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Motor cortex plasticity during constraint-induced movement therapy in stroke patients

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#	Paper	IF	Citations
608	An Overview of Treadmill Locomotor Training with Partial Body Weight Support: A Neurophysiologically Sound Approach Whose Time Has Come for Randomized Clinical Trials. 1999 , 13, 157-165		81
607	The role of diaschisis in stroke recovery. 1999 , 30, 1844-50		158
606	Mechanisms of recovery of dexterity following unilateral lesion of the sensorimotor cortex in adult monkeys. 1999 , 128, 149-59		178
605	Recovery after damage to motor cortical areas. 1999 , 9, 740-7		178
604	Evolution of functional reorganization in hemiplegic stroke: a serial positron emission tomographic activation study. 1999 , 46, 901-9		166
603	Abnormal motor cortex organization contralateral to early upper limb amputation in humans. <i>Neuroscience Letters</i> , 1999 , 263, 41-4	3.3	60
602	Plasticity of cortical hand muscle representation in patients with hemifacial spasm. <i>Neuroscience Letters</i> , 1999 , 272, 33-6	3.3	22
601	Decrease in phantom limb pain associated with prosthesis-induced increased use of an amputation stump in humans. <i>Neuroscience Letters</i> , 1999 , 272, 131-4	3.3	123
600	A fourth author responds. 1999 , 80, 1607		2
599	Training-induced brain plasticity in aphasia. 1999 , 122 (Pt 9), 1781-90		352
598	Effects of constraint-induced movement therapy on patients with chronic motor deficits after stroke: a replication. 1999 , 30, 586-92		493
597	Supplement to the AHA guidelines for the management of transient ischemic attacks. 2000 , 31, 983-4		
596	Neuroimaging of recovery of function after stroke: implications for rehabilitation. 2000 , 14, 171-9		6
595	Factors contributing to motor impairment and recovery after stroke. 2000 , 14, 301-10		17
594	Motor cortex disinhibition of the unaffected hemisphere after acute stroke. 2000 , 23, 1761-3		238
593	Training-induced changes of motor cortex representations in stroke patients. 2000 , 101, 321-6		130
592	Neural substrate for the effects of passive training on sensorimotor cortical representation: a study with functional magnetic resonance imaging in healthy subjects. 2000 , 20, 478-84		134

591	Experience-associated structural events, subependymal cellular proliferative activity, and functional recovery after injury to the central nervous system. 2000 , 20, 1513-28	122
590	Functional imaging correlates of recovery after stroke in humans. 2000 , 20, 1619-31	45
589	Constraint-induced movement therapy and massed practice. 2000 , 31, 986-8	51
588	Which targets are relevant for therapy of acute ischemic stroke?. 2000 , 31, 984-6	8
587	Effects of statins on ischemic stroke: neuroprotection and/or triggering of apoptotic damage?. 2000 , 31, 989-90	6
586	The A677V MTHFR allele is not associated with carotid atherosclerosis in octogenarians. 2000 , 31, 990-1	4
585	Supplement to the AHA Guidelines for the Management of Transient Ischemic Attacks. 2000 , 31, 983-991	
584	Frequent polymorphism of the human methylenetetrahydrofolate reductase. 2000 , 31, 990	6
583	Effects of postlesion experience on behavioral recovery and neurophysiologic reorganization after cortical injury in primates. 2000 , 14, 187-98	84
582	Mapping clinically relevant plasticity after stroke. 2000 , 39, 842-51	150
581	Treatment-induced cortical reorganization after stroke in humans. 2000 , 31, 1210-6	1053
580	Repetitive bilateral arm training with rhythmic auditory cueing improves motor function in chronic hemiparetic stroke. 2000 , 31, 2390-5	467
579	Motor cortex disinhibition in acute stroke. 2000 , 111, 671-6	272
578	Virtual reality-enhanced stroke rehabilitation. 2001 , 9, 308-18	481
577	Arm training induced brain plasticity in stroke studied with serial positron emission tomography. 2001 , 13, 1146-54	177
576	Patients with capsular infarct and Wallerian degeneration show persistent regional premotor cortex activation on functional magnetic resonance imaging. 2001 , 10, 210-6	8
575	Plasticity of the human motor cortex and recovery from stroke. 2001 , 36, 169-74	257
574	Treadmill training improves fitness reserve in chronic stroke patients. 2001 , 82, 879-84	268

573	Exercise and training to optimize functional motor performance in stroke: driving neural reorganization?. 2001 , 8, 121-9	113
572	People with cerebral palsy: effects of and perspectives for therapy. 2001 , 8, 51-69	67
571	Directions in Retraining Reaching. 2001 , 13, 26	1
570	Functional MRI evidence of cortical reorganization in upper-limb stroke hemiplegia treated with constraint-induced movement therapy. 2001 , 80, 4-12	177
569	Constraint-induced therapy for stroke: more of the same or something completely different?. 2001 , 14, 741-4	42
568	A new model of localized ischemia in rat somatosensory cortex produced by cortical compression. 2001 , 32, 2615-23	25
567	Constraint-induced movement therapy to enhance recovery after stroke. 2001 , 3, 279-86	112
566	Management of upper limb dysfunction in children with cerebral palsy: a systematic review. 2001 , 8 Suppl 5, 150-66	201
565	Mechanisms underlying human motor system plasticity. 2001 , 24, 602-13	57
564	Role of adaptive plasticity in recovery of function after damage to motor cortex. 2001 , 24, 1000-19	420
563	Fluoxetine modulates motor performance and cerebral activation of patients recovering from stroke. 2001 , 50, 718-29	309
562	From tibialis anterior to Tai Chi: biofeedback and beyond. 2001 , 26, 155-74	5
561	The influence of environment and experience on neural grafts. 2001 , 2, 871-9	78
560	Changes in motor cortex activation after recovery from spinal cord inflammation. 2001 , 7, 364-70	18
559	Responses of the densely hemiplegic upper extremity to bilateral training. 2001 , 15, 129-40	28
558	Constraint-induced therapy of chronic aphasia after stroke. 2001 , 32, 1621-6	540
557	Constraint-induced therapy approach to restoring function after neurological injury. 2001 , 8, 16-30	64
556	Mental practice: a promising restorative technique in stroke rehabilitation. 2001 , 8, 54-63	38

555	Functional reorganization of motor areas following repetitive training in hemiparetic patients: A TMS study. 2001 , 46, 182-184	
554	Effect of lesion location on upper limb motor recovery after stroke. 2001 , 32, 107-12	249
553	Limb immobilization for the treatment of focal occupational dystonia. 2001 , 57, 405-9	122
552	Motor recovery and cortical reorganization after constraint-induced movement therapy in stroke patients: a preliminary study. 2002 , 16, 326-38	208
551	Analysis of fMRI and finger tracking training in subjects with chronic stroke. 2002 , 125, 773-88	450
550	Motor recovery after stroke: lessons from functional brain imaging. 2002 , 24, 453-8	41
549	Localization of arm representation in the corona radiata and internal capsule in the non-human primate. 2002 , 125, 176-98	91
548	Hand function and stroke. 2002 , 12, 68-81	54
547	Repetitive Task Practice: A Critical Review of Constraint-Induced Movement Therapy in Stroke. 2002 , 8, 325-338	38
546	Constraint induced movement therapy in the treatment of the upper limb in children with spastic hemiplegic cerebral palsy. 2002 ,	2
545	Chapter 32 Modulation of cortical plasticity. 2002 , 54, 210-215	
544	Chapter 36 Neurophysiological markers of recovery of function after stroke. 2002 , 54, 236-247	
543	Chapter 38 Neurophysiological correlates of cortical plasticity after stroke. 2002 , 253-257	5
542	Repetitive task practice: a critical review of constraint-induced movement therapy in stroke. 2002 , 8, 325-38	98
541	Correlation between motor improvements and altered fMRI activity after rehabilitative therapy. 2002 , 125, 2731-42	456
540	Time-related changes of excitability of the human motor system contingent upon immobilisation of the ring and little fingers. 2002 , 113, 367-75	88
539	Exploring a repetitive training regime for upper limb hemiparesis in an in-patient setting: a report on three case studies. 2002 , 16, 1093-107	25
538	Recovery of motor and language abilities after stroke: the contribution of functional imaging. 2002 , 66, 109-22	123

537	Neurobehavioral aspects of recovery: assessment of the learned nonuse phenomenon in hemiparetic adolescents. 2002 , 83, 1726-31	77
536	Functional activation of peri-infarct tissue for prediction of recovery after focal ischemia. 2002 , 1235, 457-464	
535	Motor disinhibition in affected and unaffected hemisphere in the early period of recovery after stroke. 2002 , 113, 936-43	199
534	Stimulation-induced within-representation and across-representation plasticity in human motor cortex. 2002 , 22, 5563-71	46
533	When should upper limb function be trained after stroke? Evidence for and against early intervention. 2002 , 17, 215-224	22
532	Coordination and movement pathology: models of structure and function. 2002 , 110, 357-64	16
531	Motor control and cerebral hemispheric specialization in highly qualified judo wrestlers. 2002 , 40, 1209-19	53
530	Restoring Movement and Functional Ability after Stroke. 2002 , 88, 3-17	19
529	Magnetic stimulation of the central and peripheral nervous systems. 2002 , 25, 160-75	84
528	Cortical activation studies in aphasia. 2002 , 2, 511-5	16
527	Neurorehabilitation of upper extremities in humans with sensory-motor impairment. 2002 , 5, 54-66	28
526	Physical therapy in spasticity. 2002 , 9 Suppl 1, 17-22; dicussion 53-61	34
525	Neurological rehabilitation: a science struggling to come of age. 2002 , 7, 76-89	29
524	New treatments in neurorehabilitation founded on basic research. 2002 , 3, 228-36	500
523	Geforceerd gebruik van de hemiplegische arm bij chronische cva-patiënten. 2002 , 6, 2-7	2
522	[New developments in stroke rehabilitation based on behavioral and neuroscientific principles: constraint-induced therapy]. 2003 , 74, 334-42	20
521	Functional magnetic resonance imaging: a review of methodological aspects and clinical applications. 2003 , 18, 1-15	75
520	Lower risk of Parkinson's disease in an admixed population of European and Indian origins. 2003 , 18, 912-4	19

