

1. Record Nr.	UNINA9910450546403321
Titolo	Sleep and dreaming : scientific advances and reconsiderations // edited by Edward F. Pace-Schott [and others] [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2003
ISBN	1-107-13233-9 1-280-16100-0 9786610161003 1-139-14769-2 0-511-12011-7 0-511-06424-1 0-511-05791-1 0-511-32386-7 0-511-61551-5 0-511-07270-8
Descrizione fisica	1 online resource (xiv, 360 pages) : digital, PDF file(s)
Disciplina	612.8/21
Soggetti	Dreams
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Dreaming and the brain : toward a cognitive neuroscience of conscious states / J.A. Hobson, E.F. Pace-Schott and R. Stickgold -- 2. Dreaming and REM sleep are controlled by different brain mechanisms / M. Solms -- 3. A review of mentation in REM and NREM sleep : 'covert' REM sleep as a possible reconciliation of two opposing models / T.A. Nielsen -- 4. The case against memory consolidation in REM sleep / R. P. Vertes and K.E. Eastman -- 5. The reinterpretation of dreams : an evolutionary hypothesis of the function of dreaming A. Revonsuo.
Sommario/riassunto	How and why does the sleeping brain generate dreams? Though the question is old, a paradigm shift is now occurring in the science of sleep and dreaming that is making room for new answers. From brainstem-based models of sleep cycle control, research is moving toward combined brainstem/forebrain models of sleep cognition itself.

The book presents five papers by leading scientists at the center of the current firmament, and more than seventy-five commentaries on those papers by nearly all of the other leading authorities in the field. Topics include mechanisms of dreaming and REM sleep, memory consolidation in REM sleep, and an evolutionary hypothesis of the function of dreaming. The papers and commentaries, together with the authors' rejoinders, represent a huge leap forward in our understanding of the sleeping and dreaming brain. The book's multidisciplinary perspective will appeal to students and researchers in neuroscience, cognitive science, and psychology.

---