

Leonardo G Cohen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

233
papers

32,576
citations

94
h-index

179
g-index

238
ext. papers

36,674
ext. citations

5.8
avg, IF

7.15
L-index

#	Paper	IF	Citations
233	Reward and plasticity: Implications for neurorehabilitation.. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2022 , 184, 331-340	3	0
232	The Intersection of Offline Learning and Rehabilitation. <i>Frontiers in Human Neuroscience</i> , 2021 , 15, 667534	3.4	1
231	Crowdsourcing in Cognitive and Systems Neuroscience. <i>Neuroscientist</i> , 2021 , 10738584211017018	7.6	2
230	Consolidation of human skill linked to waking hippocampo-neocortical replay. <i>Cell Reports</i> , 2021 , 35, 109193	10.6	7
229	The prevalence of the Val66Met polymorphism in musicians: Possible evidence for compensatory neuroplasticity from a pilot study. <i>PLoS ONE</i> , 2021 , 16, e0245107	3.7	
228	Statistical learning occurs during practice while high-order rule learning during rest period. <i>Npj Science of Learning</i> , 2021 , 6, 14	6	3
227	Phase-dependent offline enhancement of human motor memory. <i>Brain Stimulation</i> , 2021 , 14, 873-883	5.1	1
226	Repetitive Peripheral Sensory Stimulation as an Add-On Intervention for Upper Limb Rehabilitation in Stroke: A Randomized Trial. <i>Neurorehabilitation and Neural Repair</i> , 2021 , 15459683211046259	4.7	0
225	Mechanisms of offline motor learning at a microscale of seconds in large-scale crowdsourced data. <i>Npj Science of Learning</i> , 2020 , 5, 7	6	11
224	Phase-dependent transcranial magnetic stimulation of the lesioned hemisphere is accurate after stroke. <i>Brain Stimulation</i> , 2020 , 13, 1354-1357	5.1	3
223	Induction of LTD-like corticospinal plasticity by low-frequency rTMS depends on pre-stimulus phase of sensorimotor β rhythm. <i>Brain Stimulation</i> , 2020 , 13, 1580-1587	5.1	9
222	Transcranial direct current stimulation facilitates response inhibition through dynamic modulation of the fronto-basal ganglia network. <i>Brain Stimulation</i> , 2020 , 13, 96-104	5.1	17
221	Treatment of Upper Limb Paresis With Repetitive Peripheral Nerve Sensory Stimulation and Motor Training: Study Protocol for a Randomized Controlled Trial. <i>Frontiers in Neurology</i> , 2020 , 11, 196	4.1	1
220	Susceptibility of consolidated procedural memory to interference is independent of its active task-based retrieval. <i>PLoS ONE</i> , 2019 , 14, e0210876	3.7	2
219	Transcutaneous spinal direct current stimulation improves locomotor learning in healthy humans. <i>Brain Stimulation</i> , 2019 , 12, 628-634	5.1	10
218	Differential Brain Mechanisms of Selection and Maintenance of Information during Working Memory. <i>Journal of Neuroscience</i> , 2019 , 39, 3728-3740	6.6	27
217	Reversing working memory decline in the elderly. <i>Nature Neuroscience</i> , 2019 , 22, 686-688	25.5	2

216	A Rapid Form of Offline Consolidation in Skill Learning. <i>Current Biology</i> , 2019 , 29, 1346-1351.e4	6.3	41
215	Brain-Machine Interface in Chronic Stroke: Randomized Trial Long-Term Follow-up. <i>Neurorehabilitation and Neural Repair</i> , 2019 , 33, 188-198	4.7	36
214	Low-Frequency Brain Oscillations Track Motor Recovery in Human Stroke. <i>Annals of Neurology</i> , 2019 , 86, 853-865	9.4	18
213	Plasticity and recovery of function. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2019 , 163, 473-483	3	1
212	Beta rhythm events predict corticospinal motor output. <i>Scientific Reports</i> , 2019 , 9, 18305	4.9	3
211	Sensorimotor Oscillatory Phase-Power Interaction Gates Resting Human Corticospinal Output. <i>Cerebral Cortex</i> , 2019 , 29, 3766-3777	5.1	24
210	Transcranial Direct Current Stimulation Enhances Motor Skill Learning but Not Generalization in Chronic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2018 , 32, 295-308	4.7	22
209	Rigor and reproducibility in research with transcranial electrical stimulation: An NIMH-sponsored workshop. <i>Brain Stimulation</i> , 2018 , 11, 465-480	5.1	104
208	Combined Brain and Peripheral Nerve Stimulation in Chronic Stroke Patients With Moderate to Severe Motor Impairment. <i>Neuromodulation</i> , 2018 , 21, 176-183	3.1	14
207	Distributed cortical structural properties contribute to motor cortical excitability and inhibition. <i>Brain Structure and Function</i> , 2018 , 223, 3801-3812	4	3
206	A Preliminary Comparison of Motor Learning Across Different Non-invasive Brain Stimulation Paradigms Shows No Consistent Modulations. <i>Frontiers in Neuroscience</i> , 2018 , 12, 253	5.1	17
205	Repetitive Peripheral Sensory Stimulation and Upper Limb Performance in Stroke: A Systematic Review and Meta-analysis. <i>Neurorehabilitation and Neural Repair</i> , 2018 , 32, 863-871	4.7	22
204	Plasticity of Sensorimotor Networks: Multiple Overlapping Mechanisms. <i>Neuroscientist</i> , 2017 , 23, 185-196	6.6	9
203	Exploratory studies: a crucial step towards better hypothesis-driven confirmatory research in brain stimulation. <i>Journal of Physiology</i> , 2017 , 595, 1013-1014	3.9	
202	Effects of tDCS on motor learning and memory formation: A consensus and critical position paper. <i>Clinical Neurophysiology</i> , 2017 , 128, 589-603	4.3	166
201	Re-stepping into the same river: competition problem rather than a reconsolidation failure in an established motor skill. <i>Scientific Reports</i> , 2017 , 7, 9406	4.9	9
200	Temporal similarity perfusion mapping: A standardized and model-free method for detecting perfusion deficits in stroke. <i>PLoS ONE</i> , 2017 , 12, e0185552	3.7	4
199	Brain-Computer Interface-Based Communication in the Completely Locked-In State. <i>PLoS Biology</i> , 2017 , 15, e1002593	9.7	142