519	Unique form of propriospinal myoclonus as a possible complication of an enteropathogenic toxin. 2003 , 18, 942-8	17
518	Multiple sclerosis tremor and the Stewart-Holmes manoeuvre. 2003 , 18, 948-52	6
517	Staged lesions through implanted deep brain stimulating electrodes: a new surgical procedure for treating tremor or dyskinesias. 2003 , 18, 933-8	19
516	Transplantation in Parkinson's disease: PET changes correlate with the amount of grafted tissue. 2003 , 18, 928-32	45
515	Olfactory bulb in multiple system atrophy. 2003 , 18, 938-42	29
514	Mutation analysis of the parkin gene in Russian families with autosomal recessive juvenile parkinsonism. 2003 , 18, 914-9	23
513	Continuous growth of mean tumor diameter in a subset of grade II gliomas. 2003 , 53, 524-8	369
512	Age-dependent changes in the ability to encode a novel elementary motor memory. 2003 , 53, 521-4	119
511	Functional and structural plasticity in motor cortex: implications for stroke recovery. 2003 , 14, S57-76	131
510	Should the injured and intact hemispheres be treated differently during the early phases of physical restorative therapy in experimental stroke or parkinsonism?. 2003 , 14, S27-46	33
509	Improved motor recovery after stroke and massive cortical reorganization following Constraint-Induced Movement therapy. 2003 , 14, S77-91, ix	69
508	The effect of voluntary exercise exposure on histological and neurobehavioral outcomes after ischemic brain injury in the rat. 2003 , 80, 167-75	65
507	Functional neuroimaging studies of motor recovery after stroke in adults: a review. 2003 , 34, 1553-66	629
506	Altered corticomotor representation in patients with Parkinson's disease. 2003 , 18, 919-27	12
505	Correlation between cerebral reorganization and motor recovery after subcortical infarcts. 2003 , 20, 2166-80	201
504	Effects of robotic therapy on motor impairment and recovery in chronic stroke. 2003 , 84, 477-82	364
503	Rehabilitation of somatic sensation and related deficit of motor control in patients with pure sensory stroke. 2003 , 84, 1692-702	104
502	Cortical reorganization in training. 2003 , 13, 57-62	21

501	Constraint-induced therapy in stroke: magnetic-stimulation motor maps and cerebral activation. 2003 , 17, 48-57	229
500	A squirrel monkey model of poststroke motor recovery. 2003 , 44, 161-74	47
499	Chapter 37 TMS in stroke. 2003 , 56, 368-380	9
498	Chapter 8 Transcranial magnetic stimulation. 2003 , 1, 95-125	3
497	Post-infarct cortical plasticity and behavioral recovery using concurrent cortical stimulation and rehabilitative training: a feasibility study in primates. 2003 , 25, 801-10	237
496	Neue Therapien in der Neurorehabilitation. 2003 , 30, 209-214	5
495	Cortical reorganization induced by task-oriented training in chronic hemiplegic stroke patients. 2003 , 14, 137-41	94
494	Cortical reorganization associated with motor recovery in hemiparetic stroke patients. 2003 , 14, 1305-1310	22
493	Constraint-induced movement therapy for upper extremities in stroke patients. 2003 ,	10
492	Cortical reorganization associated with motor recovery in hemiparetic stroke patients. 2003 , 14, 1305-10	43
491	Stroke: promising neurorehabilitation interventions and steps toward testing them. 2003 , 82, S50-7	7
490	Constraint-induced movement therapy: bridging from the primate laboratory to the stroke rehabilitation laboratory. 2003 , 34-40	74
489	Pediatric Constraint-Induced Movement Therapy for a Young Child With Cerebral Palsy: Two Episodes of Care. 2003 , 83, 1003-1013	82
488	Chapter 37 Hemiparesis. 2003 , 601-614	
487	Application of Constraint-Induced Movement Therapy for an Individual With Severe Chronic Upper-Extremity Hemiplegia. 2003 , 83, 384-398	60
486	Transcranial magnetic stimulation to assess cortical plasticity: a critical perspective for stroke rehabilitation. 2003 , 20-6	18
485	Lesions of cortex and post-stroke plastic reorganization. 2003 , 166-203	5
484	3.1 Motorische Rehabilitation. 2004 ,	1

483	Training-based interventions in motor rehabilitation after stroke: theoretical and clinical considerations. 2004 , 15, 55-63	11
482	Clinimetric properties of the motor activity log for the assessment of arm use in hemiparetic patients. 2004 , 35, 1410-4	307
481	Clinical neurophysiological assessment of residual motor control in post-spinal cord injury paralysis. 2004 , 18, 144-53	82
480	Changes in serial optical topography and TMS during task performance after constraint-induced movement therapy in stroke: a case study. 2004 , 18, 95-105	37
479	Reorganization of human cerebral cortex: the range of changes following use and injury. 2004 , 10, 129-41	138
478	Functional gait changes in patients with chronic lower extremity hemiplegia treated with a technology to induce movement (TIM)-type system. 2004 , 11, 43-54	5
477	Long-term functional outcome of pediatric stroke survivors. 2004 , 11, 51-9	40
476	Hand coordination following capsular stroke. 2005 , 128, 64-74	132
475	Plasticity in the human cerebral cortex: lessons from the normal brain and from stroke. 2004 , 10, 163-73	78
474	Rapid functional plasticity in the primary somatomotor cortex and perceptual changes after nerve block. 2004 , 20, 3413-23	75
473	Intensive language training enhances brain plasticity in chronic aphasia. 2004 , 2, 20	111
472	Amphetamine enhances training-induced motor cortex plasticity. 2004 , 109, 330-6	29
471	Neuroplasticity. 2004 , 57-72	1
470	Motor outcome after subcortical stroke correlates with the degree of cortical reorganization. 2004 , 115, 2144-2144	
469	Integrated technology for evaluation of brain function and neural plasticity. 2004 , 15, 263-306	102
468	Manipulation of central nervous system plasticity: a new dimension in the care of neurologically impaired patients. 2004 , 79, 796-800	2
467	Harnessing brain plasticity through behavioral techniques to produce new treatments in neurorehabilitation. 2004 , 59, 692-704	82
466	Precision grasps of children and young and old adults: individual differences in digit contact strategy, purchase pattern, and digit posture. 2004 , 154, 113-23	30

465	Motor rehabilitation and brain plasticity after hemiparetic stroke. 2004 , 73, 61-72	273
464	Reorganization of the human ipsilesional premotor cortex after stroke. 2004 , 127, 747-58	324
463	Functional recovery after lesions of the primary motor cortex. 2004 , 143, 467-75	10
462	Does training improve writer's cramp? An evaluation of a behavioral treatment approach using kinematic analysis. 2004 , 17, 349-63	44
461	Motor outcome after subcortical stroke correlates with the degree of cortical reorganization. 2004 , 115, 2144-50	65
460	Repetitive TMS of the motor cortex improves ipsilateral sequential simple finger movements. 2004 , 62, 91-8	236
459	Rhythmic bilateral movement training modulates corticomotor excitability and enhances upper limb motricity poststroke: a pilot study. 2004 , 21, 124-31	122
458	Manipulation of Central Nervous System Plasticity: A New Dimension in the Care of Neurologically Impaired Patients. 2004 , 79, 796-800	8
457	Cortical activation changes associated with motor recovery in patients with precentral knob infarct. 2004 , 15, 395-9	43
456	Physical Therapy Practice of Early Stroke Rehabilitation. 2004 , 19, 7-11	
455	Enhancing encoding of a motor memory in the primary motor cortex by cortical stimulation. 2004 , 91, 2110-6	169
454	A Home Program of Sensory and Neuromuscular Electrical Stimulation With Upper-Limb Task Practice in a Patient 5 Years After a Stroke. 2004 , 84, 1045-1054	38
453	Paretic hand rehabilitation with constraint-induced movement therapy after stroke. 2005 , 84, 501-5	18
452	The Effect of Constraint-Induced Movement Treatment on Occupational Performance and Satisfaction in Stroke Survivors. 2005 , 25, 119-127	
451	New perspectives on improving upper extremity function after spinal cord injury. 2005 , 29, 157-62	26
450	Cerebral reorganization after sensorimotor stroke. 2005 , 88-123	1
449	Some personal lessons from imaging brain in recovery from stroke. 2005 , 124-134	
448	Enriched environment enhances recovery of motor function after focal ischemia in mice, and downregulates the transcription factor NGFI-A. 2005 , 25, 1625-33	60

