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Titolo	Handedness [[electronic resource]] : theories, genetics and psychology // James Dunham and Todd Davenport, editors
Pubbl/distr/stampa	Hauppauge, N.Y., : Nova Science Publishers, c2012
ISBN	1-61470-518-6
Edizione	[1st ed.]
Descrizione fisica	1 online resource (191 p.)
Collana	Neuroscience research progress
Altri autori (Persone)	DunhamJames <1962-> DavenportTodd
Disciplina	152.3/35
Soggetti	Left- and right-handedness
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	Intro -- HANDEDNESS: THEORIES, GENETICS AND PSYCHOLOGY -- HANDEDNESS: THEORIES, GENETICS AND PSYCHOLOGY -- Contents -- Preface -- The Significance of Knot-tying Habits in Handedness Research and Forensic Science -- Abstract -- Introduction -- Some Preliminaries: Knot Nomenclature and Concepts -- Manual Laterality: Historical Perspectives -- Anthropological and Historical Overview -- Early Theories -- Structural Asymmetry -- Positional Asymmetry -- Pathological Left-Handedness -- Cultural Conditioning -- Hand Posture in Writing -- Genetics and Heredity versus Environmental Theories -- Developmental Psychology and Learning Implications -- Neurological, Molecular and Brain-Scan Research -- Recent Research -- The Challenge of Measuring Handedness -- Investigations of Knot-Tying Habits -- Researching Knot-Tying Behaviour -- Forensic Science Applications -- Linking Knot-Tying Habits to Handedness: Speculations and Further Research -- Conclusion -- References -- A Brief History of Handedness Research -- Abstract -- Anthropological and Historical Overview -- Early Theories -- Structural Asymmetry -- Positional Asymmetry -- Pathological Left-Handedness -- Cultural Conditioning -- Hand Posture in Writing -- Genetics and Heredityversus Environmental Theories -- Developmental Psychology and Learning Implications -- The Challenge of Measuring Handedness -- Recent Research -- References -- Manual Laterality and Hemispheric Specialization for Language: A Review from Ancient Theories to

Current Facts -- Abstract -- Introduction -- I. Exploring the Relation between Handedness and Hemispheric Specialization for Language -- II. Methodological Issues: Definition and Assessment of Handedness, Manual Specialization, and Cerebral Specialization -- III. Gender and Handedness -- IV. Developmental Aspects in Handedness and Cerebral Specialization.

V. Pathology Related Issues -- Conclusion -- References --

Handedness and Mental Rotation -- Abstract -- Introduction -- Mental Rotation Task of Three-dimensional Objects -- Cerebral Activation during Mental Rotation Tasks of Three-dimensional Objects -- Mental Rotation Task of Hand Pictures -- Cerebral Activation during Mental Rotation Tasks of Hand Pictures -- Clinical Applicability of Mental Rotation Tasks -- References --

Left, Right, Hand in Space -- Abstract -- 1. Introduction -- 2. Method -- 2.1. Participants -- 2.2. Materials and Procedures -- 3. Results -- 3.1. Hand Preference -- 3.2. Finger Tapping -- 3.2.1. Uni-manual Performance -- 3.2.2. Bimanual Performance -- Discussion -- Conclusion -- Acknowledgment -- References --

Electrostimulation Mapping and Language Lateralization in the Right Hemisphere -- Abstract -- Abbreviations -- Introduction -- Methods -- Patients -- Pre- and Postoperative Assessments -- Stimulation Mapping -- Results -- Handedness -- Stimulation Maps -- Relationship between Handedness and Stimulation Maps -- Postoperative Assessments -- Discussion -- Handedness, Functional Imaging, and Language Lateralization -- Handedness and Stimulation Mapping Studies of the Right Hemisphere -- Stimulation Mapping Studies of the Right "Nondominant" Hemisphere -- Limitations -- Conclusion -- References --

Handedness, Achievement in Sport and Boxing* -- Abstract -- Handedness -- Handedness and Motor Abilities -- Hand Preference and Hand Skill -- Left-Handedness and Success in Sport -- Left-Handedness and Boxing -- References --

Handedness of Children Determines Preferential Facial and Eye Movements Related to Hemispheric Specialization* -- Abstract -- Background -- Methods -- Results -- Introduction -- Methods -- Subjects -- Procedures -- Statistical Analysis -- Results -- Discussion -- Acknowledgment -- References -- Index.
