1.	Record Nr.	UNINA9910830244703321
	Titolo	Soil-water-root processes : advances in tomography and imaging / / Stephen H. Anderson and Jan W. Hopmans, editors
	Pubbl/distr/stampa	Madison, Wisconsin : , : Soil Science Society of America, , 2013
	ISBN	0-89118-959-9
	Descrizione fisica	1 online resource (xi, 289 pages)
	Collana	SSSA Special Publication ; ; 61
	Disciplina	625.735
	Soggetti	Soil moisture - Measurement Soil porosity - Measurement
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Using synchrotron-based X-ray microtomography and functional contrast agents in environmental applications / Dorthe Wildenschild, Mark L. Rivers, Mark L. Porter, Gabriel C. Iltis, Ryan T. Armstrong, and Yohan Davit -- Tomographic investigations relevant to the rhizosphere / Keith W. Jones, Jun Wang, Yu-chen Chen, Qingxi Yuan, W. Brent Lindquist, Lauren Beckingham, Catherine A. Peters, Wooyong Um, Lee Newman, Tara Sabo-Attwood, and Ryan Tappero -- Synchrotron X-ray microtomography -- new means to quantify root induced changes of rhizosphere physical properties / Jazmin E. Aravena, Markus Berli, Manoj Menon, Teamrat A. Ghezzehei, Ajay K. Mandava, Emma E. Regentova, Natarajan S. Pillai, John Steude, Michael H. Young, Peter S. Nico, and Scott W. Tyler -- Effects of root-induced biopores on pore space architecture investigated with industrial X-ray computed tomography / Sebastian K. Pagenkemper, Stephan Peth, Daniel Uteau Puschmann, and Rainer Horn -- Computed tomographic evaluation of earth materials with varying resolutions / Ranjith P. Udawatta, Stephen H. Anderson, Clark J. Gantzer, and Shmuel Assouline -- Applications of neutron imaging in soil-water-root systems / Ahmad B. Moradi, Sascha E. Oswald, Manoj Menon, Andrea Carminati, Eberhard Lehmann, and Jan W. Hopmans -- Magnetic resonance imaging techniques for visualization of root growth and root water uptake processes / A. Pohlmeier, S. Haber-Pohlmeier, M. Javaux, and H. Vereecken -- Segmentation of X-ray CT data of porous materials: a review of global

and locally adaptive algorithms / Markus Tuller, Ramaprasad Kulkarni, and Wolfgang Fink -- Heterogeneous porous media structure analysis with computed tomography images and a multiphase bin semivariogram / Glenn O. Brown and Jason R. Vogel -- Characterization of porous media computer tomography images using semivariogram families / Jason R. Vogel and Glenn O. Brown -- Electrical resistivity tomography of the root zone / Alex Furman, Ali Arnon-Zur, and Shmuel Assouline -- Geophysical methods for field-scale imaging of root zone properties and processes / J. Vanderborght, J.A. Huisman, J. van der Kruk, and H. Vereecken.

2.	Record Nr.	UNINA9910580212603321
	Autore	Bodis Stephan
	Titolo	Oncologic Thermoradiotherapy: Need for Evidence, Harmonisation, and Innovation
	Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
	Descrizione fisica	1 online resource (346 p.)
	Soggetti	Medicine and Nursing Oncology
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Sommario/riassunto	The road of acceptance of oncologic thermotherapy/hyperthermia as a synergistic modality in combination with standard oncologic therapies is still bumpy. This is partially due to the lack of level I evidence from international, multicentric, randomized clinical trials including large patient numbers and a long term follow-up. Therefore we need more level I EVIDENCE from clinical trials, we need HARMONISATION and global acceptance for existing technologies and a common language understood by all stakeholders and we need INNOVATION in the fields of biology, clinics and technology to move thermotherapy/hyperthermia forward. This is the main focus of this reprint. In this reprintyou find carefully selected and peer-reviewed

contributions from Africa, America, Asia, and Europe. The published papers from leading scientists from all over the world covering a broad range of timely research topics might also help to strengthen thermotherapy on a global level.