447	Use-dependent plasticity of the human motor cortex in health and disease. 2005 , 24, 36-9	22
446	Perceptual limits for a robotic rehabilitation environment using visual feedback distortion. 2005 , 13, 1-11	67
445	Constraint-induced movement therapy in Parkinson's disease. 2005 , 20, 910-1	4
444	Neurophysiological examination of the corticospinal system and voluntary motor control in motor-incomplete human spinal cord injury. 2005 , 163, 379-87	24
443	Functional neuroimaging studies of cognitive recovery after acquired brain damage in adults. 2005 , 15, 169-83	22
442	Finger extensor variability in TMS parameters among chronic stroke patients. 2005 , 2, 10	42
441	A critical review of constraint-induced movement therapy and forced use in children with hemiplegia. 2005 , 12, 245-61; discussion 263-72	109
440	Effect and appropriate restriction period of constraint-induced movement therapy in hemiparetic patients with brain injury: A brief report. 2005 , 20, 71-74	7
439	Speech treatment for Parkinson's disease. 2005 , 20, 205-221	66
438	Feasibility of Electromyography-Triggered Neuromuscular Stimulation as an Adjunct to Constraint-Induced Movement Therapy. 2005 , 85, 428-442	8
437	Transcranial Magnetic Stimulation in Stroke. 2005 , 239-252	1
436	Case report: a modified constraint-induced therapy (mCIT) program for the upper extremity of a person with chronic stroke. 2005 , 21, 243-56	11
435	Virtual reality-induced cortical reorganization and associated locomotor recovery in chronic stroke: an experimenter-blind randomized study. 2005 , 36, 1166-71	279
434	Massed practice versus massed practice with stimulation: effects on upper extremity function and cortical plasticity in individuals with incomplete cervical spinal cord injury. 2005 , 19, 33-45	110
433	Constraint-induced therapy for moderate chronic upper extremity impairment after stroke. 2005 , 19, 323-30	28
432	Schmerzforschung1. 2005 , 6, 6-10	
431	Effects of non-invasive cortical stimulation on skilled motor function in chronic stroke. 2005 , 128, 490-9	829
430	Evidence based medicine in neurological rehabilitation--a critical review. 2005 , 93, 3-14	17

429	Development of a schedule of current physiotherapy treatment used to improve movement control and functional use of the lower limb after stroke: a precursor to a clinical trial. 2005 , 19, 350-9	22
428	Optimising plasticity: environmental and training associated factors in transplant-mediated brain repair. 2005 , 16, 1-21	32
427	Pharmacological Characterisation and Modulation of Neuroplasticity in Humans. 2005 , 3, 217-229	10
426	Functional neuroimaging in motor recovery after stroke. 2005 , 12, 15-21	11
425	The role of task-specific training in rehabilitation therapies. 2005 , 12, 58-65	251
424	The potential for utilizing the "mirror neurone system" to enhance recovery of the severely affected upper limb early after stroke: a review and hypothesis. 2005 , 19, 4-13	80
423	Increases in corticospinal tract function by treadmill training after incomplete spinal cord injury. 2005 , 94, 2844-55	198
422	Commentary on Holden, M.K., Virtual Environments for Motor Rehabilitation: Review. 2005 , 8, 212-219	3
421	Control system for pneumatically controlled glove to assist in grasp activities.	26
420	Use dependent plasticity in the corticospinal pathways controlling human arm movement.	
419	Individual factors in constraint-induced movement therapy after stroke. 2005 , 19, 238-49	35
418	Task-oriented aerobic exercise in chronic hemiparetic stroke: training protocols and treatment effects. 2005 , 12, 45-57	92
417	Contemporary linkages between EMG, kinetics and stroke rehabilitation. 2005 , 15, 229-39	18
416	Neural plasticity and bilateral movements: A rehabilitation approach for chronic stroke. 2005 , 75, 309-20	248
415	Distributed form of constraint-induced movement therapy improves functional outcome and quality of life after stroke. 2005 , 86, 204-9	127
414	Intra- and intersubject reliability of abductor pollicis brevis muscle motor map characteristics with transcranial magnetic stimulation. 2005 , 86, 1670-5	39
413	Constraint-induced movement therapy after stroke: efficacy for patients with minimal upper-extremity motor ability. 2005 , 86, 1867-73	69
412	Stroke recovery and its imaging. 2005 , 15, 681-95, xii	13

411	The role of timing and intensity of rehabilitation therapies. 2005 , 12, 46-57	89
410	Ottawa panel evidence-based clinical practice guidelines for post-stroke rehabilitation. 2006 , 13, 1-269	66
409	Stroke rehabilitation. 2006 , 28, 813-4	1
408	Highly functional ipsilateral motor control after extensive left hemispheric damage during gestation. 2006 , 12, 292-5	
407	The effectiveness of constraint-induced therapy as a stroke intervention: a meta-analysis. 2006 , 20, 31-49	12
406	Modificaciones en las proyecciones c6ftico-motoneuronales que van a la mano en pacientes que reciben rehabilitaci6n intensiva. 2006 , 40, 79-85	
405	Two different reorganization patterns after rehabilitative therapy: an exploratory study with fMRI and TMS. 2006 , 31, 710-20	128
404	The surround inhibition determines therapy-induced cortical reorganization. 2006 , 32, 1216-20	31
403	Arm function after stroke: neurophysiological correlates and recovery mechanisms assessed by transcranial magnetic stimulation. 2006 , 117, 1641-59	207
402	Reliability of motor cortex transcranial magnetic stimulation in four muscle representations. 2006 , 117, 1037-46	144
401	Application of combined botulinum toxin type A and modified constraint-induced movement therapy for an individual with chronic upper-extremity spasticity after stroke. 2006 , 86, 1387-97	26
400	Sprouting, regeneration and circuit formation in the injured spinal cord: factors and activity. 2006 , 361, 1611-34	146
399	Effects of treadmill exercise on transcranial magnetic stimulation-induced excitability to quadriceps after stroke. 2006 , 87, 229-34	41
398	Hand function and motor cortical output poststroke: are they related?. 2006 , 87, 627-34	39
397	Noninvasive cortical stimulation in neurorehabilitation: a review. 2006 , 87, S84-93	49
396	Changes in effective connectivity of the primary motor cortex in stroke patients after rehabilitative therapy. 2006 , 201, 375-87	41
395	The anterior cruciate ligament deficiency as a model of brain plasticity. 2006 , 67, 645-50	65
394	Was k6nnen wir aus bildgebenden Verfahren f6r die motorische Rehabilitation lernen?. 2006 , 25, 123-128	1

393 Arm and hand weakness. 265-282

392 CI therapy distribution: Theory, evidence and practice. **2006**, 21, 97-105 15

391 Plasticity after brain lesions. 228-247 1

390 Constraint-based therapies as a proposed model for cognitive rehabilitation. **2006**, 21, 119-30 18

389 Effects of neuromuscular electrical stimulation treatment of cerebral palsy on potential impairment mechanisms: a pilot study. **2006**, 18, 31-8 17

388 Motor cortex excitability in stroke before and after constraint-induced movement therapy. **2006**, 19, 41-7 78

387 Application of the CIT concept in the clinical environment: hurdles, practicalities, and clinical benefits. **2006**, 19, 48-54 30

386 The Lee Silverman Voice Treatment[®] for voice, speech and other orofacial disorders in patients with Parkinson[®] disease. **2006**, 1, 563-570 18

385 Imaging motor recovery after stroke. **2006**, 3, 482-8 17

384 Plasticity of cortical structures under the conditions of neurological deficit accompanied by a disorder of hand movement: Modern approaches to rehabilitation. **2006**, 32, 735-741

383 Variability of motor potentials evoked by transcranial magnetic stimulation depends on muscle activation. **2006**, 174, 376-85 147

382 Mechanisms for recovery of motor function following cortical damage. **2006**, 16, 638-44 236

381 Post-lesional cerebral reorganisation: evidence from functional neuroimaging and transcranial magnetic stimulation. **2006**, 99, 437-54 69

380 Role of functional imaging in neurological disorders. **2006**, 23, 840-50 31

379 International Stroke Rehabilitation Congress in Leuven (Belgien). **2006**, 2, 83-85

378 The science and practice of LSVT/LOUD: neural plasticity-principled approach to treating individuals with Parkinson disease and other neurological disorders. **2006**, 27, 283-99 159

377 A pilot study of use-dependent learning in the context of Constraint Induced Language Therapy. **2006**, 12, 843-52 118

376 Vicarious function of remote cortex following stroke: recent evidence from human and animal studies. **2006**, 12, 489-99 64

