

1. Record Nr.	UNINA9910453724803321
Titolo	Advances in geosciences [[electronic resource]] . Volume 5 : oceans and atmospheres (Oa) // editor-in-chief, Wing-Huen Ip ; volume editor-in-chief, Hyo Choi
Pubbl/distr/stampa	Hackensack, N.J., : World Scientific, c2006
ISBN	1-281-90904-1 9786611909048 981-270-721-2
Descrizione fisica	1 online resource (145 p.)
Altri autori (Persone)	IpW.-H ChoiHyo
Disciplina	550
Soggetti	Planetary meteorology Space environment Earth sciences Space sciences Planetology Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Editors; Reviewers; Contents; Sabah Shoreline Management Plan Flemming Jakobsen, Julien Frachisse and Neil Hartstein; 1. Introduction; 2. Measurements and Methods; 3. Coastal Ecology Results; 4. Results on Sediment Load and Sediment Plumes; 5. Results on Pollution Loads and Coastal Distribution; 6. Discussion and Conclusion; References; The Spatial Distribution of Chlorophyll-a and its Responses to Oceanographic Environments in the South China Sea Hui Zhao and Danling Tang; 1. Introduction; 2. Data and Analysis; 3. Results; 3.1. Spatial distribution of Chl-a 3.2. Spatial variability of prevailing winds and Ekman pumping velocity 3.3. Spatial variability of SST; 4. Discussion; 4.1. Key factors limiting the growth of phytoplankton; 4.2. The distribution of Chl-a and oceanic conditions; 5. Conclusions; Acknowledgements; References; A Preliminary Analysis of the Influence of Sumatran

Tsunami on Indian Ocean Chl-a And SST Danling Tang, B. Satyanarayana, Hui Zhao and R. P. Singh; 1. Introduction; 2. Materials and Methods; 2.1. Study area; 2.2. Satellite data; 3. Results and Discussion; 3.1. Variability of Chl-a; 3.2. Changes of SST 3.3. Time-series analysis 4. Summary; Acknowledgments; References; Potential for Sulfide Mineral Deposits in Australian Waters Timothy F McConachy; 1. Introduction; 2. Setting of Seafloor Massive Sulde Deposits; 3. Fossil Island Arcs and Back Arcs; 4. Mississippi Valley-Type Deposits; 5. Ophiolite-Hosted Copper; 6. Off Shore Extensions to Mineralized Land Terranes; 7. Conclusions; Acknowledgments; References; Local to Long-Range Dust Transport over Central Eastern Australia Milton S. Speer and Lance M. Leslie; 1. Introduction; 2. Data and Climatology; 3. Brief Overview of Case Studies 3.1. Case study 1: October 23, 2002 3.2. Case study 2: February 2, 2005; 4. Integrated Wind Erosion Model; 4.1. The atmospheric model; 4.2. The wind erosion scheme; 5. Results and Discussion; 5.1. Case study 1: October 23, 2002; 5.2. Case study 2: February 2, 2005; 5.3. Synoptic differences between the two case studies; 6. Conclusions; References; Sea Ice Motion and Deformation in the Marginal Ice Zone Through SAR Jun Yu, Antony K. Liu and Yunhe Zhao; 1. Introduction; 2. Methods and Results; 3. Conclusions and Outlook; References Interannual Variations in Pacific SST Deviations through AVHRR Jun Yu and Per Gloersen 1. Introduction; 2. Method; 3. Results and Discussions; 4. Conclusion; References; Direct Radiative Forcing due to Anthropogenic Aerosol and Asian Dust in March 2002 Over East Asia Soon-Ung Park and Eun-Hee Lee; 1. Introduction; 2. Model Description; 3. Results; 3.1. Temporal variations of dust concentration; 3.2. Spatial distributions of aerosol concentrations; 3.3. Estimation of aerosol direct radiative forcing; 4. Summary and Conclusions; Acknowledgments; References A Numerical Simulation of an Asian Dust (Hwangsa) Event Observed in Korea on March 10-12, 2004 Using the Modified Adam Model Eun-Hee Lee and Soon-Ung Park

Sommario/riassunto

Advances in Geosciences is the result of a concerted effort in bringing the latest results and planning activities related to earth and space science in Asia and the international arena. The Editors are all leading scientists in their research fields covering five sections: Solid Earth (SE), Solar Terrestrial (ST), Planetary Science (PS), Hydrological Science (HS), and Oceans and Atmospheres (OA). The main purpose is to highlight the scientific issues essential to the study of earthquakes, tsunamis, climate change, drought, flood, typhoons, space weathers, and planetary exploration. This volume