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Altri autori (Persone)	AshfordJ. Wesson
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Nota di contenuto	section 1. Imaging the Alzheimer's brain : the pathology and pathophysiolgical bases of Alzheimer's disease : implications for advancing diagnostic imaging -- section 2. Structural imaging to diagnose and measure Alzheimer-related brain changes -- section 3. Imaging of cerebral blood, flow, glucose metabolism, amyloid plaques and neurofibrilary tangles in AD -- section 4. Current advances in functional magnetic resonance imaging for detecting Alzheimer's disease -- section 5. Electromagnetic brain mapping : EEG, EP, ERP, and their magnetic equivalents -- section 6. Diffusion tensor imaging -- section 7. Magenetic resonance spectroscopy -- section 8. Longitudinal neuroimaging measures : windows into progression of disease and potential endpoints for clinical trials -- section 9. Vascular changes in the brain causing dementia and contributing to Alzheimer's disease -- section 10. Neuroimaging in the context of Alzheimer's disease.
Sommario/riassunto	Alzheimer's disease is a common problem that is becoming progressively more prevalent and burdensome to the world. Through better recognition of this disease and more precise diagnosis, led by brain imaging in the appropriate clinical context, it is our sincere hope

that mankind can conquer this terrible disease. This handbook was developed to provide an overview of the state of the art of brain-imaging approaches that have recently emerged to reveal the critical characteristics of brains of patients with Alzheimer's disease. It provides numerous chapters that examine this critical phase of Al