1. Record Nr. UNINA9910778956203321

Autore	Gan Jianping
Titolo	ADVANCES IN GEOSCIENCES (A 6-VOLUME SET), 24 [[electronic resource]] : OCEAN SCIENCE (OS)
Pubbl/distr/stampa	Singapore, : World Scientific Publishing Company, 2011
ISBN	1-283-43391-5 9786613433916 981-4355-35-6
Descrizione fisica	1 online resource (145 p.)
Disciplina	550
Soggetti	Earth sciences Environmental sciences Hydrology Ocean Science Geology Earth & Environmental Sciences Geology - General
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Editors; Reviewers; Preface; Preface to OS Volume; CONTENTS; Indo-Pacific Tripole: An Intrinsic Mode of Tropical Climate Variability Dake Chen; 1. Introduction; 2. Evidence and Characteristics of IPT; 3. Excitation and Development of IPT; 4. Discussion; 5. Remarks on Future Work; Acknowledgments; References; Upper Ocean Response of the South China Sea and East China Sea to Monsoonal Forcing S. Prasanna Kumar and M. Seemanth; 1. Introduction; 2. Data and Methods; 2.1. Hydrographic data; 2.1.1 Selection of mixed layer depth (MLD), barrier layer thickness (BLT) and isothermal layer depth (ILD) 2.2. Atmospheric data2.3. Remote sensing data; 3. Results; 3.1. Upper ocean variability; 3.1.1 South China Sea; 3.1.2 East China Sea; 3.2. Atmospheric forcing; 3.2.1 South China Sea; 3.2.2 East China Sea; 3.3. Chlorophyll pigment concentration; 4. Discussion; 5. Concluding Remarks; Acknowledgments; References; Calcification Rates of Emiliana

Huxleyi in Different pH Waters: A Compariosn of Methods Yan Yang, Minhan Dai, Zhimian Cao and Zheng Huang; 1. Introduction; 2. Material and Methods; 2.1. Incubation condition; 2.2. Carbonate system parameters; 2.3. Cell and nutrient concentrations
2.4. Ca and PIC2.5. Net calcification rate; 3. Results; 3.1. Growth of cells; 3.2. TA and net calcification rate; 3.3. Ca and net CaCO3 production rate; 3.4. Net PIC production rate; 3.5. Comparison; 4. Concluding Remarks; Acknowledgments; References; Nitrogen Sources for New Production in the Ne Indian Ocean Naveen Gandhi, Arvind Singh, R. Ramesh and M. S. Sheshshayee; 1. Introduction; 2. Material and Methods; 2.1. Ship based sampling; 3. Environmental Conditions; 3.1. Temperature and salinity; 3.2. Nutrients and chlorophyll a; 4. Carbon Uptake Rates; 5. Nitrogen Uptake Rates
5.1. New productivity5.2. Regenerated productivity; 5.3. f-ratio; 6. Conclusion; Acknowledgment; References; Interannual Oscillatory Modes in the Indian Ocean and Predictability of the Indian Ocean Dipole Irina V. Sakova and Richard Coleman; 1. Introduction; 2. Data and Methods; 3. Analysis; 4. Discussion and Conclusions; Acknowledgments; References; Modelling of Storm Tide Flooding Along the Southern Coast of Java, Indonesia Nining Sari Ningsih, Safwan Hadi, Marthina Dian Utami and Amanda Putri Rudiawan; 1. Introduction; 2. Model Description and Its Application; 3. Results and Discussions
3.1. Model validation3.2. Maximum storm surge height and flooding areas; 4. Concluding Remarks; Acknowledgments; References; Development of a High Resolution Climatology for the Bay of Bengal Using Argo Observations Sudip Jana, Sourav Sil and Arun Chakraborty and M. Ravichandran; 1. Introduction; 2. Data and Quality Control; 3. Methodology; 4. Results; 5. Summary and Discussion; Acknowledgment; References; Numerical Simulation of Surface Circulation Features Over the Bay of Bengal Using Regional Ocean Modeling System Sourav Sil, Arun Chakraborty and M. Ravichandran; 1. Introduction
2. Brief Description of the Model

Sommario/riassunto

This invaluable volume set of Advances in Geosciences continues the excellent tradition of the Asia-Oceania scientific community in providing the most up-to-date research results on a wide range of geosciences and environmental science. The information is vital to the understanding of the effects of climate change, extreme weathers on the most populated regions and fastest moving economies in the world. Besides, these volumes also highlight original papers from many prestigious research institutions which are conducting cutting edge studies in atmospheric physics, hydrological science and wate