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Reorganization of cortical representations of the hand following alterations of skin inputs induced by nerve injury, skin island transfers, and experience

DOI: 10.1016/s0894-1130(12)80290-0
Journal of Hand Therapy, 1993, 6, 89-104.

Source: <https://exaly.com/paper-pdf/23909823/citation-report.pdf>

Version: 2024-04-28

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#	Paper	IF	Citations
314	Nerve repair: correlation of restitution of functional sensibility with specific cognitive capacities. 1994 , 19, 452-8		59
313	Development, critical period plasticity, and adult reorganizations of mammalian somatosensory systems. 1994 , 4, 535-44		146
312	Paradoxical clinical consequences of peripheral nerve injury: a review of anatomical, neurophysiological and psychological mechanisms. 1995 , 48, 384-95		25
311	Dynamic regulation of receptive fields and maps in the adult sensory cortex. 1995 , 18, 129-58		259
310	Plasticity of adult sensorimotor representations. 1995 , 5, 749-54		190
309	Cutaneous representations of the hand and other body parts in the cuneate nucleus of a primate, and some relationships to previously described cortical representations. 1996 , 13, 187-97		21
308	Event-related potentials during auditory and somatosensory discrimination in sighted and blind human subjects. 1996 , 4, 77-93		116
307	Le syndrome d'exclusion segmentaire de la main et des doigts. Comportement de négligence d'origine périphérique?. 1996 , 39, 433-442		3
306	Recovery of sensory and motor function after nerve repair. A rationale for evaluation. <i>Journal of Hand Therapy</i> , 1996 , 9, 315-27	1.6	110
305	Experience-induced plasticity of cutaneous maps in the primary somatosensory cortex of adult monkeys and rats. 1996 , 90, 277-87		87
304	Initial cortical reactions to injury of the median and radial nerves to the hands of adult primates. 1996 , 366, 700-16		50
303	Extensive cortical reorganization following sciatic nerve injury in adult rats versus restricted reorganization after neonatal injury: implications for spatial and temporal limits on somatosensory plasticity. 1996 , 108, 379-90		21
302	Tactile spatial acuity at the human fingertip and lip: bilateral symmetry and interdigit variability. 1996 , 46, 1464-6		94
301	A primate genesis model of focal dystonia and repetitive strain injury: I. Learning-induced dedifferentiation of the representation of the hand in the primary somatosensory cortex in adult monkeys. 1996 , 47, 508-20		496
300	Sensory dysfunction associated with repetitive strain injuries of tendinitis and focal hand dystonia: a comparative study. 1996 , 23, 234-44		130
299	Discussion. 1997 , 99, 1932-1933		7
298	Sensory regulation of immediate-early gene expression in mammalian visual cortex: implications for functional mapping and neural plasticity. 1997 , 23, 237-56		217

297	The complex structure of a simple memory. 1997 , 20, 588-94		153
296	The brain has a body: adaptive behavior emerges from interactions of nervous system, body and environment. 1997 , 20, 553-7		619
295	Tubular versus conventional repair of median and ulnar nerves in the human forearm: early results from a prospective, randomized, clinical study. 1997 , 22, 99-106		163
294	Developmental adaptation of rat nociceptive withdrawal reflexes after neonatal tendon transfer. 1997 , 17, 2071-8		35
293	Case study of a five-stage sensory reeducation program. <i>Journal of Hand Therapy</i> , 1997 , 10, 232-9	1.6	12
292	The neural consequences of repetition: clinical implications of a learning hypothesis. <i>Journal of Hand Therapy</i> , 1997 , 10, 160-74	1.6	72
291	Rapid changes in brainstem maps of adult primates after peripheral injury. 1997 , 774, 211-5		42
290	Loss of primary afferent nerve terminals in the brainstem after peripheral nerve transection: an anatomical study in monkeys. 1997 , 196, 279-89		6
289	On the reorganization of sensory hand areas after mono-hemispheric lesion: a functional (MEG)/anatomical (MRI) integrative study. 1998 , 782, 153-66		92
288	A new tactile gnosis instrument in sensibility testing. <i>Journal of Hand Therapy</i> , 1998 , 11, 251-7	1.6	98
287	Long-term effects of sensory reeducation following digital replantation and revascularization. 1998 , 18, 334-6		21
286	Somatotopic consolidation: a third phase of reorganization after peripheral nerve injury in adult squirrel monkeys. 1998 , 118, 189-96		48
285	Environmental enrichment alters organizational features of the forepaw representation in the primary somatosensory cortex of adult rats. 1998 , 121, 191-204		101
284	Artificial sensibility based on the use of piezoresistive sensors. Preliminary observations. 1998 , 23, 620-6		31
283	Surgery of the spastic hand in cerebral palsy. Improvement in stereognosis and hand function after surgery. 1998 , 23, 334-9		54
282	Waking up a sleeping sensibility. 1998 , 352, 328		5
281	A neuromagnetic normative data set for hemispheric sensory hand cortical representations and their interhemispheric differences. 1998 , 2, 306-14		17
280	Phantom limb phenomenon after limb reattachment or cross-transfer. Three patient histories. 1998 , 39, 384-7		2

