three consecutive years (2004–06)
<i>Journal of Plankton Research</i>	Vol. 30, No. 4, Pp 467-481	2008	Unai Cotano, Xabier Irigoien, Egoitz Etxebeste, Paula Alvarez, Julien Mader, L. Ferrer	Distribution, growth and survival of anchovy larvae ( <i>Engraulis encrasicolus</i> L.) in relation to hydrodynamic and trophic environment in the Bay of Biscay
<i>Journal of Plankton Research</i>	Vol. 30, No. 3, Pp 275-281	2008	Keiichiro Ide, Kazutaka Takahashi, Akira Kuwata, Miwa Nakamachi, Hiroaki Saito	A rapid analysis of copepod feeding using FlowCAM
<i>American Water Works Association Journal</i>	Vol. 99 No. 11, Pp 50-54	Nov 2007	Betsy Reilly-Matthews, PhD	Particle Imaging and Analysis Instrumentation Minimizes Taste and Odor Complaints
<i>Marine Ecology Progress Series</i>	Vol. 345, Pp 37-39	Sept 2007	L. Zarauz, X. Irigoien, A. Urtizberea, M. Gonzalez	Mapping plankton distribution in the Bay of Biscay during three consecutive spring surveys
<i>Oceanography</i>	Vol. 20, No. 2	Jun 2007	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	Research of Automated Plankton Identification (RAPID)
<i>Journal of Plankton Research</i>	Vol. 29, No. 2, Pp 115-126	2007	C.F. Breier, E. J. Buskey	Effects of the red tide dinoflagellate, <i>Karenia brevis</i> , on grazing and fecundity in the copepod <i>Acartia tonsa</i>



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<i>Harmful Algae</i>	Vol. 5, No. 6, Pp 685-692	Dec 2006	Edward J. Buskey, Cammie J. Hyatt	Use of the FlowCAM® for semi-automated recognition and enumeration of red tide cells ( <i>Karenia brevis</i> ) in natural plankton samples
<i>Journal of Plankton Research</i>	Vol. 28, No.10, Pp 919-936	2006	Marja Koski, Wim Breteler, Nelleke Schogt, Santiago Gonzalez, Hans Jakobsen	Life-state-specific differences in exploitation of food mixtures: diet mixing enhances copepod egg production but not juvenile development
<i>Limnology and Oceanography</i>	Vol. 51, No. 5, Pp 2084-2091	2006	Elena San Martin, Xabier Irigoien, Roger P. Harris, Ángel López-Urrutia, Mikhail V.Zubkov and Jane L. Sullivan	Variation in the transfer of energy in marine plankton along a production gradient in the Atlantic Ocean
<i>Deep-Sea Research II</i>	Vol. 53, Pp 1560, 1572	2006	Elena San Martin, Roger P. Harris, Xabier Irigoien	Latitudinal variation in plankton size spectra in the Atlantic Ocean
<i>Polar Biology</i>	Vol. 28, Pp 171-181	2005	Rolf R. Gradinger, Klaus Meiners, Gerry Plumley, Qing Zhang, Bodil A. Bluhm	Abundance and composition of the sea-ice meiofauna in off-shore pack ice of the Beaufort Gyre in summer 2002 and 2003
<i>Marine Scientist</i>	No. 16 Pp 10-13	2006		Watching out for toxic tides
<i>LakeLine (NALMS)</i>	Pp 21-24	Apr 2006	Hilary Snook, U.S. EPA	A Regional Assessment Approach
<i>WACV-MOTION'05</i>	Vol. 1, Pp 79-86	2005	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	Automatic in situ identification of plankton
<i>Journal of Plankton Research</i>	Vol. 27, Pp 647-662	Jun 2005	Hongbin Liu, Michael J. Dagg, Suzanne Strom	Grazing by the calanoid copepod <i>Neocalanus cristatis</i> on the microbial food web in the coastal Gulf of Alaska
<i>Journal of Phycology</i>	Vol. 51 Pp 305-310	2005	Jason See, Lisa Campbell, Tammi L. Richardson, James L. Pickney, Ronjen Shen, Norman L. Guinasso, Jr.	Combining new technologies for determination of phytoplankton community structure in the Northern Gulf of Mexico
<i>Journal of Plankton Research</i>	Vol. 26, No. 2, Pp 191-212	2004	Robert D. Vaillancourt, Christopher W. Brown, Robert R. L. Guillard, William M. Balch	Light backscattering properties of marine phytoplankton: relationships to cell size, chemical composition and taxonomy
<i>Microbial Ecology</i>	Vol. 48 Pp 567-577	2004	Lavrentyev P.J., M.J. McCarthy, D.M. Klarer, F.J. Jochem & W.S. Gardner	Estuarine microbial food web patterns in a Lake Erie coastal wetland
<i>Marine Pollution Bulletin 48</i>	Pp 533-542	2004	Michael C. Sterling, James S. Bonner, Andrew N.S. Ernest, Cheryl A. Page, Robin A. Autenrieth	Characterizing aquatic sediment-oil aggregates using in-situ instruments
<i>SIMBIOS Project 2000 Annual Report</i>	Ch. 4, Pp 26-33	2000	W. M. Balch	Validation of Surface Bio-Optical Properties in the Gulf of Maine as a Means for Improving Satellite Primary Production Estimates
<i>The Original FlowCAM Paper - Marine Ecology Progress Series</i>	Vol. 168, Pp 285-296	1998	Christian K. Sieracki, Michael E. Sieracki, Charles S. Yentsch	An imaging-in-flow system for automated analysis of marine microplankton