375	Improvement and impact of initial motor skill after intensive rehabilitation [CI]-therapy in patients with chronic hemiplegia. A follow-up study. 2006 , 8, 146-153	5
374	Pediatric CI therapy for stroke-induced hemiparesis in young children. 2007 , 10, 3-18	93
373	Cortical reorganization following bimanual training and somatosensory stimulation in cervical spinal cord injury: a case report. 2007 , 87, 208-23	71
372	Effects of a rostral motor cortex lesion on primary motor cortex hand representation topography in primates. 2007 , 21, 51-61	15
371	Cortical neuromodulation by constraint-induced movement therapy in congenital hemiparesis: an fMRI study. 2007 , 38, 130-6	63
370	Induction and Modulation of Neuroplasticity by Transcranial Direct Current Stimulation. 2007 , 23, 172-186	8
369	Hand rehabilitation following stroke: a pilot study of assisted finger extension training in a virtual environment. 2007 , 14, 1-12	113
368	Methode und Mechanismen der transkraniellen Gleichstromstimulation. 2007 , 38, 136-140	
367	Transcranial Direct Current Stimulation - An Adjuvant Tool for the Treatment of Neuropsychiatric Diseases?. 2007 , 3, 222-232	18
366	Revisiting constraint-induced movement therapy: are we too smitten with the mitten? Is all nonuse "learned"? and other quandaries. 2007 , 87, 1212-23	78
365	The Role of Skill versus Use in the Recovery of Motor Function after Stroke. 2007 , 27, 245-325	
364	Prognostic value of fMRI in recovery of hand function in subcortical stroke patients. 2007 , 17, 2980-7	86
363	Motor cortical measures of use-dependent plasticity are graded from distal to proximal in the human upper limb. 2007 , 98, 3230-41	20
362	Functional plasticity in cognitive aging: review and hypothesis. 2007 , 21, 657-73	229
361	An intense intervention for improving gait, balance, and mobility for individuals with chronic stroke: a pilot study. 2007 , 31, 71-6	37
360	Neurological Reorganization After Brain Injury: Stimulation by Robotic Therapy. 2007 , 30, 229-233	3
359	Putting the brain on the map: use of transcranial magnetic stimulation to assess and induce cortical plasticity of upper-extremity movement. 2007 , 87, 719-36	70
358	Speech disorders in Parkinson's disease and the effects of pharmacological, surgical and speech treatment with emphasis on Lee Silverman voice treatment (LSVT(R)). 2007 , 83, 385-99	13

357	Poststroke upper extremity rehabilitation: a review of robotic systems and clinical results. 2007 , 14, 22-44	196
356	An Actuated Finger Exoskeleton for Hand Rehabilitation Following Stroke. 2007 ,	73
355	Evaluation of virtual shopping in the VMall: comparison of post-stroke participants to healthy control groups. 2007 , 29, 1710-9	58
354	Extending the Constraint-Induced Movement Therapy (CIMT) approach to cognitive functions: Constraint-Induced Aphasia Therapy (CIAT) of chronic aphasia. 2007 , 22, 311-318	47
353	Construction of efficacious gait and upper limb functional interventions based on brain plasticity evidence and model-based measures for stroke patients. 2007 , 7, 2031-45	105
352	Motor representation areas in epileptic patients with focal motor seizures: a TMS study. 2007 , 75, 197-205	21
351	Task-specific changes in motor evoked potentials of lower limb muscles after different training interventions. 2007 , 1179, 51-60	120
350	Neurorehabilitation: no more constraint for large randomised trials. 2007 , 6, 99-101	2
349	Using musical instruments to improve motor skill recovery following a stroke. 2007 , 254, 1339-46	169
348	Treatment of childhood arterial ischemic stroke. 2008 , 63, 679-96	49
347	Repairing the human brain after stroke. II. Restorative therapies. 2008 , 63, 549-60	206
346	Functional imaging of stroke recovery: an ecological review from a neural network perspective with an emphasis on motor systems. 2008 , 18, 227-36	23
345	Contralesional repetitive transcranial magnetic stimulation for chronic hemiparesis in subcortical paediatric stroke: a randomised trial. 2008 , 7, 507-13	167
344	Intracortical inhibition and facilitation with unilateral dominant, unilateral nondominant and bilateral movement tasks in left- and right-handed adults. 2008 , 269, 96-104	30
343	Short-term limb immobilization affects motor performance. 2008 , 40, 165-76	68
342	Sensory stimulation augments the effects of massed practice training in persons with tetraplegia. 2008 , 89, 602-8	84
341	Effect of a gravity-compensating orthosis on reaching after stroke: evaluation of the Therapy Assistant WREX. 2008 , 89, 2121-8	41
340	[The effectiveness of constraint-induced movement therapy for children with hemiplegia following acquired brain injury]. 2008 , 51, 238-47	5

339	Neural correlates of proprioceptive integration in the contralesional hemisphere of very impaired patients shortly after a subcortical stroke: an FMRI study. 2008 , 22, 154-65	63
338	Constraint-induced movement therapy results in increased motor map area in subjects 3 to 9 months after stroke. 2008 , 22, 505-13	161
337	Imaging functional recovery from stroke. 2009 , 94, 1097-117	3
336	Alterations in cortical excitability in chronic stroke after constraint-induced movement therapy. 2008 , 30, 504-10	29
335	Brain-mapping techniques for evaluating poststroke recovery and rehabilitation: a review. 2008 , 15, 427-50	61
334	Speech treatment for Parkinson's disease. 2008 , 8, 297-309	120
333	Gait training induced change in corticomotor excitability in patients with chronic stroke. 2008 , 22, 22-30	91
332	Motor cortical disinhibition during early and late recovery after stroke. 2008 , 22, 396-403	91
331	Pharmacological modulation of cortical plasticity following kainic acid lesion in rat barrel cortex. 2008 , 109, 108-16	2
330	Effects of motor training on the recovery of manual dexterity after primary motor cortex lesion in macaque monkeys. 2008 , 99, 773-86	79
329	The use of constraint-induced movement therapy (CI therapy) to promote motor recovery following stroke. 401-416	2
328	EBM Guidelines ffAllgemeinmedizin. 2008 , 87, 77	
327	Repetitive transcranial magnetic stimulation of the unaffected hemisphere in a patient who was forced to use the affected hand. 2008 , 87, 74-7	10
326	Constraint-induced movement therapy in stroke rehabilitation: Perspectives on future clinical applications. 2008 , 23, 15-28	21
325	Effects of prosthetic gait training for stroke patients to induce use of the paretic leg: a report of three cases. 2008 , 57, 162-7	5
324	Early and late changes in the distal forelimb representation of the supplementary motor area after injury to frontal motor areas in the squirrel monkey. 2008 , 100, 1498-512	60
323	A review of Constraint-Induced Therapy applied to aphasia rehabilitation in stroke patients. 2009 , 3, 275-282	9
322	Long-term Effects of a Group Community-based Constraint-induced Movement Therapy on Motor Recovery and Activities of Daily Living in Community-dwelling Older Adults with Chronic Stroke: A Preliminary Study with 6-month Follow-Up. 2009 , 7, 1-11	

321	A longitudinal study of functional magnetic resonance imaging in upper-limb hemiplegia after stroke treated with constraint-induced movement therapy. 2009 , 23, 65-70	16
320	Anterior cruciate ligament deficiency causes brain plasticity: a functional MRI study. 2009 , 37, 2419-26	120
319	The basal forebrain cholinergic system is required specifically for behaviorally mediated cortical map plasticity. 2009 , 29, 5992-6000	66
318	Haptic virtual rehabilitation in stroke: transferring research into clinical practice. 2009 , 14, 322-335	16
317	Methods to improve constraint-induced movement therapy. 2009 , 25, 59-68	9
316	Comparing unilateral and bilateral upper limb training: the ULTRA-stroke program design. 2009 , 9, 57	23
315	Effects of Meridian acupuncture for stroke patients in Korea. 2009 , 18, 2145-52	25
314	Constraint-Induced Movement Therapy: A Paradigm for Translating Advances in Behavioral Neuroscience into Rehabilitation Treatments. 2009 ,	6
313	Motor cortex plasticity in ischemic perinatal stroke: a transcranial magnetic stimulation and functional MRI study. 2009 , 41, 171-8	47
312	Remapping the somatosensory cortex after stroke: insight from imaging the synapse to network. 2009 , 15, 507-24	44
311	Efficacy of EMG-triggered electrical arm stimulation in chronic hemiparetic stroke patients. 2009 , 27, 189-97	34
310	Sensorimotor training and cortical reorganization. 2009 , 25, 19-27	60
309	Constraint-induced movement therapy for upper extremities in stroke patients. 2009 , CD004433	85
308	The neural basis of constraint-induced movement therapy. 2009 , 22, 582-8	45
307	Intracortical excitability after repetitive hand movements is differentially affected in cortical versus subcortical strokes. 2009 , 26, 348-57	12
306	Constraint-induced therapy versus control intervention in patients with stroke: a functional magnetic resonance imaging study. 2010 , 89, 177-85	47
305	Mirror therapy for improving motor function after stroke. 2010 ,	6
304	Gross motor outcomes in children with hemiparesis involved in a modified constraint-induced therapy program. 2010 , 3, 171-5	7