279	1. Traumatic brain injury: Prevention, pathophysiology, and outcome prediction. 1998 , 79, S3-S9	6
278	The human motor cortex after incomplete spinal cord injury: an investigation using proton magnetic resonance spectroscopy. 1998 , 65, 748-54	27
277	Responses of thenar muscles to transcranial magnetic stimulation of the motor cortex in patients with incomplete spinal cord injury. 1998 , 65, 80-7	53
276	EXPERIMENTAL NERVE GRAFTING TOWARDS FUTURE SOLUTIONS OF A CLINICAL PROBLEM. 1998 , 03, 165-173	14
275	Curriculum for graduate courses in amplification. 1998 , 3, 6-44	1
274	Mechanisms of cortical reorganization in lower-limb amputees. 1998 , 18, 3443-50	256
273	Cerebral organization for language in deaf and hearing subjects: biological constraints and effects of experience. 1998 , 95, 922-9	417
272	Postoperative management following thumb reconstruction. 1998 , 2, 221-31	1
271	Single-cell correlates of a representational boundary in rat somatosensory cortex. 1998 , 18, 4403-16	26
270	Plasticity of primary somatosensory cortex paralleling sensorimotor skill recovery from stroke in adult monkeys. 1998 , 79, 2119-48	280
269	Nerve Repair: Current Concept and Future Prospectives: Guest Editorial. 1999 , 4, 5-7	5
268	Therapeutic Interventions to Improve Upper Extremity Recovery and Function. 1999 , 15, 819-832	47
267	Vasogenic edema on MELAS: a serial study with diffusion-weighted MR imaging. 1999 , 53, 2182-4	100
266	[11C](R)-PK11195 positron emission tomography imaging of activated microglia in vivo in Rasmussen's encephalitis. 1999 , 53, 2199-203	191
265	Primary sensory neuron survival following targeted administration of nerve growth factor to an injured nerve. 1999 , 33, 387-92	10
264	No evidence of hypoxic tissue on 18F-fluoromisonidazole PET after intracerebral hemorrhage. 1999 , 53, 2179-82	57
263	Reorganization of sensory and motor systems in hemiplegic stroke patients. A positron emission tomography study. 1999 , 30, 1510-6	172
262	Sporadic Creutzfeldt-Jakob disease: co-occurrence of different types of PrP(Sc) in the same brain. 1999 , 53, 2173-6	162

261	Silent functional magnetic resonance imaging demonstrates focal activation in rapid eye movement sleep. 1999 , 53, 2193-5	194
260	Intracerebral hemorrhage outcome: apolipoprotein E genotype, hematoma, and edema volumes. 1999 , 53, 2176-9	66
259	Optic nerve edema as a consequence of respiratory disease. 1999 , 53, 2204-5	1
258	Neuroimaging study in autosomal dominant cerebellar ataxia, deafness, and narcolepsy. 1999 , 53, 2190-2	37
257	? REVIEW : Plasticity in the Human Motor System. 1999 , 5, 324-332	23
256	Autosomal dominant familial spinal and bulbar muscular atrophy with gynecomastia. 1999 , 53, 2187-9	9
255	Functional Magnetic Resonance Imaging of Pain Consciousness: Cortical Networks of Pain Critically Depend on What is Implied by "Pain". 1999 , 3, 308-315	14
254	Treatment of peripheral nerve injuries: surgeons' perspective. <i>Journal of Hand Therapy</i> , 1999 , 12, 135-40.6	1
253	Movement dysfunction following repetitive hand opening and closing: anatomical analysis in Owl monkeys. 1999 , 14, 295-306	79
252	Biomechanical performance of latex and non-latex double-glove systems. 1999 , 48, 797-806	14
251	Hearing as substitution for sensation: a new principle for artificial sensibility. 1999 , 24, 219-24	49
250	Auditory cortical plasticity: a comparison with other sensory systems. 1999 , 22, 74-80	255
249	Somesthesia. 1999 , 50, 305-31	59
248	Cultured inclusion-body myositis muscle fibers do not accumulate beta-amyloid precursor protein and can be innervated. 1999 , 53, 2184-7	7
247	Soleus H-reflex tests in causalgia-dystonia compared with dystonia and mimicked dystonic posture. 1999 , 53, 2196-8	12
246	Evaluation of hand sensibility with single and double latex gloves. 1999 , 103, 128-31	41
245	Comparing the Responsiveness over Time of Two Tactile Gnosis Tests: Two-Point Discrimination and the STI-Test. 2000 , 5, 114-119	19
244	Attending to and remembering tactile stimuli: a review of brain imaging data and single-neuron responses. 2000 , 17, 575-91	148

