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The following 16 papers appear in **OCENOLOGIA, Vol. 53, (1-TI) / 11, 2011:**

- Pempkowiak, J.: Changing water, energy and biogeochemical cycles in the Baltic Sea basin. Preface
- Meier, H. E. M., A. Höglund, R. Döscher, H. Andersson, U. Löptien, E. Kjellström: Quality assessment of atmospheric surface fields over the Baltic Sea from an ensemble of regional climate model simulations with respect to ocean dynamics. pp. 193-227
- Služenikina, J., A. Männik: A comparison of ASCAT wind measurements and the HIRLAM model over the Baltic Sea. pp. 229-244
- Päädam, K., P. Post: Temporal variability of precipitation extremes in Estonia 1961-2008. pp. 245-257
- Rimkus, E., J. Kažys, A. Bukantis, A. Krotovas: Temporal variation of extreme precipitation events in Lithuania. pp. 259-277
- Speranskaya, N. A.: Changes in some elements of the water cycle in the easternmost part of the Baltic Sea Drainage Basin between 1945 and 2010. pp. 279-292
- Dailidienė, I., H. Baudler, B. Chubarenko, S. Navrotskaya: Long term water level and surface temperature changes in the lagoons of the southern and eastern Baltic. pp. 293-308
- Andrejev, O., T. Soomere, A. Sokolov, K. Myrberg: The role of the spatial resolution of a three-dimensional hydrodynamic model for marine transport risk assessment. pp. 309-334
- Soomere, T., A. Räämet: Spatial patterns of the wave climate in the Baltic Proper and the Gulf of Finland. pp. 335-371
- Wiśniewski, B., T. Wolski: Physical aspects of extreme storm surges and falls on the Polish coast. pp. 373-390
- Hongisto, M.: Variability of the marine boundary layer parameters over Baltic Sea sub-basins and their impact on nitrogen deposition. pp. 391-413
- Schneider, B.: PO₄ release at the sediment surface under anoxic conditions: a contribution to the eutrophication of the Baltic Sea? pp. 415-429
- Väli, G., V. Zhurbas, J. Laanemets, J. Elken: Simulation of nutrient transport from different depths during an upwelling event in the Gulf of Finland. pp. 431-448
- Dzierzbicka-Głowacka, I., J. Jakacki, M. Janecki, A. Nowicki: Variability in the distribution of phytoplankton as affected by changes to the main physical parameters in the Baltic Sea. pp. 449-470
- Kostecki, R., B. Janczak-Kostecka: Holocene evolution of the Pomeranian Bay environment, southern Baltic Sea. pp. 471-487
- Zhang, W., J. Harff, R. Schneider: Analysis of 50-year wind data of the southern Baltic Sea for modelling coastal morphological evolution - a case study from the Darss-Zingst Peninsula. pp. 489-518