

**Identification of areas of frequent patch formation from velocity fields**

**Giudici, Andrea; Soomere, Tarmo** Journal of coastal research 2013 / p. 231-236 : ill

**Measurement of spontaneous current-induced patch formation processes in the marine surface layer**

**Giudici, Andrea** 10th Baltic Sea Science Congress : Science and innovation for future of the Baltic and the European regional seas : 15-19 June, 2015, Riga, Latvia : abstract book 2015 / p. 246 [http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

**Measuring finite time compressibility from large simulated datasets : towards identification of areas of spontaneous patch formation in the Gulf of Finland**

**Giudici, Andrea; Soomere, Tarmo** Databases and Information Systems : proceedings of the 11th International Baltic Conference, Baltic DB&IS 2014 : Tallinn, Estonia, 8-11 June, 2014 2014 / p. 441-446 : ill

**On the finite-time compressibility of the surface currents in the Gulf of Finland, the Baltic Sea**

**Kalda, Jaan; Soomere, Tarmo; Giudici, Andrea** Journal of marine systems 2014 / p. 56-65 : ill

**Tracking areas with increased likelihood of surface particle aggregation in the Gulf of Finland : a first look at persistent Lagrangian Coherent Structures (LCS)**

**Giudici, Andrea; Suara, Kabir Adewale; Soomere, Tarmo; Brown, Richard J.** Journal of marine systems 2021 / art. 103514, 8 p. : ill., map <https://doi.org/10.1016/j.jmarsys.2021.103514> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)