243	Treatment effectiveness for patients with a history of repetitive hand use and focal hand dystonia: a planned, prospective follow-up study. <i>Journal of Hand Therapy</i> , 2000 , 13, 289-301	1.6	99
242	Tactile perception in blind Braille readers: a psychophysical study of acuity and hyperacuity using gratings and dot patterns. 2000 , 62, 301-12		155
241	Enhanced excitability of the human visual cortex induced by short-term light deprivation. 2000 , 10, 529-34		171
240	A 25-year perspective of peripheral nerve surgery: evolving neuroscientific concepts and clinical significance. 2000 , 25, 391-414		469
239	A model instrument for the documentation of outcome after nerve repair. 2000 , 25, 535-43		145
238	Brain plasticity and hand surgery: an overview. 2000 , 25, 242-52		112
237	Plasticity of the human motor cortex and recovery from stroke. 2001 , 36, 169-74		257
236	Functional recovery of taste sensitivity to sodium chloride depends on regeneration of the chorda tympani nerve after transection in the rat.. 2001 , 115, 1073-1085		20
235	Auditory pathway encoding and neural plasticity in children with learning problems. 2001 , 6, 221-7		20
234	A prospective study of early tactile stimulation after digital nerve repair. 2001 , 169-75		25
233	Interposition of a pedicle fat flap significantly improves specificity of reinnervation and motor recovery after repair of transected nerves in adjacency in rats. 2001 , 107, 116-23		21
232	Evaluation of hand sensibility: a review. <i>Journal of Hand Therapy</i> , 2001 , 14, 266-72	1.6	21
231	Effects of auditory and visual deprivation on human brain development. 2001 , 1, 248-257		7
230	Fine motor assessment in chronic wrist pain: the role of adapted motor control. 2001 , 15, 133-41		17
229	Centripetal and centrifugal reorganizations of frequency map of auditory cortex in gerbils. 2002 , 99, 7108-12		43
228	Repetitive Task Practice: A Critical Review of Constraint-Induced Movement Therapy in Stroke. 2002 , 8, 325-338		38
227	Motor control impairment of the contralateral wrist in patients with unilateral chronic wrist pain. 2002 , 81, 177-81		15
226	Pathophysiological tissue changes associated with repetitive movement: a review of the evidence. 2002 , 82, 173-87		105

225	Adaptive changes in early and late blind: a fMRI study of Braille reading. 2002 , 87, 589-607		285
224	Repetitive task practice: a critical review of constraint-induced movement therapy in stroke. 2002 , 8, 325-38		98
223	Immobilization dystonia. 2002 , 201, 79-83		22
222	Hand-arm-vibration syndrome (HAVS): is there a central nervous component? An fMRI study. 2002 , 27, 514-9		7
221	Patient outcome following a thoracodorsal to musculocutaneous nerve transfer for reconstruction of elbow flexion. 2002 , 55, 416-9		64
220	The Byl-Cheney-Boccai Sensory Discriminator: reliability, validity, and responsiveness for testing stereognosis. <i>Journal of Hand Therapy</i> , 2002 , 15, 315-30	1.6	22
219	Cortical network reorganization guided by sensory input features. 2002 , 87, 333-43		51
218	Cross-modal plasticity: where and how?. 2002 , 3, 443-52		693
217	Barrels, stripes, and fingerprints in the brain - implications for theories of cortical organization. 2002 , 31, 347-58		19
216	Music and learning-induced cortical plasticity. 2003 , 999, 438-50		104
215	Richard P. Bunge memorial lecture. Nerve injury and repair--a challenge to the plastic brain. 2003 , 8, 209-26		240
214	A new model instrument for outcome after nerve repair. 2003 , 19, 463-70		43
213	Overview of cortical plasticity and recovery from brain injury. 2003 , 14, S7-25, viii		29
212	Sensation & Perception. 2003 , 19, e2823-e3158		
211	Hand function tests and questions on hand symptoms as related to the Stockholm workshop scales for diagnosis of hand-arm vibration syndrome. 2003 , 28, 165-71		12
210	Early use of artificial sensibility to improve sensory recovery after repair of the median and ulnar nerve. 2003 , 37, 54-7		19
209	Sensory Re-education Today and Tomorrow: A Review of Evolving Concepts. 2003 , 8, 48-56		32
208	Pressure-specifying Sensory Device: Quantitative Sensory Measurement in the Oral Cavity and Oropharynx of Normal Adults. 2003 , 82, 682-690		3

