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Autore	Delone, Nikolai B.
Titolo	Atoms in Strong Light Fields / N.B. Delone, V.P. Krainov
Pubbl/distr/stampa	Berlin [etc.] : Springer-Verlag, 1985
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	With 49 Figures

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Titolo	Neuroscience in Medicine / / edited by P. Michael Conn
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ISBN	1-281-81062-2 9786611810627 1-60327-455-3
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Altri autori (Persone)	ConnP. Michael
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cytology and Organization of Cell Types: Light and Electron Microscopy -- Anatomy of the Spinal Cord and Brain -- Ion Channels, Transporters, and Electrical Signaling -- Clinical Correlation -- Synaptic Transmission -- Presynaptic and Postsynaptic Receptors -- Neuroembryology and Neurogenesis -- Clinical Correlation -- The Vasculature of the Human Brain -- Clinical Correlation -- Choroid Plexus–Cerebrospinal Fluid Circulatory Dynamics: Impact on Brain Growth, Metabolism, and Repair -- Organization of the Spinal Cord -- Clinical Correlation -- The Cerebellum -- The Brain Stem and Cranial Nerves -- Clinical Correlation -- The Brain Stem Reticular Formation -- The Trigeminal System -- The Hypothalamus -- The Cerebral Cortex -- Clinical Correlation -- The Limbic System -- Clinical Correlation -- The Basal Ganglia -- Clinical Correlation -- The Thalamus -- Spinal Mechanisms for Control of Muscle Length and Force -- Chemical Messenger Systems -- Clinical Correlation -- Pain -- Clinical Correlation -- Clinical Correlation -- Vision -- Clinical Correlation -- Audition -- The Vestibular System -- The Gustatory System -- The Olfactory System -- Sleep, Dreams, and States of Consciousness -- Clinical Correlation -- Higher Brain Functions -- Clinical Correlation -- Neuroimmunology: An Overview -- Nervous System–Immune System Interactions -- Clinical Correlation -- Degeneration, Regeneration, and Plasticity in the Nervous System -- Clinical Correlation -- The Biology of Drug Addiction -- The Neuropathology of Disease.
Sommario/riassunto	Continuing progress has been made in understanding the brain at the molecular, anatomic, and physiological levels in the years following the "Decade of the Brain," with the results providing insight into the underlying basis of many neurological disease processes. In Neuroscience in Medicine, Third Edition, a distinguished panel of basic and clinical investigators, noted for their teaching excellence, provide thoroughly updated and revised chapters to reflect these remarkable advances. Designed specifically for medical students and allied health professionals, this up-to-date edition alternates scientific and clinical chapters that explain the basic science underlying neurological processes and then relate that science to the understanding of neurological disorders and their treatment. These popular and now expanded "clinical correlations" cover, in detail, disorders of the spinal cord, neuronal migration, the autonomic nervous system, the limbic system,ocular motility, and the basal ganglia, as well as demyelinating disorders, stroke, dementia and abnormalities of cognition, congenital chromosomal and genetic abnormalities, Parkinson's disease, nerve trauma, peripheral neuropathy, aphasias, sleep disorders and myasthenia gravis. In addition to concise summaries of the most recent biochemical, physiological, anatomical, and behavioral advances, the chapters summarize current findings on neuronal gene expression and protein synthesis at the molecular level. Authoritative and comprehensive, Neuroscience in Medicine, Third Edition provides a fully up-to-date and readily accessible guide to brain functions at the cellular and molecular level, as well as clearly demonstrating their emerging diagnostic and therapeutic importance.