

Liste des publications de Rosa Astoreca

Articles dans des revues avec comité de lecture

Soumis pour publication

Astoreca, Rosa, Doxaran, D., Ruddick, Kevin, Rousseau, Véronique, & Lancelot, Christiane (2011). Influence of suspended particle concentration, composition and size on the variability of inherent optical properties of the Southern North Sea. *Continental shelf research*.

Neukermans, Griet, Loisel, Hubert, Mériaux, Xavier, Astoreca, Rosa, & McKee, David (2011). Variability of mass-specific beam attenuation and backscattering of marine particles with respect to particle size, density and composition. *Limnology and oceanography*.

2009

Iluz, David, Dishon, Gal, Capusso, Elisa, Znachor, Peter, Meeder, Efrat, Astoreca, Rosa, Montecino, Vivian, & Marra, John (2009). Short-term variability in primary productivity during a wind driven diatom bloom in the Gulf of Eilat (Aqaba). *Aquatic microbial ecology*, 56, 205-215. doi:10.3354/ame01321

Astoreca, Rosa, Rousseau, Véronique, & Lancelot, Christiane (2009). Coloured dissolved organic matter (CDOM) in Southern North Sea waters: Optical characterization and possible origin. *Estuarine, coastal and shelf science*, 85, 633-640. doi:10.1016/j.ecss.2009.10.010

Astoreca, Rosa, Rousseau, Véronique, Ruddick, Kevin, Knechciak, Cécile, Van Mol, Barbara, Parent, Jean-Yves, & Lancelot, Christiane (2009). Development and application of an algorithm for detecting *Phaeocystis globosa* blooms in the Case 2 Southern North Sea waters. *Journal of plankton research*, 31, 287-300. doi:10.1093/plankt/fbn116

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Lubac, Bertrand, Loisel, Hubert, Guiselin, Natacha, Astoreca, Rosa, Artigas, Luis Felipe, & Mériaux, Xavier (2008). Hyperspectral and multispectral ocean color inversions to detect *Phaeocystis globosa* blooms in coastal waters. *Journal of geophysical research*, 113(C06026). doi:10.1029/2007JC004451

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Van Mol, Barbara, Ruddick, Kevin, Astoreca, Rosa, Park, Youngje, & Nechad, Bouchra (2007). Optical detection of *Noctiluca scintillans*. *EARSel eProceedings*, 6(2), 130-137.

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Astoreca, Rosa, Ruddick, Kevin, Rousseau, Véronique, Van Mol, Barbara, Parent, Jean-Yves, & Lancelot, Christiane (2006). Variability of the inherent and apparent optical properties in a highly turbid coastal area: Impact on the calibration of remote sensing algorithms. *EARSel eProceedings*, 5(1), 1-17.

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Montecino, Vivian, Astoreca, Rosa, Alarcon, Gadiel, Retamal, Leira, & Pizarro, Gemita (2004). Bio-optical characteristics and primary productivity during upwelling and non-upwelling conditions in a highly productive coastal ecosystem off central Chile (~36S). *Deep-sea research. Part 2. Topical studies in oceanography*, 51, 2413-2426.

Communications publiées lors de congrès ou colloques nationaux et internationaux

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Borges, A.V., Ruddick, Kevin, Lacroix, Genevieve, Nechad, Bouchra, Astoreca, Rosa, Rousseau, Véronique, & Harlay, Jérôme (2010). Estimating pCO₂ from remote sensing in the Belgian Coastal Zone. *Proceedings of the ESA Living Planet Symposium, 28 June – 2nd July 2010, Bergen, Norway*. ESA.

Neukermans, Griet, Loisel, Hubert, Mériaux, Xavier, McKee, David, Astoreca, Rosa, & Doxaran, D. (2010). Variability of total, back and side scattering to mass concentration of marine particles. *Proceedings of the XX Ocean Optics Conference, 27 September-1 October 2010, Anchorage, Alaska, USA*.

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Ruddick, Kevin, Park, Youngje, Astoreca, Rosa, Neukermans, Griet, & Van Mol, Barbara (2008). Validation of MERIS water products in the Southern North Sea: 2002-2008. *Proceedings of the 2nd MERIS/(A)ATSR Workshop, 22–26 September*. H. Lacoste & L. Ouwehand.

Ruddick, Kevin, Park, Youngje, Astoreca, Rosa, Borges, A.V., Lacroix, Genevieve, Lancelot, Christiane, & Rousseau, Véronique (2008). Applications of the MERIS algal pigment products in Belgian waters. *Proceedings of the 2nd MERIS/(A)ATSR Workshop, 22–26 September*. H. Lacoste & L. Ouwehand.

Astoreca, Rosa, Rousseau, Véronique, & Lancelot, Christiane (2008). Influence of Phytoplankton Blooms on the Spectral Slope of CDOM in Belgian and Adjacent Waters (Southern North Sea). *Proceedings of the XIX Ocean Optics Conference, 2008, Il Ciocco, Barga, Italy*.

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Astoreca, Rosa, Rousseau, Véronique, Ruddick, Kevin, Parent, Jean-Yves, Van Mol, Barbara, & Lancelot, Christiane (2006). Discriminating Phytoplankton Groups From Space: Is It Feasible In Case 2 Belgian Coastal Waters? *Proceedings Ocean Optics XVIII Conference, October 9-13, Montreal, Quebec*.

Astoreca, Rosa, Rousseau, Véronique, & Lancelot, Christiane (2006). Specific phytoplankton absorption variability and implication for chlorophyll a retrieval in Belgian waters (Southern North Sea). *Proceedings of the meeting "MERIS and AATSR Calibration and Geophysical Validation"*.

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Astoreca, Rosa, Rousseau, Véronique, Ruddick, Kevin, Van Mol, Barbara, Parent, Jean-Yves, & Lancelot, Christiane (2005). Optical properties of algal blooms in an eutrophicated coastal area and its relevance to remote sensing. *Proceedings of the SPIE International Conference on "Remote Sensing of the Coastal Oceanic Environment"*.

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Astoreca, Rosa (2007). *Study and application of the Inherent Optical Properties of coastal waters from the Phaeocystis-dominated Southern Bight of the North Sea*. (Unpublished doctoral dissertation). Université Libre de Bruxelles, Brussels.