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Autore	Ittyerah Miriam
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Descrizione fisica	1 online resource (258 p.)
Collana	Advances in interaction studies (AIS), , 1879-873X ; ; volume 5
Disciplina	152.3/35
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Hand Preference and Hand Ability; Editorial page; Title page; LCC data; Table of contents; Preface; Ways of knowing; 1.1 Introduction; 1.2 Ways of knowing; 1.3 Perception; 1.4 Action; 1.5 Language; 1.6 Reading with fingers; 1.7 Sensory modes of concept attainment; 1.8 Queries and concern; 1.9 Evolution of lateralization; 1.10 Right and left hemisphere advantages; 1.11 Evolution of handedness; 1.12 Advantages of laterlization; Hand; 2.1 Fundamental grips; 2.2 Grasping behaviour; 2.3 Development of manual dexterity; 2.4 Role of vision in hand actions 2.5 Experimental treatments that assess the role of vision2.5.1 Restricted rearing; 2.5.2 Reafference studies; 2.5.3 Perceptual rearrangement; 2.6 Eye- hand coordination; 2.7 Reaching without vision; 2.8 Is pointing guided by vision?; 2.9 Hand preference; Hand and brain; 3.1 Vertebrate lateralization; 3.2 Lateralization of object recognition; 3.3 Somatosensory asymmetry; 3.4 Left and right: Brain and hand; 3.5 Dissociation of thought and action; 3.6 Effect of delay in thought and action; 3.7 Role of vision in hand actions; 3.8 The hand as a frame of reference; 3.9 Sensorimotor interface 3.10 Handedness and species differentiationTactile cognition; 4.1 Sensitivity; 4.2 Perceiving weights and temperatures; 4.3 Touch receptors and neural pathways; 4.4 Inter-sensory integration; 4.5 Unity of the senses; 4.6 Studies with blind subjects; 4.7 Haptic cognition; 4.8

	Multimodal spatial interactions; 4.9 Three dimensional shapes; 4.10 Do the hands differ in haptic cognition?; 4.11 Millar's reference hypothesis; 4.12 Is vision necessary for haptic perception?; Hand and skill; 5.1 Developing motor skills; 5.2 Hand preferences differ from hand ability; 5.3 Hand ability 5.4 Implications of hand abilityEpilogue; References; Author index; Subject index
Sommario/riassunto	This volume adds new dimension and organization to the literature of touch and the hand, covering a diversity of topics surrounding the perception and cognition of touch in relation to the hand. No animal species compare to humans with regard to the haptic (or touch) sense, so unlike visual or auditory cognition, we know little about such haptic cognition. We do know that motor skills play a major role in haptics, but senses like vision do not determine hand preference or hand ability. It seems also that the potential ability to perform a task may be present in both hands and evidence indicate

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Soggetti	Diagnosis, Laboratory Clinical Laboratory Techniques Biochemistry Biomedical Technology Periodical Periodicals.
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