207	Brain plasticity in health and disease. 2004 , 53, 231-46	104
206	Rehabilitation strategies for facial nerve injuries. 2004 , 18, 47-52	17
205	[Secondary nerve reconstruction in the upper extremity in children--results with respect to number of motor units]. 2004 , 36, 19-24	8
204	Sensory re-education after nerve repair: aspects of timing. 2004 , 36, 8-12	30
203	Reorganization of human cerebral cortex: the range of changes following use and injury. 2004 , 10, 129-41	138
202	Brain Plasticity and Cortical Remodeling. 2004 , 211-cp1	
201	Tactile foveation in the star-nosed mole. 2004 , 63, 1-12	49
200	Pathomechanics of MSDs. 2004 , 63-88	1
199	Acute improvement of hand sensibility after selective ipsilateral cutaneous forearm anaesthesia. 2004 , 20, 2733-6	64
198	Cortical activity to vibrotactile stimulation: an fMRI study in blind and sighted individuals. 2004 , 23, 210-28	155
197	Functional imaging of the human trigeminal system: opportunities for new insights into pain processing in health and disease. 2004 , 61, 107-25	71
196	Sensation & Perception. 2004 , 22, e901-e1200	
195	Residual function in peripheral nerve stumps of amputees: implications for neural control of artificial limbs. 2004 , 29, 605-15; discussion 616-8	258
194	The biology of nerve injury and repair. 2004 , 4, 143-155	39
193	Acute improvement of contralateral hand function after deafferentation. 2004 , 15, 1861-5	40
192	Enhanced function in nerve-injured hands after contralateral deafferentation. 2005 , 16, 517-9	25
191	Reduced somatosensory hand representation in thalidomide-induced dysmelia as revealed by fMRI. 2005 , 21, 556-62	10
190	Modulatory effects of low- and high-frequency repetitive transcranial magnetic stimulation on visual cortex of healthy subjects undergoing light deprivation. 2005 , 565, 659-65	73

189	Use-dependent plasticity of the human motor cortex in health and disease. 2005 , 24, 36-9		22
188	Role of afferent input in motor organization in health and disease. 2005 , 24, 40-4		9
187	Cutaneous Perception. 535-566		1
186	Shrinkage of somatosensory hand area in subjects with upper extremity dysmelia revealed by magnetoencephalography. 2005 , 93, 813-8		12
185	Anaesthesia of the axillary plexus induces rapid improvement of sensory function in the contralateral hand: an effect of interhemispheric plasticity. 2005 , 39, 234-7		10
184	Training with a mirror in rehabilitation of the hand. 2005 , 39, 104-8		105
183	Effects of short-term training on sensory and motor function in severed nerves of long-term human amputees. 2005 , 93, 2625-33		129
182	Evidence based medicine in neurological rehabilitation--a critical review. 2005 , 93, 3-14		17
181	Plasticity and reorganization of the uninjured brain. 2005 , 12, 1-10		22
180	Impact of peripheral nerve injury on sensorimotor control. <i>Journal of Hand Therapy</i> , 2005 , 18, 277-91	1.6	38
179	An overview of adaptive model theory: solving the problems of redundancy, resources, and nonlinear interactions in human movement control. 2005 , 2, S279-312		43
178	Cortical plasticity following upper extremity injury and reconstruction. 2005 , 32, 617-34, viii		21
177	Refined myoelectric control in below-elbow amputees using artificial neural networks and a data glove. 2005 , 30, 780-9		80
176	Animal models of focal dystonia. 2005 , 2, 513-24		17
175	Management of radial tunnel syndrome: a therapist's clinical perspective. <i>Journal of Hand Therapy</i> , 2006 , 19, 186-91	1.6	15
174	Sprouting, regeneration and circuit formation in the injured spinal cord: factors and activity. 2006 , 361, 1611-34		146
173	Aberrant learning in individuals who perform repetitive skilled hand movements: Focal hand dystonia Part 1. 2006 , 10, 227-247		7
172	Pain phenomena and sensory recovery following brachial plexus avulsion injury and surgical repairs. 2006 , 31, 596-605		74

