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| 1. Record Nr. | UNINA9910136075303321 |
| Titolo | Sustainable water technologies // Daniel H. Chen |
| Pubbl/distr/stampa | Boca Raton : , : CRC Press, , [2017] ©2017 |
| ISBN | 1-315-34960-4 1-315-37386-6 1-4987-8006-7 |
| Descrizione fisica | 1 online resource (408 pages) : illustrations |
| Collana | Green Chemistry and Chemical Engineering Sustainable water management and technologies ; ; Volume 2 |
| Disciplina | 628.1028/6 |
| Soggetti | Water conservation Water - Purification |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references at the end of each chapters and index. |
| Nota di contenuto | chapter 1. Water transport / Qin Qian -- chapter 2. Groundwater contaminant transport mechanisms and pollution prevention / Dorina Murgulet -- chapter 3. Groundwater protection and remediation / Mohamed K. Mostafa, Jude O. Ighere, Ramesh C. Chawla, and Robert W. Peters -- chapter 4. GIS, GPS, and satellite data / Kevin Urbanczyk -- chapter 5. Nanotechnology applications / Changseok Han, Bangxing Ren, Mallikarjuna N. Nadagouda, George Em. Romanos, Polycarpos Falaras, Teik Thye Lim, Virender K. Sharma, Natalie Johnson, Pilar Fernandez-Ibaez, John Anthony Byrne, Hyeok Choi, Rachel Fagan, Declan E. McCormack, Suresh C. Pillai, Cen Zhao, Kevin O'Shea, and Dionysios D. Dionysiou -- chapter 6. Industrial water usage and wastewater treatment/reuse / Tapas K. Das -- chapter 7. Wastewater treatment, reuse, and disposal / Mohamed K. Mostafa, Ramesh C. Chawla, and Robert W. Peters -- chapter 8. Wastewater treatment and disposal for unconventional oil and gas development / Liwen Chen, Peyton C. Richmond, and Ross Tomson -- chapter 9. Membrane technology for water purification and desalination / Saqib Shirazi and Che-Jen Lin -- chapter 10. Biotechnology for water sustainability / Ingo |

Wolf and Yen Wah Tong -- chapter 11. Biodegradation/bioremediation for soil and water / Siddharth Jain and Yen Wah Tong -- chapter 12. Sustainable manufacturing and water sustainability / Liwen Chen, Zexin Tian, and Helen H. Lou.
