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Highlights from the auditory system standpointHighlights from the sleep state viewpoint; References; Index; A; B; C; D; E; F; G; H; I; L; M; N; O; P; R; S; T; U; V; W; Color Plates

Sommario/riassunto

Sleep and Sleep medicine are hot topics in medicine as well as neuroscience and cognitive neuroscience. How the auditory system functions during sleep, and what impact that has on the brain, is still not well understood. This book shows a different viewpoint on sleep, integrating a sensory system in the whole brain and focusing on physiological conditions. Moreover, it exhibits the coordination among evoked potentials, fMRI, PET, SPECT, lesions, etc., together with electrophysiological online data.* Presents diverse experimental viewpoints from the beginning of classical electroenceph

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Sommario/riassunto

High-performance or hi-tech textiles represent the keystone of the

present and the future for all industrial sectors, which require lightening, flexibility, and the high mechanical resistance as well as thermal stability of the materials. As described within this Special Issue, the applications of these advanced systems are innovative and also highly technological: from water-repellent to stain-resistant fabrics, from being flame-resistant to antibacterial/antifouling, from being insulating to conductive, and from environmental protection systems to smart textiles. High-performance textiles also meet all of the actual requirements of sustainability and environmental protection of modern industry.