171	Brain plasticity: from pathophysiological mechanisms to therapeutic applications. 2006 , 13, 885-97	237
170	Transhemispheric functional reorganization of the motor cortex induced by the peripheral contralateral nerve transfer to the injured arm. 2006 , 138, 1225-31	36
169	Multimodal imaging of brain reorganization in motor areas of the contralesional hemisphere of well recovered patients after capsular stroke. 2006 , 129, 791-808	335
168	The reliability and validity of the locognosia test after injuries to peripheral nerves in the hand. 2006 , 88, 1048-52	18
167	Development and Plasticity in Sensory Thalamus and Cortex. 2006 ,	2
166	Desensitization and Reeducation. 2006 , 151-164	
165	Redirection of cutaneous sensation from the hand to the chest skin of human amputees with targeted reinnervation. 2007 , 104, 20061-6	196
164	Effects of a rostral motor cortex lesion on primary motor cortex hand representation topography in primates. 2007 , 21, 51-61	15
163	Improving hand function in stroke survivors: a pilot study of contralaterally controlled functional electric stimulation in chronic hemiplegia. 2007 , 88, 513-20	60
162	Asymmetrical shoulder kinematics in children with brachial plexus birth palsy. 2007 , 22, 630-8	41
161	Enhanced sensory recovery after median nerve repair using cortical audio-tactile interaction. A randomised multicentre study. 2007 , 32, 31-7	36
160	Targeted reinnervation for enhanced prosthetic arm function in a woman with a proximal amputation: a case study. 2007 , 369, 371-80	328
159	Enhanced sensory relearning after nerve repair by using repeated forearm anaesthesia: aspects on time dynamics of treatment. 2007 , 100, 121-6	20
158	Peripheral Nerve Injuries. 2007 , 473-513	
157	Motor representation areas in epileptic patients with focal motor seizures: a TMS study. 2007 , 75, 197-205	21
156	Crossed cortico-spinal motor control after capsular stroke. 2007 , 25, 2935-45	37
155	Functional neuroimaging in stroke recovery and neurorehabilitation: conceptual issues and perspectives. 2007 , 2, 245-64	55
154	Hand function after nerve repair. 2007 , 189, 207-17	174

153	Motor imagery and action observation: cognitive tools for rehabilitation. 2007 , 114, 1265-78	347
152	Tactile perception in adults with autism: a multidimensional psychophysical study. 2008 , 38, 127-37	237
151	Repairing the human brain after stroke: I. Mechanisms of spontaneous recovery. 2008 , 63, 272-87	543
150	Rehabilitation following motor nerve transfers. 2008 , 24, 417-23, vi	35
149	Cortical plasticity following nerve transfer in the upper extremity. 2008 , 24, 425-44, vi-vii	64
148	Upper limb amputees can be induced to experience a rubber hand as their own. 2008 , 131, 3443-52	298
147	Emotion perception deficits following traumatic brain injury: a review of the evidence and rationale for intervention. 2008 , 14, 511-25	103
146	Changes in the limb kinematics and walking-distance estimation after shank elongation: evidence for a locomotor body schema?. 2009 , 101, 1419-29	29
145	Brainstem reflexes are enhanced following severe spinal cord injury and reduced by continuous intrathecal baclofen. 2009 , 23, 921-7	22
144	Assisted movement with enhanced sensation (AMES): coupling motor and sensory to remediate motor deficits in chronic stroke patients. 2009 , 23, 67-77	79
143	Improved sensibility of the foot after temporary cutaneous anesthesia of the lower leg. 2009 , 20, 37-41	9
142	Sensory Re-education. 2009 , 669-674	
141	Early sensory relearning after median nerve repair using mirror training and sense substitution. 2009 , 14, 75-82	11
140	Brain plasticity and genetic factors. 2009 , 16, 282-99	42
139	Movement variability and the use of nonlinear tools: principles to guide physical therapist practice. 2009 , 89, 267-82	304
138	Extensive spinal decussation and bilateral termination of cervical corticospinal projections in rhesus monkeys. 2009 , 513, 151-63	124
137	Rapid cortical reorganisation and improved sensitivity of the hand following cutaneous anaesthesia of the forearm. 2009 , 29, 837-44	56
136	Review of electrical stimulation in cerebral palsy and recommendations for future directions. 2009 , 51 Suppl 4, 154-65	24

135	Effect of sensory re-education after low median nerve complete transection and repair. 2009 , 34, 1210-5	18
134	Effect of upper extremity nerve damage on activity participation, pain, depression, and quality of life. 2009 , 34, 1682-8	76
133	Encyclopedia of Neuroscience. 2009 , 3357-3555	
132	The Bobath Concept: Developments and Current Theoretical Underpinning. 1-22	7
131	Crossed over repair of the femoral sensory and motor branches influences N-CAM. 2010 , 21, 841-5	6
130	Novel use of C7 spinal nerve for Moebius. 2010 , 126, 106-117	15
129	On theory of motor synergies. 2010 , 29, 655-83	13
128	Touch and the body. 2010 , 34, 224-36	134
127	Cutaneous anaesthesia of the lower leg can improve sensibility in the diabetic foot. A double-blind, randomized clinical trial. 2010 , 27, 823-9	11
126	The phantom limb experience and sensory phenomena in a relocated limb in a case of fillet flap used to reconstruct a massive wound proximal to an above-knee amputation. 2010 , 175, 1030-6	
125	Amputation with median nerve redirection (targeted reinnervation) reactivates forepaw barrel subfield in rats. 2010 , 30, 16008-14	9
124	Genetic influences on neural plasticity. 2010 , 2, S227-40	30
123	Brain development and the nature versus nurture debate. 2011 , 189, 3-22	16
122	Reorganization of the injured brain: implications for studies of the neural substrate of cognition. 2011 , 2, 7	25
121	A Framework for the Study of Multiple Realizations: The Importance of Levels of Analysis. 2011 , 2,	11
120	Alteration and reorganization of functional networks: a new perspective in brain injury study. 2011 , 5, 90	25
119	Clinical commentary in response to: Sensory relearning in peripheral nerve disorders of the hand: a web-based survey and Delphi consensus method. <i>Journal of Hand Therapy</i> , 2011 , 24, 300-2	1.6 4
118	Locomotor body scheme. 2011 , 30, 341-51	47

