Brain Mapping: An Encyclopedic Reference

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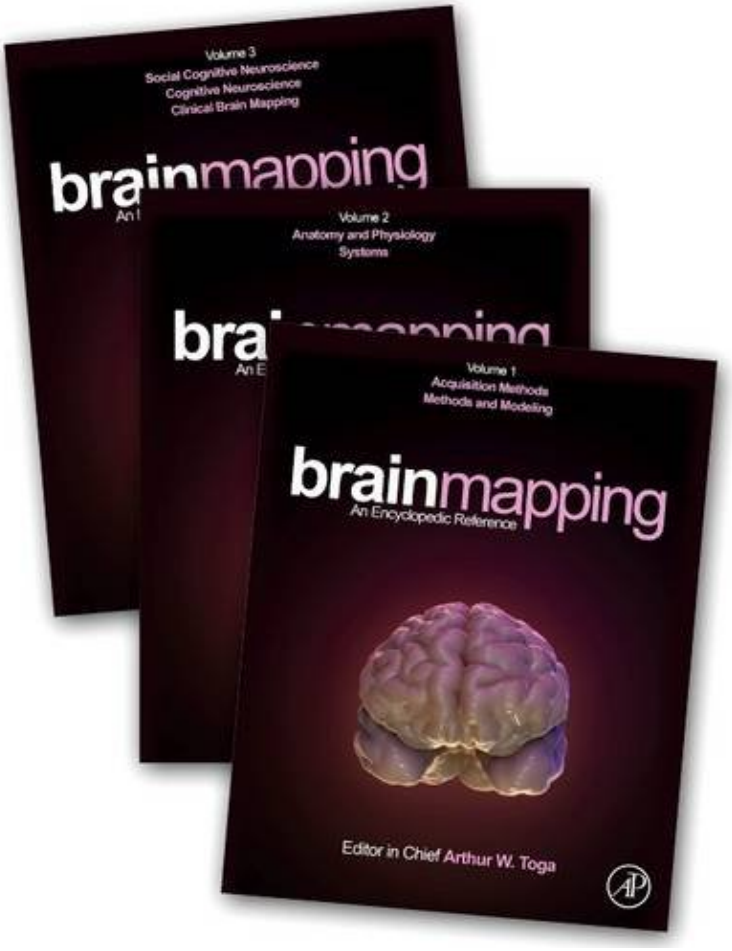

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From Academic Press : Brain Mapping: An Encyclopedic Reference before purchasing it in order to gage whether or not it would be worth my time, and all praised Brain Mapping: An Encyclopedic Reference:

Brain Mapping: A Comprehensive Reference offers foundational information for students and researchers across neuroscience. With over 300 articles and a media rich environment, this resource provides exhaustive coverage of the methods and systems involved in brain mapping, fully links the data to disease (presenting side by side maps of healthy and diseased brains for direct comparisons), and offers data sets and fully annotated color images. Each entry is built on a layered approach of the content basic information for those new to the area and more detailed material for experienced readers. Edited and authored by the leading experts in the field, this work offers the most reputable, easily searchable content with cross referencing across articles, a one-stop reference for students, researchers and teaching faculty.Broad overview of neuroimaging concepts with applications across the neurosciences and biomedical

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"... a welcome addition to the neuroscientific literature. Every neuroscientist will want access to this essential resource. Score: 91 - 4 Stars" --Doody'sAbout the AuthorArthur W. Toga is the Director, Laboratory of Neuro Imaging, Director, Institute of Neuroimaging and Informatics, Provost Professor, Departments of Ophthalmology, Neurology, Psychiatry, and the Behavioral Sciences, Radiology and Engineering at the Keck School of Medicine of USC. His research is focused on neuroimaging, informatics, mapping brain structure and function, and brain atlasing. He has developed multimodal imaging and data aggregation strategies and applied them in a variety of neurological diseases and psychiatric disorders. His work in informatics includes the development and implementation of some of the largest and most widely used databases and data mining tools linking disparate data from genetics, imaging, clinical and behavior, supporting global efforts in Alzheimers disease, Huntingtons and Parkinsons disease. He was trained in neuroscience and computer science and has written more than 1,000 papers, chapters and abstracts, including eight books. Recruited to USC in 2013, he directs the Laboratory of Neuro Imaging. This 110-member laboratory includes graduate students from computer science, biostatistics and neuroscience. It is funded with grants from the National Institutes of Health grants as well as industry partners. He has received numerous awards and honors in computer science, graphics and neuroscience. Prior to coming to USC he was a Distinguished Professor Neurology at UCLA, held the Geffen Chair of Informatics at the David Geffen School of Medicine at UCLA, Associate Director of the UCLA Brain Mapping Division within the Neuropsychiatric Institute, and Associate Dean, David Geffen School of Medicine at UCLA. He is the founding Editor-in-Chief of the journal NeuroImage and holds the chairmanship of numerous committees within NIH and a variety of international task forces.