303	[Neuroimaging in medicine]. 2010 , 53, 801-9	
302	Experience, cortical remapping, and recovery in brain disease. 2010 , 37, 252-8	41
301	Role of neuroimaging in promoting long-term recovery from ischemic stroke. 2010 , 32, 756-72	21
300	Driving plasticity in the motor cortex in recurrent low back pain. 2010 , 14, 832-9	140
299	Probing the corticospinal link between the motor cortex and motoneurons: some neglected aspects of human motor cortical function. 2010 , 198, 403-16	37
298	You can teach an old dog new tricks:. 104-129	2
297	Efeito das terapias associadas de imagem motora e de movimento induzido por restri�o na hemiparesia cr�nica: estudo de caso. 2010 , 17, 264-269	5
296	Terapia por contens�o induzida: revis�o de ensaios cl�nicos. 2010 , 23, 153-159	4
295	Le patient h�mipl�gique. 2010 , 1-100	
294	Mode of hand training determines cortical reorganisation: a randomized controlled study in healthy adults. 2010 , 42, 789-94	11
293	Effects of recombinant growth hormone replacement and physical rehabilitation in recovery of gross motor function in children with cerebral palsy. 2010 , 6, 585-92	11
292	Recovery of upper-limb function due to enhanced use-dependent plasticity in chronic stroke patients. 2010 , 133, 3373-84	58
291	Interhemispheric modulation induced by cortical stimulation and motor training. 2010 , 90, 398-410	110
290	Disinhibition in the unaffected hemisphere is related with the cortical involvement of the affected hemisphere. 2010 , 120, 512-5	4
289	Functional and corticomotor changes in individuals with tetraplegia following unimanual or bimanual massed practice training with somatosensory stimulation: a pilot study. 2010 , 34, 193-201	45
288	Contribution of transcranial magnetic stimulation to the understanding of functional recovery mechanisms after stroke. 2010 , 24, 125-35	82
287	Control and kinematic performance analysis of an Actuated Finger Exoskeleton for hand rehabilitation following stroke. 2010 ,	16
286	Synapses of horizontal connections in adult rat somatosensory cortex have different properties depending on the source of their axons. 2010 , 20, 591-601	6

285	Comparison of amounts and types of practice during rehabilitation for traumatic brain injury and stroke. 2010 , 47, 851-62	81
284	Exploring the potential for neural recovery after incomplete tetraplegia through nonsurgical interventions. 2010 , 2, S279-85	10
283	Cortical reorganization induced by body weight-supported treadmill training in patients with hemiparesis of different stroke durations. 2010 , 91, 513-8	27
282	Upper limb function and brain reorganization after constraint-induced movement therapy in children with hemiplegia. 2010 , 13, 19-30	31
281	Gait characteristics of children with hemiplegic cerebral palsy before and after modified constraint-induced movement therapy. 2010 , 32, 402-8	29
280	Modulation of motor learning and memory formation by non-invasive cortical stimulation of the primary motor cortex. 2011 , 21, 650-75	42
279	Transcranial magnetic stimulation in cognitive rehabilitation. 2011 , 21, 579-601	62
278	Changes in maps of language function and the integrity of the arcuate fasciculus after therapy for chronic aphasia. 2011 , 17, 506-17	31
277	A pilot study of robotic-assisted exercise for hand weakness after stroke. 2011 , 2011, 5975426	12
276	Multijoint arm stiffness during movements following stroke: implications for robot therapy. 2011 , 2011, 5975372	11
275	The effectiveness of reinforced feedback in virtual environment in the first 12 months after stroke. 2011 , 45, 436-44	35
274	Manual activity shapes structure and function in contralateral human motor hand area. 2011 , 54, 32-41	87
273	Practical constraints on estimation of source extent with MEG beamformers. 2011 , 54, 2732-40	51
272	Exploring the synergies of a hybrid BCI - VR neurorehabilitation system. 2011 ,	6
271	Application of Constraint-induced Movement Therapy for People with Severe Chronic Plegic Hand. 2011 , 9, 7-14	4
270	Telepractice Supported Delivery of LSVT [®] LOUD. 2011 , 21, 107-119	4
269	Speech and Voice Disorders in Parkinson's Disease. 2011 , 346-360	6
268	Modified constraint-induced movement therapy for elderly clients with subacute stroke. 2011 , 65, 409-18	14

267	Robot-assisted exercise for hand weakness after stroke: a pilot study. 2011 , 90, 887-94	30
266	Robotic-assisted rehabilitation of proximal humerus fractures in virtual environments: a pilot study. 2011 , 44, 387-92	17
265	Shaping plasticity to enhance recovery after injury. 2011 , 192, 273-95	131
264	Music-supported therapy induces plasticity in the sensorimotor cortex in chronic stroke: a single-case study using multimodal imaging (fMRI-TMS). 2011 , 25, 787-93	65
263	Towards a BCI for sensorimotor training: initial results from simultaneous fNIRS and biosignal recordings. 2011 , 2011, 6339-43	8
262	Hebbian-type stimulation during robot-assisted training in patients with stroke. 2011 , 25, 645-55	38
261	Long-term effects on cortical excitability and motor recovery induced by repeated muscle vibration in chronic stroke patients. 2011 , 25, 48-60	104
260	Improvement of Spastic Stroke Hemiparesis Using rTMS Combined with Motor Training. 2011 , 59-68	
259	Use-dependent hemispheric balance. 2011 , 31, 3423-8	81
258	Effects of growth hormone (GH) replacement and cognitive rehabilitation in patients with cognitive disorders after traumatic brain injury. 2011 , 25, 65-73	75
257	Anatomy of stroke injury predicts gains from therapy. 2011 , 42, 421-6	186
256	Cortical plasticity during motor learning and recovery after ischemic stroke. 2011 , 2011, 871296	88
255	Effect of therapist-based versus robot-assisted bilateral arm training on motor control, functional performance, and quality of life after chronic stroke: a clinical trial. 2012 , 92, 1006-16	42
254	Back seat driving: hindlimb corticospinal neurons assume forelimb control following ischaemic stroke. 2012 , 135, 3265-81	62
253	Thinking About Better Speech: Mental Practice for Stroke-Induced Motor Speech Impairments. 2012 , 26, 127-142	14
252	Constraint-Induced Movement Therapy (CIMT): Current Perspectives and Future Directions. 2012 , 2012, 159391	23
251	How physically active are people with stroke in physiotherapy sessions aimed at improving motor function? A systematic review. 2012 , 2012, 820673	48
250	The EXCITE Trial: analysis of "noncompleted" Wolf Motor Function Test items. 2012 , 26, 178-87	7

249	Functional MRI using robotic MRI compatible devices for monitoring rehabilitation from chronic stroke in the molecular medicine era (Review). 2012 , 29, 963-73	8
248	Motor cortex evaluation by nTMS after surgery of central region tumors: a feasibility study. 2012 , 154, 1351-9	27
247	Design and Development of a Hand Exoskeleton for Rehabilitation Following Stroke. 2012 , 41, 1028-1034	24
246	Constraint-induced movement therapy: from history to plasticity. 2012 , 12, 191-8	13
245	Plasticity of cortical maps: multiple triggers for adaptive reorganization following brain damage and spinal cord injury. 2012 , 18, 133-48	41
244	Recovery from ischemia in the middle-aged brain: a nonhuman primate model. 2012 , 33, 619.e9-619.e24	26
243	Rehabilitation for children after acquired brain injury: current and emerging approaches. 2012 , 46, 339-44	32
242	Sensory feedback prosthesis reduces phantom limb pain: proof of a principle. <i>Neuroscience Letters</i> , 2012 , 507, 97-100	3-3 93
241	Does anodal transcranial direct current stimulation enhance excitability of the motor cortex and motor function in healthy individuals and subjects with stroke: a systematic review and meta-analysis. 2012 , 123, 644-57	162
240	Exploration and modulation of brain network interactions with noninvasive brain stimulation in combination with neuroimaging. 2012 , 35, 805-25	110
239	Specialized core stability exercise: a neglected component of anterior cruciate ligament rehabilitation programs. 2012 , 25, 291-7	8
238	Mirror therapy for improving motor function after stroke. 2012 , CD008449	82
237	The Role of Imagery in Performance. 2012 ,	39
236	Modified constraint-induced movement therapy and modified forced-use therapy for stroke patients are both effective to promote balance and gait improvements. 2012 , 16, 157-65	17
235	Global epidemiology of traumatic spinal cord injury. 216-228	6
234	Diaschisis, Degeneration, and Adaptive Plasticity After Focal Ischemic Stroke. 2012 ,	5
233	Plasticity and recovery of the injured brain. 180-191	
232	Spinal cord injury clinical trials. 322-333	

231	Current evaluation of TBI epidemiology in an ageing society with improved preventive measures. 1-16	1
230	Parallels between use of constraint-induced movement therapy to treat neurological motor disorders and amblyopia training. 2012 , 54, 274-92	7
229	Perspective on neuromuscular factors in poststroke fatigue. 2012 , 34, 2291-9	14
228	Motor map reliability and aging: a TMS/fMRI study. 2012 , 219, 97-106	32
227	The involvement of audio-motor coupling in the music-supported therapy applied to stroke patients. 2012 , 1252, 282-93	84
226	Functional reorganization associated with outcome in hand function after stroke revealed by regional homogeneity. 2013 , 55, 761-70	27
225	Brain repair after stroke--a novel neurological model. 2013 , 9, 698-707	55
224	Using a hybrid brain computer interface and virtual reality system to monitor and promote cortical reorganization through motor activity and motor imagery training. 2013 , 21, 174-81	62
223	Cortical thickness changes in the non-lesioned hemisphere associated with non-paretic arm immobilization in modified CI therapy. 2013 , 2, 797-803	12
222	Neural reorganization accompanying upper limb motor rehabilitation from stroke with virtual reality-based gesture therapy. 2013 , 20, 197-209	38
221	Physiotherapists systematically overestimate the amount of time stroke survivors spend engaged in active therapy rehabilitation: an observational study. 2013 , 59, 45-51	27
220	Applying principles of motor learning and control to upper extremity rehabilitation. 2013 , 26, 94-102; quiz 103	119
219	Motor Response Deficits of Unilateral Neglect: Assessment, Therapy, and Neuroanatomy. 2013 , 20, 292-305	10
218	Modeling developmental plasticity after perinatal stroke: defining central therapeutic targets in cerebral palsy. 2013 , 48, 81-94	69
217	Displacement of sensory maps and disorganization of motor cortex after targeted stroke in mice. 2013 , 44, 2300-6	71
216	Distal forelimb representations in primary motor cortex are redistributed after forelimb restriction: a longitudinal study in adult squirrel monkeys. 2013 , 109, 1268-82	31
215	Plasticity of cerebral functions. 2013 , 110, 13-21	15
214	Combination treatment with progesterone and rehabilitation training further promotes behavioral recovery after acute ischemic stroke in mice. 2013 , 31, 487-99	9

