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Understanding Neuroanatomy: Unraveling the Mysteries of the Brain

Neuroanatomy is the study of the structure and organization of the nervous system, particularly the brain and spinal cord. By delving deep into its intricate framework, researchers and scientists can gain valuable insights into how different regions of the brain function and interact, paving the way for a better understanding of various neurological disorders.

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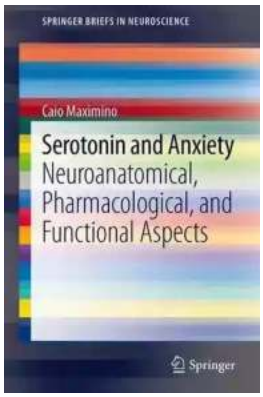

Serotonin and Anxiety: Neuroanatomical, Pharmacological, and Functional Aspects (SpringerBriefs in Neuroscience Book 2)

by Caio Maximino(2012th Edition, Kindle Edition)

★★★★★ 5 out of 5

Language	: English
File size	: 1018 KB
Text-to-Speech	: Enabled
Enhanced typesetting	: Enabled
Screen Reader	: Supported
Print length	: 122 pages

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Unveiling the Pharmacological Aspects: Exploring the Impact of Drugs on the Brain

The field of pharmacology investigates how drugs interact with living organisms, including the brain. Neuropharmacology, a branch of pharmacology, specifically focuses on studying the effects of drugs on the nervous system. Understanding these interactions is crucial for developing effective treatments for various neurological conditions.

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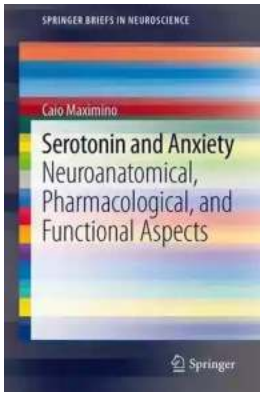
, neuroanatomical pharmacological and functional aspects are fascinating areas of study that shed light on the intricate workings of the human brain.

Springerbriefs In offers an extensive collection of books that cover these areas comprehensively, providing readers with valuable insights into the structure, chemical interactions, and overall functionality of the brain. Whether you are a curious individual or a seasoned professional, Springerbriefs In is your key to unlocking the secrets of this captivating field.



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Anxiety disorders have long been a research subject for scientists in different areas of inquiry, and the particular role of serotonin – the neurotransmitter which has probably most captured the imagination of laymen and academics alike – is as elusive as the clinical aspects of serotonergic medications. Why are drugs acting at certain serotonin receptors efficacious against generalized anxiety disorder, but not panic disorder? Why is the inverse true for monoamine oxidase inhibitors? These clinically relevant issues are clarified by the neurochemical, anatomical and physiological organization of the serotonergic system.

In this book, the author summarizes the latest findings regarding the role of serotonin in modulating the activity of brain regions which organize behavioral

patterns associated with fear, anxiety and stress. The emergent picture is one of far greater complexity than previously thought: while the serotonergic innervation of those brain regions arises from the same structure – the dorsal raphe nucleus – that structure is not homogeneous from anatomical, physiological and neurochemical points of view, nor are its projections to the cerebral aversive and behavioral inhibition systems.

The diverse findings which compose this picture of complexity – whether they arise from developmental neurobiology, electrophysiology, neurochemistry, neuroendocrinology, neuropsychopharmacology or behavioral neuroscience – are integrated in this book. Advanced undergraduate, graduate students, and researchers will benefit from the information. The result sheds light on many important questions regarding the neuroanatomical, pharmacological and functional aspects of the role of serotonin in anxiety disorders, and points to future avenues of research.

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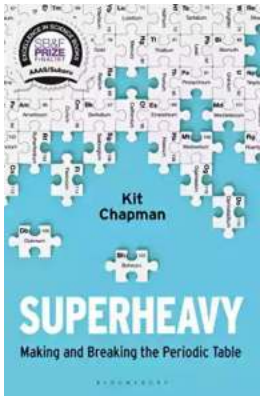

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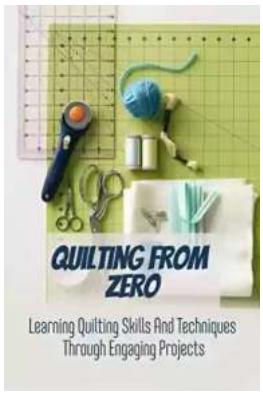

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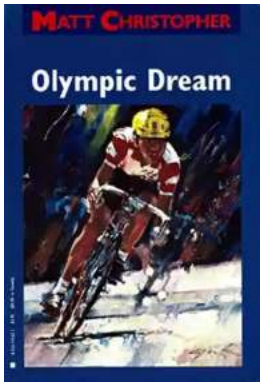

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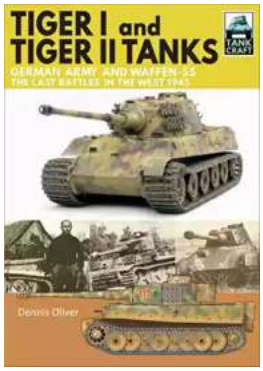

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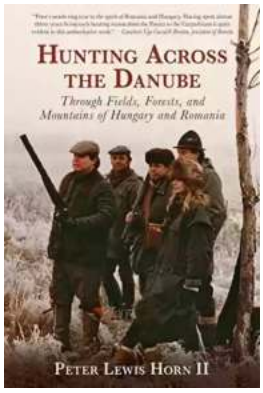

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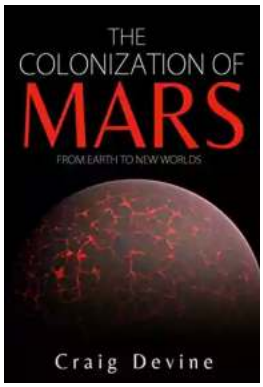

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