117	Stump nerve signals during transcranial magnetic motor cortex stimulation recorded in an amputee via longitudinal intrafascicular electrodes. 2011 , 210, 1-11		12
116	Improving hand sensibility in vibration induced neuropathy: A case-series. 2011 , 6, 13		2
115	Repair of complete nerve lacerations at the forearm: an outcome study using Rosh-Lundborg protocol. 2011 , 31, 253-62		19
114	The physiology of developmental changes in BOLD functional imaging signals. 2011 , 1, 199-216		108
113	Changes in CNS structures after spinal cord lesions implications for BMI. 2011 , 194, 191-202		11
112	Functional expansion of sensorimotor representation and structural reorganization of callosal connections in lower limb amputees. 2012 , 32, 3211-20		88
111	Nerve transfers. 2012 , 28, 571-7		9
110	Dog experts' brains distinguish socially relevant body postures similarly in dogs and humans. <i>PLoS ONE</i> , 2012 , 7, e39145	3.7	31
109	Differential grey matter changes in sensorimotor cortex related to exceptional fine motor skills. <i>PLoS ONE</i> , 2012 , 7, e51900	3.7	3
108	Target selection. 2012 , 143-169		
107	Outcome models in peripheral nerve repair: time for a reappraisal or for a novel?. 2012 , 32, 326-33		10
106	Effects of sensory reeducation programs on functional hand sensibility after median and ulnar repair: a systematic review. <i>Journal of Hand Therapy</i> , 2012 , 25, 297-306; quiz 307	1.6	33
105	Prognostic scoring system for peripheral nerve repair in the upper extremity. 2013 , 33, 105-11		5
104	Altered variability in proprioceptive postural strategy in people with recurrent low back pain. 2013 , 135-144		3
103	Evidence and techniques in rehabilitation following nerve injuries. 2013 , 29, 383-92		28
102	Plasticity in the cerebellum and primary somatosensory cortex relating to habitual and continuous slender branch climbing in laboratory mice (<i>Mus musculus</i>). 2013 , 296, 822-33		4
101	Somatosensory space abridged: rapid change in tactile localization using a motion stimulus. <i>PLoS ONE</i> , 2014 , 9, e90892	3.7	15
100	Brain reorganization as a function of walking experience in 12-month-old infants: implications for the development of manual laterality. 2014 , 5, 245		23

99	Non-physical practice improves task performance in an unstable, perturbed environment: motor imagery and observational balance training. 2014 , 8, 972	55
98	Chronic pain. 289-297	
97	Loss of somatic sensation. 298-311	1
96	Differential recovery of touch thresholds and discriminative touch following nerve repair with focus on time dynamics. 2014 , 19, 59-66	4
95	Changes of medium-latency SEP-components following peripheral nerve lesion. 2006 , 1, 4	3
94	The Hand and the Brain. 2014 ,	5
93	AMPA and GABA(A/B) receptor subunit expression in the cuneate nucleus of adult squirrel monkeys during peripheral nerve regeneration. 2014 , 559, 141-6	6
92	Peripheral Nerve Problems. 2014 , 272-311	1
91	Early evaluation of nerve regeneration after nerve injury and repair using functional connectivity MRI. 2014 , 28, 707-15	9
90	Role of Central Plasticity in the Outcome of Peripheral Nerve Regeneration. 2015 , 77, 418-23	18
89	Rehabilitation of the upper extremity following nerve and tendon reconstruction: when and how. 2015 , 29, 73-80	20
88	The Science of Reconstructive Transplantation. 2015 ,	3
87	Reduced density of geniculocortical terminals in foveal layer 4A in the macaque primary visual cortex: relationship to S-cone density. 2015 , 220, 2783-96	3
86	Why Brain Science is Essential to the Success of Hand Allotransplantation. 2015 , 361-375	1
85	Cortical Plasticity After Peripheral Nerve Injury. 2015 , 1055-1076	4
84	Animal Models of Focal Dystonia. 2015 , 453-464	
83	Exciting recovery: augmenting practice with stimulation to optimize outcomes after spinal cord injury. 2015 , 218, 103-26	15
82	Is neuroplasticity in the central nervous system the missing link to our understanding of chronic musculoskeletal disorders?. 2015 , 16, 25	107

