Record Nr. UNINA9910830345403321 Autore Donelan Mark A Titolo Gas Transfer at Water Surfaces [Place of publication not identified], : American Geophysical Union, Pubbl/distr/stampa 2001 1-118-66863-4 **ISBN** Descrizione fisica 1 online resource (xi, 383 pages) Collana Geophysical monograph series;;; 127 530.4/27 Disciplina Diffusion Soggetti Mass transfer Gas dynamics Fluid dynamics Transport theory Ocean-atmosphere interaction Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references. Nota di contenuto Gas transfer at water surfaces: concepts and issues / Mark A. Donelan and Rik Wanninkhof -- Effects of surface waves and turbulence on gas transfer -- Turbulence generated by microscale breaking waves and its influences on air-water gas transfer / Muhammad H.K. Siddigui [and others] -- On the surface kinematics of microscale breaking wind waves / William L. Peirson and Michael L. Banner -- Effect of microscale wave breaking on air-water gas transfer / C.J. Zappa [and others] --Statistics of geometric properties of breaking wind waves observed in laboratory / Guillemette Caulliez -- Overview of the CoOP experiments : physical and chemical measurements parameterizing air-sea heat exchange / Erik John Bock [and others] -- Surface wave observations during CoOP experiments and their relation to air-sea gas transfer / Tetsu Hara [and others] -- On the investigations of statistical properties of the micro turbulence at the ocean surface / Uwe Schimpf,

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