213	Evaluation of the motor cortical excitability changes after ischemic stroke. 2013 , 16, 394-7	12
212	Effects of prolonged robot-assisted training on upper limb motor recovery in subacute stroke. 2013 , 33, 41-8	9
211	Gaze-contingent audio-visual substitution for the blind and visually impaired. 2013 ,	4
210	Constraint-induced movement therapy: a method for harnessing neuroplasticity to treat motor disorders. 2013 , 207, 379-401	27
209	Constraint-Induced Therapy as Behavior Analysis Neurorehabilitation Intervention: An Interview With Dr. Edward Taub. 2013 , 14, 361-384	1
208	Recovery from anomia following Semantic Feature Analysis. 2013 , 8, 195-215	5
207	7.8 Komorbiditäten. 2013 ,	
206	Design and Development of a Bilateral Therapeutic Hand Device for Stroke Rehabilitation. 2013 , 10, 405	13
205	Responses to loud auditory stimuli indicate that movement-related activation builds up in anticipation of action. 2013 , 109, 996-1008	23
204	Diffusion tensor and volumetric magnetic resonance imaging using an MR-compatible hand-induced robotic device suggests training-induced neuroplasticity in patients with chronic stroke. 2013 , 32, 995-1000	19
203	Propiedades psicométricas de una versión en castellano de la escala Motor Activity Log-30 en pacientes con extremidad superior parética por accidente cerebro vascular. 2013 , 51, 201-210	2
202	Effects of practice combined with somatosensory or motor stimulation on hand function in persons with spinal cord injury. 2013 , 19, 288-99	23
201	Plasticity in the sensorimotor cortex induced by Music-supported therapy in stroke patients: a TMS study. 2013 , 7, 494	43
200	Recovery after brain injury: mechanisms and principles. 2013 , 7, 887	273
199	Noninvasive strategies to promote functional recovery after stroke. 2013 , 2013, 854597	45
198	A Positive Psychology of Physical Disability. 2013 ,	7
197	Corticomuscular coherence analysis on hand movement distinction for active rehabilitation. 2013 , 2013, 908591	14
196	Clinical trials in neurorehabilitation. 1-6	

195	Understanding the mechanisms underlying recovery after stroke. 7-24	3
194	The functional significance of cortical reorganization and the parallel development of CI therapy. 2014 , 8, 396	33
193	Damage to the medial motor system in stroke patients with motor neglect. 2014 , 8, 408	14
192	Foreword for neuroplasticity and neurorehabilitation. 2014 , 8, 544	3
191	Implications of CI therapy for visual deficit training. 2014 , 8, 78	7
190	Standardizing the Protocols of Constraint Induced Movement Therapy in Patients within 4 Months Post-stroke: A Pilot Randomized Controlled trial. 2014 , 02,	
189	Chronic pain. 289-297	
188	Plasticity of mature and developing somatosensory systems. 75-82	
187	Plasticity of cerebral motor functions: implications for repair and rehabilitation. 99-113	1
186	Contemporary concepts in upper extremity rehabilitation. 330-342	
185	Combining Functional Electrical Stimulation with Mirror Therapy for the Upper Limb in People with Stroke. 2014 , 26, 113-129	2
184	Sequencing bilateral and unilateral task-oriented training versus task oriented training alone to improve arm function in individuals with chronic stroke. 2014 , 14, 236	21
183	Reinforced feedback in virtual environment for rehabilitation of upper extremity dysfunction after stroke: preliminary data from a randomized controlled trial. 2014 , 2014, 752128	54
182	The impact of constraint induced movement therapy on brain activation in chronic stroke patients with upper extremity paralysis: An fMRI study. 2014 , 24, 270-275	2
181	Changes in the theta band coherence during motor task after hand immobilization. 2014 , 7, 51	7
180	Differential patterns of cortical reorganization following constraint-induced movement therapy during early and late period after stroke: A preliminary study. 2014 , 35, 415-26	34
179	. 2014 ,	2
178	How Plastic Is the Brain after a Stroke?. 2014 , 20, 359-371	18

177	Plasticity beyond peri-infarct cortex: spinal up regulation of structural plasticity, neurotrophins, and inflammatory cytokines during recovery from cortical stroke. 2014 , 252, 47-56	44
176	Upper limb joint space modeling of stroke induced synergies using isolated and voluntary arm perturbations. 2014 , 22, 491-500	11
175	Interplay between intra- and interhemispheric remodeling of neural networks as a substrate of functional recovery after stroke: adaptive versus maladaptive reorganization. 2014 , 283, 178-201	28
174	Facilitation of corticospinal excitability by virtual reality exercise following anodal transcranial direct current stimulation in healthy volunteers and subacute stroke subjects. 2014 , 11, 124	42
173	Selective modulation of left primary motor cortex excitability after continuous theta burst stimulation to right primary motor cortex and bimanual training. 2014 , 269, 138-46	6
172	Age-related spatiotemporal reorganization during response inhibition. 2014 , 93, 371-80	17
171	Design and Development of the Cable Actuated Finger Exoskeleton for Hand Rehabilitation Following Stroke. 2014 , 19, 131-140	92
170	Effect of gait training with constrained-induced movement therapy (CIMT) on the balance of stroke patients. 2015 , 27, 611-3	7
169	Constraint-induced sound therapy for sudden sensorineural hearing loss--behavioral and neurophysiological outcomes. 2014 , 4, 3927	11
168	Neural Plasticity Across the Lifespan. 2015 ,	0
167	Biological Markers of Aphasia Recovery after Stroke. 2015 ,	
166	Things to Note in Stroke Rehabilitation. 2015 , 04,	1
165	A Review of Transcranial Magnetic Stimulation and Multimodal Neuroimaging to Characterize Post-Stroke Neuroplasticity. 2015 , 6, 226	71
164	Recovery Potential After Acute Stroke. 2015 , 6, 238	32
163	Development of an EMG controlled hand exoskeleton for post-stroke rehabilitation. 2015 ,	5
162	Constraint-induced movement therapy after stroke. 2015 , 14, 224-34	245
161	Assessment of inter-hemispheric imbalance using imaging and noninvasive brain stimulation in patients with chronic stroke. 2015 , 96, S94-103	46
160	Rehabilitation and neuroplasticity in children with unilateral cerebral palsy. 2015 , 11, 390-400	82

159	Do all sub acute stroke patients benefit from robot-assisted therapy? A retrospective study. 2015 , 33, 57-65	19
158	Evaluation of differences in brain neurophysiology and morphometry associated with hand function in individuals with chronic stroke. 2015 , 33, 31-42	29
157	Continuous passive movement does not influence motor maps in healthy adults. 2015 , 9, 230	4
156	Cortical Anatomical Variations and Efficacy of rTMS in the Treatment of Auditory Hallucinations. 2015 , 8, 1162-7	19
155	Exciting recovery: augmenting practice with stimulation to optimize outcomes after spinal cord injury. 2015 , 218, 103-26	15
154	A study on the effect of self bedside exercise program on resilience and activities of daily living for patients with hemiplegia. 2015 , 11, 30-5	6
153	Effect of Wii-based balance training on corticomotor excitability post stroke. 2015 , 47, 190-200	22
152	Neural coupling of cooperative hand movements: a reflex and fMRI study. 2015 , 25, 948-58	36
151	Neuromuscular Plasticity: Disentangling Stable and Variable Motor Maps in the Human Sensorimotor Cortex. 2016 , 2016, 7365609	23
150	Effect of Fluoxetine on Motor Recovery after Acute Haemorrhagic Stroke: A Randomized Trial. 2016 , 07,	2
149	Mirror Therapy Using Virtual Reality on the Wrsit of Rheumatoid Arthritis; Pilot Trial. 2016 , 9, 48	1
148	Involvement of beta absolute power in motor areas after hand immobilization: An EEG study. 2016 , 3,	1
147	Models to Tailor Brain Stimulation Therapies in Stroke. 2016 , 2016, 4071620	33
146	Randomized Trial of Peripheral Nerve Stimulation to Enhance Modified Constraint-Induced Therapy After Stroke. 2016 , 95, 397-406	24
145	The relationship of cortical folding and brain arteriovenous malformations. 2016 , 2,	1
144	Kinematic measures for upper limb motor assessment during robot-mediated training in patients with severe sub-acute stroke. 2016 , 34, 237-45	20
143	Constraint-induced movement therapy as a rehabilitation intervention for upper extremity in stroke patients: systematic review and meta-analysis. 2016 , 39, 197-210	35
142	Skilled Bimanual Training Drives Motor Cortex Plasticity in Children With Unilateral Cerebral Palsy. 2016 , 30, 834-44	59