81	Elastomeric Electronic Skin for Prosthetic Tactile Sensation. 2015 , 25, 2287-2295		246
80	Long term functional outcomes after early childhood pollicization. <i>Journal of Hand Therapy</i> , 2015 , 28, 158-65; quiz 166	1.6	16
79	Sensory cortical re-mapping following upper-limb amputation and subsequent targeted reinnervation: A case report. 2015 , 8, 329-36		21
78	Neurotized sural flap: An alternative in sensory reconstruction of the foot and ankle defects. 2015 , 35, 183-9		11
77	Effect of sensorimotor stimulation on chronic stroke patients' upper extremity function: a preliminary study. 2016 , 28, 3350-3353		6
76	Randomized Trial of Peripheral Nerve Stimulation to Enhance Modified Constraint-Induced Therapy After Stroke. 2016 , 95, 397-406		24
75	Velocity of motion across the skin influences perception of tactile location. 2016 , 115, 674-84		7
74	Nerve Stimulation Enhances Task-Oriented Training in Chronic, Severe Motor Deficit After Stroke: A Randomized Trial. 2016 , 47, 1879-84		29
73	Recovery function of somatosensory evoked brain response in patients with carpal tunnel syndrome: A magnetoencephalographic study. 2016 , 127, 2733-2738		9
72	The Effect of Treatment on Stereognosis in Children With Hemiplegic Cerebral Palsy. 2016 , 41, 91-6		4
71	Stability of Sensory Topographies in Adult Cortex. 2017 , 21, 195-204		70
70	Neural plasticity during motor learning with motor imagery practice: Review and perspectives. 2017 , 341, 61-78		103
69	Modern Concepts of Peripheral Nerve Repair. 2017 ,		1
68	Occupation-based intervention versus rote exercise in modified constraint-induced movement therapy for patients with median and ulnar nerve injuries: a randomized controlled trial. 2017 , 31, 1087-1097		7
67	Good sensory recovery of the hand in brachial plexus surgery using the intercostobrachial nerve as the donor. 2017 , 75, 796-800		5
66	Sensory Re-education?. 2017 ,		
65	Paratonia in Flemish Nursing Homes: Current State of Practice. 2018 , 33, 205-214		4
64	Structural changes in hand related cortical areas after median nerve injury and repair. 2018 , 8, 4485		2

63	Patients' views on early sensory relearning following nerve repair-a Q-methodology study. <i>Journal of Hand Therapy</i> , 2018 , 31, 443-450	1.6	4
62	Can mirror visual feedback improve sensory relearning outcomes following median/ulnar nerve repair?. 2018 , 25, 552-559		1
61	Outcomes After Surgical Treatment of Spastic Upper Extremity Conditions. 2018 , 34, 583-591		2
60	Plasticity in the Brain after a Traumatic Brachial Plexus Injury in Adults. 2019 ,		3
59	Collaboration between the breast and plastic surgeon in restoring sensation after mastectomy. 2019 , 25, 1187-1191		3
58	Motion-Induced Scotoma. 2019 , 48, 115-137		1
57	Target Selection. 2019 , 159-193		
56	Remapping in Cerebral and Cerebellar Cortices Is Not Restricted by Somatotopy. 2019 , 39, 9328-9342		19
55	Similar 2-point discrimination and stereognosia but better locognosia at long term with an independent home-based sensory reeducation program vs no reeducation after low-median nerve transection and repair. <i>Journal of Hand Therapy</i> , 2019 , 32, 305-312	1.6	3
54	Conversion and Self-Transformation in Christian Monasticism: A Cognitive Perspective. 2020 , 59, 1610-1625		1
53	Biomimetic Approaches for Separated Regeneration of Sensory and Motor Fibers in Amputee People: Necessary Conditions for Functional Integration of Sensory-Motor Prostheses With the Peripheral Nerves. 2020 , 8, 584823		1
52	Brain (re)organisation following amputation: Implications for phantom limb pain. 2020 , 218, 116943		32
51	Disinhibition of Human Primary Somatosensory Cortex After Median Nerve Transection and Reinnervation. 2020 , 14, 166		3
50	Growth of the retina and tectum: Implications for the retinotectal map. 2020 , 109-138		
49	Invited review: Utilizing peripheral nerve regenerative elements to repair damage in the CNS. 2020 , 335, 108623		10
48	Clinical Application of Brain Plasticity in Neurosurgery. 2021 , 146, 31-39		2
47	Management of posterior interosseous nerve (PIN) palsies after distal biceps tendon repair using a single incision technique- a conclusive approach to diagnostics and therapy. 2021 , 55, 226-231		
46	The effects of sensory re-education on hand function recovery after peripheral nerve repair: A systematic review. 2021 , 48, 293-304		0

