1. Record Nr. UNINA9910781493003321

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| Autore | Pilkey Orrin H. <1934-> |
| Titolo | The world's beaches [[electronic resource] /] / Orrin H. Pilkey ... [et al.] |
| Pubbl/distr/stampa | Berkeley, : University of California Press, c2010 |
| ISBN | 1-283-27801-4<br>9786613278012<br>0-520-94894-7 |
| Descrizione fisica | 1 online resource (301 p.) |
| Disciplina | 551.45/7 |
| Soggetti | Beaches<br>Seashore<br>Coasts<br>Coast changes |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | "A global guide to the science of the shoreline."--subtitle from cover. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | pt. 1. The global character of beaches -- pt. 2. How to read a beach -- pt. 3. The global threat to beaches. |
| Sommario/riassunto | Take this book to the beach; it will open up a whole new world. Illustrated throughout with color photographs, maps, and graphics, it explores one of the planet's most dynamic environments-from tourist beaches to Arctic beaches strewn with ice chunks to steaming hot tropical shores. The World's Beaches tells how beaches work, explains why they vary so much, and shows how dramatic changes can occur on them in a matter of hours. It discusses tides, waves, and wind; the patterns of dunes, washover fans, and wrack lines; and the shape of berms, bars, shell lags, cusps, ripples, and blisters. What is the world's longest beach? Why do some beaches sing when you walk on them? Why do some have dark rings on their surface and tiny holes scattered far and wide? This fascinating, comprehensive guide also considers the future of beaches, and explains how extensively people have affected them-from coastal engineering to pollution, oil spills, and rising sea levels. |

2. Record Nr. UNINA9910576874203321

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| Autore | Hsiao Shih-Chun |
| Titolo | Storm Tide and Wave Simulations and Assessment II |
| Pubbl/distr/stampa | Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022 |
| Descrizione fisica | 1 online resource (100 p.) |
| Soggetti | History of engineering and technology<br>Technology: general issues |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Sommario/riassunto | Storm tides, surges, and waves associated with typhoons/tropical cyclones/hurricanes are the most severe threats to coastal zones, nearshore waters, and navigational safety. Therefore, predicting typhoon/tropical cyclone/hurricane-induced storm tides, surges, waves, and coastal erosion is essential for reducing the loss of human life and property and mitigating coastal disasters. There is still a growing demand for novel techniques that could be adopted to resolve the complex physical processes of storm tides, surges, waves, and coastal erosion, even if many studies on the hindcasting/prediction/forecasting of typhoon-driven storm tides, surges, waves, and also morphology evolution have been carried out through numerical models in the last decade. This Special Issue intends to collect the latest studies on storm tide, surge, and wave modeling and analysis utilizing dynamic and statistical models and artificial intelligence approaches to improve our simulating and analytic capabilities and our understanding of storm tides, surges, and waves. Five high-quality papers have been accepted for publication in this Special Issue; these papers cover the application and development of many high-end techniques for storm tides, surges, waves, and on-site investigation of coastal erosion and accretion. |