141	Distinct neuroplasticity processes are induced by different periods of acrobatic exercise training. 2016 , 308, 64-74	11
140	Independent Causal Contributions of Alpha- and Beta-Band Oscillations during Movement Selection. 2016 , 36, 8726-33	31
139	Neural coupling of cooperative hand movements after stroke: role of ipsilateral afference. 2016 , 3, 884-888	5
138	Restoration of Hand Function in Stroke and Spinal Cord Injury. 2016 , 311-331	5
137	Imitation training with manipulated sensory information in neurorehabilitation. 2016 , 36, 426-431	
136	Longitudinal study on modulated corticospinal excitability throughout recovery in supratentorial stroke. <i>Neuroscience Letters</i> , 2016 , 617, 88-93	3-3 9
135	Noninvasive Neuromodulation in Poststroke Gait Disorders: Rationale, Feasibility, and State of the Art. 2016 , 30, 71-82	32
134	Causal Link between the Cortico-Rubral Pathway and Functional Recovery through Forced Impaired Limb Use in Rats with Stroke. 2016 , 36, 455-67	62
133	Clinical Applications of Magnetoencephalography. 2016 ,	5
132	Effects of Subdural Monopolar Cortical Stimulation Paired With Rehabilitative Training on Behavioral and Neurophysiological Recovery After Cortical Ischemic Stroke in Adult Squirrel Monkeys. 2016 , 30, 159-72	13
131	Central Adaptation following Brachial Plexus Injury. 2016 , 85, 325-32	18
130	Neuroplastic Sensorimotor Resting State Network Reorganization in Children With Hemiplegic Cerebral Palsy Treated With Constraint-Induced Movement Therapy. 2016 , 31, 220-6	21
129	Targeting interhemispheric inhibition with neuromodulation to enhance stroke rehabilitation. 2017 , 10, 214-222	77
128	Time course of changes in corticospinal excitability after short-term forearm/hand immobilization. 2017 , 28, 1092-1096	2
127	Comparing Occupation-Based and Repetitive Task Practice Interventions for Optimal Stroke Recovery: A Pilot Randomized Trial. 2017 , 35, 156-168	6
126	Advancing non-invasive neuromodulation clinical trials in children: Lessons from perinatal stroke. 2017 , 21, 75-103	31
125	Einzelfallstudie über die Effekte von Spiegeltherapie auf die motorische Funktionsfähigkeit bei einem Kind mit Hemiparese. 2017 , 13, 65-72	0
124	Late physiotherapy rehabilitation changes gait patterns in post-stroke patients. 2017 , 9, 14-18	

123	The eWrist - A wearable wrist exoskeleton with sEMG-based force control for stroke rehabilitation. 2017 , 2017, 726-733	21
122	Constraint-Induced Movement Therapy. 2017 , 143-155	
121	Neuroplastic Changes Following Brain Ischemia and their Contribution to Stroke Recovery: Novel Approaches in Neurorehabilitation. 2017 , 11, 76	98
120	The Effects of Modified Constraint-Induced Movement Therapy in Acute Subcortical Cerebral Infarction. 2017 , 11, 265	14
119	Preliminary Evidence for Training-Induced Changes of Morphology and Phantom Limb Pain. 2017 , 11, 319	14
118	Motor Recovery of the Affected Hand in Subacute Stroke Correlates with Changes of Contralateral Cortical Hand Motor Representation. 2017 , 2017, 6171903	14
117	Magnifying the View of the Hand Changes Its Cortical Representation. A Transcranial Magnetic Stimulation Study. 2018 , 30, 1098-1107	3
116	Training of the impaired forelimb after traumatic brain injury enhances hippocampal neurogenesis in the Emx1 null mice lacking a corpus callosum. 2018 , 340, 165-171	3
115	The effects of mental practice combined with modified constraint-induced therapy on corticospinal excitability, movement quality, function, and activities of daily living in persons with stroke. 2018 , 40, 2449-2457	9
114	Somatosensory Plasticity in Pediatric Cerebral Palsy following Constraint-Induced Movement Therapy. 2018 , 2018, 1891978	12
113	Operant conditioning of the tibialis anterior motor evoked potential in people with and without chronic incomplete spinal cord injury. 2018 , 120, 2745-2760	3
112	Bilateral Motor Cortex Plasticity in Individuals With Chronic Stroke, Induced by Paired Associative Stimulation. 2018 , 32, 671-681	9
111	The Activation of the Mirror Neuron System during Action Observation and Action Execution with Mirror Visual Feedback in Stroke: A Systematic Review. 2018 , 2018, 2321045	47
110	Time-dependent decline of body-specific attention to the paretic limb in chronic stroke patients. 2018 , 91, e751-e758	6
109	Leg Prosthesis With Somatosensory Feedback Reduces Phantom Limb Pain and Increases Functionality. 2018 , 9, 270	31
108	Mirror therapy for improving motor function after stroke. 2018 , 7, CD008449	66
107	Cortical Reorganizations for Recovery from Depressive State After Spinal Decompression Surgery. 2018 , 112, e632-e639	4
106	Development of a Rehabilitation Robot Combined with Functional Electrical Stimulation Controlled by Non-disabled Lower Extremity in Hemiplegic Gait. 2018 , 3, 20180005	5

105	Assessment of user voluntary engagement during neurorehabilitation using functional near-infrared spectroscopy: a preliminary study. 2018 , 15, 27	12
104	Increasing perceived hand size improves motor performance in individuals with stroke: a home-based training study. 2019 , 7, e7114	1
103	Motor imagery as a complementary technique for functional recovery after stroke: a systematic review. 2019 , 26, 576-587	14
102	Motometrics: A Toolbox for Annotation and Efficient Analysis of Motor Evoked Potentials. 2019 , 13, 8	2
101	Effect of cement/lime additive on clogging of vacuum-drain consolidation. 2019 , 304, 052011	
100	Transcranial Magnetic Stimulation-EEG Biomarkers of Poststroke Upper-Limb Motor Function. 2019 , 28, 104452	7
99	Is there a dose-dependent effect of modified constraint-induced movement therapy in patients with hemiplegia?. 2019 , 45, 57-66	1
98	Learned Helplessness After Anterior Cruciate Ligament Reconstruction: An Altered Neurocognitive State?. 2019 , 49, 647-657	10
97	The effects of five sessions of continuous theta burst stimulation over contralesional sensorimotor cortex paired with paretic skilled motor practice in people with chronic stroke. 2019 , 37, 273-290	3
96	Dynamic Office Environments Improve Brain Activity and Attentional Performance Mediated by Increased Motor Activity. 2019 , 13, 121	2
95	A functional Magnetic Resonance Imaging study of patients with Polar Type II/III complex shoulder instability. 2019 , 9, 6271	3
94	Constraint Induced Movement Therapy as a Rehabilitative Strategy for Ischemic Stroke-Linking Neural Plasticity with Restoration of Skilled Movements. 2019 , 28, 1640-1653	3
93	Brain networks and their relevance for stroke rehabilitation. 2019 , 130, 1098-1124	47
92	Safety and Feasibility of Transcranial Magnetic Stimulation as an Exploratory Assessment of Corticospinal Connectivity in Infants After Perinatal Brain Injury: An Observational Study. 2019 , 99, 689-700	6
91	Design of Shape Memory Alloy-Based Soft Wearable Robot for Assisting Wrist Motion. 2019 , 9, 4025	17
90	What is the functional relevance of reorganization in primary motor cortex after spinal cord injury?. 2019 , 121, 286-295	8
89	TMS motor mapping: Comparing the absolute reliability of digital reconstruction methods to the golden standard. 2019 , 12, 309-313	18
88	Comparison of Muscular Activity and Movement Performance in Robot-Assisted and Freely Performed Exercises. 2019 , 27, 43-50	6

87	Operant conditioning of the motor-evoked potential and locomotion in people with and without chronic incomplete spinal cord injury. 2019 , 121, 853-866	2
86	Inflammation and neural repair after ischemic brain injury. 2019 , 130, 104316	21
85	Upper Extremity Rehabilitation Using Fully Immersive Virtual Reality Games With a Head Mount Display: A Feasibility Study. 2020 , 12, 257-262	20
84	Performance of EEG Motor-Imagery based spatial filtering methods: A BCI study on Stroke patients. 2020 , 176, 2840-2848	3
83	An Exploratory Clinical Study on an Automated, Speed-Sensing Treadmill Prototype With Partial Body Weight Support for Hemiparetic Gait Rehabilitation in Subacute and Chronic Stroke Patients. 2020 , 11, 747	5
82	Therapeutic Effects of Repetitive Transcranial Magnetic Stimulation (rTMS) in Stroke. 2020 , 169-179	1
81	Transcranial Direct Current Stimulation for Motor Recovery Following Brain Injury. 2020 , 8, 268-279	1
80	Brain Endothelial Cell-Derived Exosomes Induce Neuroplasticity in Rats with Ischemia/Reperfusion Injury. 2020 , 11, 2201-2213	14
79	Bilateral Arm Training vs Unilateral Arm Training for Severely Affected Patients With Stroke: Exploratory Single-Blinded Randomized Controlled Trial. 2020 , 101, 1120-1130	9
78	Neurobiology of Recovery of Motor Function after Stroke: The Central Nervous System Biomarker Effects of Constraint-Induced Movement Therapy. 2020 , 2020, 9484298	10
77	Potential benefits of music playing in stroke upper limb motor rehabilitation. 2020 , 112, 585-599	27
76	Motor Cortical Network Plasticity in Patients With Recurrent Brain Tumors. 2020 , 14, 118	7
75	Imaging Developmental and Interventional Plasticity Following Perinatal Stroke. 2021 , 48, 157-171	4
74	Corticospinal properties are associated with sensorimotor performance in action video game players. 2021 , 226, 117576	1
73	Corticospinal excitability modulation by pairing peripheral nerve stimulation with cortical states of movement initiation. 2021 , 599, 2471-2482	6
72	Wearable vibrotactile stimulation for upper extremity rehabilitation in chronic stroke: clinical feasibility trial using the VTS Glove. 2021 , 18, 14	6
71	Gait patterns in ischemic and hemorrhagic post-stroke patients with delayed access to physiotherapy. 2021 , 41, 77-87	
70	Change in the bladder function of rats with focal cerebral infarction induced by photochemically-induced thrombosis.	