45	Expansion and contraction of resource allocation in sensory bottlenecks.	
44	High-Field (9.4T) Magnetic Resonance Imaging in Squirrel Monkey. 2006 , 288-316	2
43	Plasticity and Basal Ganglia Disorders. 2001 , 197-204	1
42	Spinal Cord Plasticity in the Acquisition of a Simple Motor Skill. 2001 , 101-125	9
41	Spezielle Weichteilschäden. 2003 , 183-258	1
40	Neuroplasticity in the Adjustment to Blindness. 1999 , 93-108	3
39	Contemporary issues and theories of motor control, motor learning, and neuroplasticity. 2013 , 69-98	1
38	Nerve Injury and Repair: From Molecule to Man. 2006 , 1-22	1
37	Sensation and Sensorimotor Integration in Hand Function. 2004 , 198-cp1	1
36	New Norms for Teleosemantics. 2004 , 91-106	4
35	Visual Deprivation Effects on Somatosensory and Visual Systems: Behavioral and Cortical Changes. 2008 , 363-391	3
34	Plasticity. 2000 , 569-586	4
33	Plasticity of the Adult Human Brain. 2000 , 621-638	4
32	NERVE TRANSFERS. 1999 , 15, 643-666	143
31	SENSORY SUBSTITUTION IN PROSTHETICS. 2001 , 17, 481-488	61
30	Peripheral Neurotrauma-Induced Sensory Neuropathy. 2001 , 13, 223-235	6
29	Brain, Body, and Mind: Lessons from Infant Motor Development. 2009 , 51-66	8
28	A Consciência Como Fruto da Evoluç e do Funcionamento do Sistema Nervoso. 1997 , 8, 181-226	3

- 27 THE PHENOMENON OF NEUROPLASTICITY IN THE MECHANISMS OF REFLEXOTHERAPY. **2019**, 9, 172-181 2
- 26 Effects of Freezing of Gait and Visual Information on the Static Postural Control Ability in Patients with Parkinson's Disease. **2016**, 26, 293-301 4
- 25 Sensory Relearning and Sensory Re-education. **2004**, 224-234
- 24 Common Peripheral Nerve Problems. **2007**, 201-250 1
- 23 9 Spiegeltherapie in de praktijk. **2010**, 143-155
- 22 Therapist's Management of the Stiff Hand. **2011**, 894-921.e3 3
- 21 Sensory Reeducation. **2011**, 634-645.e3
- 20 Periphere Nervenläsionen. **2013**, 389-540
- 19 Integrating technology into clinical practice in neurological rehabilitation. **2013**, 1113-1172
- 18 How the Hand Shapes the Brain. **2014**, 93-102
- 17 Passive Devices for Upper Limb Training. **2016**, 533-551
- 16 Plasticiteit en flexibiliteit. **2017**, 71-82
- 15 Rehabilitation Following Peripheral Nerve Injury. **2017**, 109-125 3
- 14 Proteomic analysis of trans-hemispheric motor cortex reorganization following contralateral C nerve transfer. *Neural Regeneration Research*, **2018**, 13, 331-339 4-5
- 13 Remapping in cerebral and cerebellar cortices is not restricted by somatotopy.
- 12 A Touch-Observation and Task-Based Mirror Therapy Protocol to Improve Sensorimotor Control and Functional Capability of Hands for Patients With Peripheral Nerve Injury. *American Journal of Occupational Therapy*, **2019**, 73, 7302205020p1-7302205020p10 0.4 3
- 11 Scrambling the skin: Simulated Skin Re-Arrangement Using Apparent Motion.
- 10 Scrambling the skin: A psychophysical study of adaptation to scrambled tactile apparent motion. *PLoS ONE*, **2020**, 15, e0227462 3-7

- 9 The Sensor Glove in Preoperative Conditioning and Postoperative Rehabilitation. **2007**, 347-354
- 8 Rehabilitation of Nerve Injuries. **2021**, 1-28
- 7 Demonic Machinations and Cognitive Mechanisms: Cognitive Insights into Early Monastic Demonology. *Journal of Religion*, **2022**, 102, 1-26 0.7
- 6 Assessment of neurofunctional activity in patients with vibration disease caused by combined effects of local and general vibration. *Meditcina Truda I Promyshlennaia Ekologija*, **2021**, 61, 726-733 0.3 1
- 5 Efficacy of contralaterally controlled functional electrical stimulation compared to cyclic neuromuscular electrical stimulation and task-oriented training for recovery of hand function after stroke: study protocol for a multi-site randomized controlled trial.. *Trials*, **2022**, 23, 397 2.8
- 4 Rehabilitation of Nerve Injuries. *Reference Series in Biomedical Engineering*, **2022**, 573-599
- 3 Expansion and contraction of resource allocation in sensory bottlenecks. 11,
- 2 Rehabilitation Using Motor Imagery After a Post-Traumatic Cortical Reorganization. **2022**, 169-193 0
- 1 Passive Devices for Upper Limb Training. **2022**, 525-547 0