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Autore	Broughton, T. Robert
Titolo	509 B.C.-100 B.C. / T. Robert Broughton ; with the collaboration of Marcia L Patterson
Pubbl/distr/stampa	Cleveland, Ohio : The Press of Case Western Reserve University, 1968 Rep.
Descrizione fisica	XIX, 588 p. ; 25 cm
Collana	Philological monographs ; 15
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Locazione	FLFBC
Collocazione	937.05 BRO 1 (1)
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Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910437937703321
Autore	Zeng Yijian
Titolo	Coupled dynamics in soil : experimental and numerical studies of energy, momentum and mass transfer : doctoral thesis accepted by University of Twente, The Netherlands // Yijian Zeng
Pubbl/distr/stampa	New York, : Springer, 2013
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Descrizione fisica	1 online resource (174 p.)
Collana	Springer theses : recognizing outstanding Ph.D. research, , 2190-5053
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Soggetti	Soil dynamics
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	General Introduction -- Diurnal Pattern of Coupled Moisture and Heat Transport Process -- Application of Diurnal Soil Water Dynamics in Determining Effective Precipitation -- Two-Phase Mass and Heat Flow Model.- How Airflow Affects Soil Water Dynamics -- Impact of Model Physics on Retrieving Soil Moisture and Soil Temperature -- Concluding Remarks.
Sommario/riassunto	In arid and semi-arid areas, the main contributions to land surface processes are precipitation, surface evaporation and surface energy balancing. In the close-to-surface layer and root-zone layer, vapor flux is the dominant flux controlling these processes - process which, in turn, influence the local climate pattern and the local ecosystem. The work reported in this thesis attempts to understand how the soil airflow affects the vapor transport during evaporation processes, by using a two-phase heat and mass transfer model. The necessity of including the airflow mechanism in land surface process studies is discussed and highlighted.