69	Anatomical correlates of recovery in apraxia: A longitudinal lesion-mapping study in stroke patients. 2021 , 142, 104-121	0
68	Evaluation of fMRI activation in hemiparetic stroke patients after rehabilitation with low-frequency repetitive transcranial magnetic stimulation and intensive occupational therapy. 2021 , 1-9	
67	Reorganization of cerebral circuits in human brain lesion. 2005 , 93, 65-70	16
66	Plasticity and Basal Ganglia Disorders. 2001 , 197-204	1
65	Virtual Rehabilitation. 2016 , 303-318	3
64	CI Therapy: A Method for Harnessing Neuroplastic Changes to Improve Rehabilitation after Damage to the Brain. 2009 , 792-799	1
63	Experience-dependent reorganization of somatosensory and motor cortical areas: towards a neurobiology of rehabilitation. 2011 , 111-129	2
62	Improving Stroke Rehabilitation with Vagus Nerve Stimulation. 2017 , 503-515	1
61	Recovery of Neurological Function. 2000 , 587-597	3
60	Intensivierung, Fokussierung und Verhaltensrelevanz. 2004 , 15, 219-232	5
59	Plasticity and Reorganization in the Rehabilitation of Stroke. 2016 , 224, 91-101	5
58	Change in Movement-Related Cortical Potentials Following Constraint-Induced Movement Therapy (CIMT) After Stroke. 2016 , 224, 112-124	6
57	Voice Treatment (LSVT [®]) for Individuals With Parkinson Disease: New Horizons. 2005 , 15, 9-16	3
56	Neuronal plasticity after stroke. 2006 , 231-256	3
55	Reprogramming surviving motor cortex after stroke. 2006 , 257-272	3
54	Reprogramming the motor cortex for functional recovery after neonatal or adult unilateral lesion of the corticospinal system in the macaque monkey. 2006 , 309-324	1
53	Rationales for improving motor function. 1999 , 12, 697-701	30
52	Mapping plastic brain changes after acute lesions. 1999 , 12, 709-13	15

51	Terapia de movimento induzido pela restrição na hemiplegia: um estudo de caso único. 2008 , 15, 298-303	4
50	Diagnostic capabilities of transcranial magnetic stimulation to predict motor recovery after a stroke. 2020 , 10, 64-74	1
49	Domiciliary VR-Based Therapy for Functional Recovery and Cortical Reorganization: Randomized Controlled Trial in Participants at the Chronic Stage Post Stroke. 2017 , 5, e15	16
48	Neurorestorative Effects of Constraint-Induced Movement Therapy after Stroke: An Integrative Review. 2013 , 04, 253-262	3
47	Behavioral, neurophysiological, and descriptive changes after occupation-based intervention. 2012 , 66, e107-13	15
46	Discovery of Behavior Sequence Pattern using Mining in Smart Home. 2008 , 8, 19-26	2
45	Comparison of Diffusion Tensor Tractography and Motor Evoked Potentials for the Estimation of Clinical Status in Subacute Stroke. 2016 , 40, 126-34	3
44	Assessment of virtual teacher feedback for the recovery of the upper limb after a stroke. Study protocol for a randomized controlled trial.. 2016 , 20, 13-20	1
43	Motor Dysfunction and Recovery. 2002 ,	
42	Neuroanatomical Substrates of Recovery of Function in Aphasia. 2003 , 47-63	
41	Stroke Rehabilitation - Pages 267-291. 2003 , 267-291	
40	Rehabilitation technique facilitates association cortices in hemiparetic patients: functional MRI study. 2003 , 87, 75-8	2
39	Physiologische Grundlagen und Therapieziele. 2004 , 7-148	
38	Behavioral Intervention and Recovery from CNS Damage. 2005 , 459-xix	
37	Systems Approach to Gait Rehabilitation Following Stroke. 2005 , 309-337	
36	Automatic Face Region Detection and Tracking for Robustness in Rotation using the Estimation Function. 2008 , 8, 1-9	1
35	Effect of CIMT on the Functional Improvement and BDNF Expression in Hemiplegic Rats Whose Somatomotor Area was Removed. 2008 , 8, 194-203	
34	Die Zerebralparese. 2009 , 187-204	

- 33 Funktionelle Bildgebung in der Neurorehabilitation. **2010**, 81-92
- 32 Plastizität. **2011**, 183-190
- 31 Therapeutische Methoden und Interventionen. **2011**, 191-301
- 30 Restoration of Hand Function in Stroke or Spinal Cord Injury. **2012**, 175-190 1
- 29 Das Unkontrollierbare kontrollieren mit Neurofeedback?. **2012**, 135-139
- 28 The Design of Combing Hair Assistive Device to Increase the Upper Limb Activities for Female Hemiplegia. **2013**, 479-486
- 27 Interventions for clients with movement limitations. **2013**, 191-250 1
- 26 Die Zerebralpareesen. **2014**, 243-261
- 25 Clinical Applications. **2016**, 113-126
- 24 Cortical Plasticity in Response to Injury and Disease. **2017**, 37-56 0
- 23 Therapy accompanying use of VRglasses in hemiparetic children and adolescents. 087-090
- 22 Anatomical Plasticity of the Distal Forelimb Projection of the Ventral Premotor Cortex Four weeks After Primary Motor Cortex Injury.
- 21 Task Related Neural Activity Following Primary Motor Cortical Ischemic Injury in Rats.
- 20 Handmotorik. **2007**, 397-410
- 19 Constraint-induced movement therapy as a paradigm of translational research in neurorehabilitation: Reviews and prospects. **2010**, 3, 48-60 7
- 18 Functional magnetic resonance imaging evaluation of brain function reorganization in cerebral stroke patients after constraint-induced movement therapy. **2012**, 7, 1158-63 1
- 17 Change in the central control of the bladder function of rats with focal cerebral infarction induced by photochemically-induced thrombosis. **2021**, 16, e0255200
- 16 Contralateral plasticity following constraint-induced movement therapy benefits outcome: contributions of the intact hemisphere to functional recovery. **2021**, 0

- 15 EEG as a marker of brain plasticity in clinical applications.. **2022**, 184, 91-104 ○
- 14 Table_1.DOCX. **2020**,
- 13 Data_Sheet_1.docx. **2020**,
- 12 Data_Sheet_1.ZIP. **2019**,
- 11 Revisiting dose and intensity of training: Opportunities to enhance recovery following stroke. **2022**, 31, 106789 ○
- 10 Voluntary-assisted Upper Limb Training for Severe Cerebral Palsy Using Robotics Devices and Neuromuscular Electrical Stimulation: Three Case Reports. **2022**, 7, n/a ○
- 9 Changes in Manual Therapy Techniques from the Perspective of Physical Therapists. ○
- 8 Impact of Constraint-Induced Movement Therapy (CIMT) on Functional Ambulation in Stroke Patients: A Systematic Review and Meta-Analysis. **2022**, 19, 12809 ○
- 7 The Hand After Stroke and SCI: Restoration of Function with Technology. **2022**, 113-134 ○
- 6 Effectiveness of Repetitive Transcranial Magnetic Stimulation Combined with Visual Feedback Training in Improving Neuroplasticity and Lower Limb Function After Chronic Stroke. ○
- 5 TMS motor mapping: method overview, research and clinical application. **2022**, 12, 10-19 ○
- 4 Upper limb rehabilitation after stroke: constraint versus intensive training. A longitudinal case-control study correlating motor performance with fMRI data. ○
- 3 Detangling the structural neural correlates associated with resting versus dynamic phantom limb pain intensity using a voxel-based morphometry analysis. ○
- 2 Spared Premotor Areas Undergo Rapid Nonlinear Changes in Functional Organization Following a Focal Ischemic Infarct in Primary Motor Cortex of Squirrel Monkeys. **2023**, 43, 2021-2032 ○
- 1 Effectiveness of Repetitive Transcranial Magnetic Stimulation Combined with Visual Feedback Training in Improving Neuroplasticity and Lower Limb Function after Chronic Stroke: A Pilot Study. **2023**, 12, 515 ○