198	Biomarkers of stroke recovery: Consensus-based core recommendations from the Stroke Recovery and Rehabilitation Roundtable. <i>International Journal of Stroke</i> , 2017 , 12, 480-493	6.3	161
197	Biomarkers of Stroke Recovery: Consensus-Based Core Recommendations from the Stroke Recovery and Rehabilitation Roundtable. <i>Neurorehabilitation and Neural Repair</i> , 2017 , 31, 864-876	4.7	72
196	Longitudinal Structural and Functional Differences Between Proportional and Poor Motor Recovery After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2017 , 31, 1029-1041	4.7	33
195	Lasting deficit in inhibitory control with mild traumatic brain injury. <i>Scientific Reports</i> , 2017 , 7, 14902	4.9	15
194	Neuroplasticity. <i>Series on Bioengineering and Biomedical Engineering</i> , 2017 , 192-212		
193	Neural Substrates of Motor Recovery in Severely Impaired Stroke Patients With Hand Paralysis. <i>Neurorehabilitation and Neural Repair</i> , 2016 , 30, 328-38	4.7	23
192	Simultaneous transcranial direct current stimulation (tDCS) and whole-head magnetoencephalography (MEG): assessing the impact of tDCS on slow cortical magnetic fields. <i>NeuroImage</i> , 2016 , 140, 33-40	7.9	22
191	3D-printed head models for navigated non-invasive brain stimulation. <i>Clinical Neurophysiology</i> , 2016 , 127, 3341-2	4.3	1
190	Efficacy and safety of non-immersive virtual reality exercising in stroke rehabilitation (EVREST): a randomised, multicentre, single-blind, controlled trial. <i>Lancet Neurology</i> , 2016 , 15, 1019-27	24.1	192
189	Older adults get episodic memory boosting from noninvasive stimulation of prefrontal cortex during learning. <i>Neurobiology of Aging</i> , 2016 , 39, 210-216	5.6	44
188	Improving Motor Corticothalamic Communication After Stroke Using Real-Time fMRI Connectivity-Based Neurofeedback. <i>Neurorehabilitation and Neural Repair</i> , 2016 , 30, 671-5	4.7	67
187	Altered Human Memory Modification in the Presence of Normal Consolidation. <i>Cerebral Cortex</i> , 2016 , 26, 3828-3837	5.1	14
186	tACS Phase Locking of Frontal Midline Theta Oscillations Disrupts Working Memory Performance. <i>Frontiers in Cellular Neuroscience</i> , 2016 , 10, 120	6.1	35
185	Recrudescence of Focal Stroke Symptoms during Pain Management with Hydromorphone. <i>Frontiers in Neurology</i> , 2016 , 7, 50	4.1	8
184	PreSMA stimulation changes task-free functional connectivity in the fronto-basal-ganglia that correlates with response inhibition efficiency. <i>Human Brain Mapping</i> , 2016 , 37, 3236-49	5.9	27
183	Predicting motor improvement after stroke with clinical assessment and diffusion tensor imaging. <i>Neurology</i> , 2016 , 86, 1924-5	6.5	54
182	Time- but not sleep-dependent consolidation of tDCS-enhanced visuomotor skills. <i>Cerebral Cortex</i> , 2015 , 25, 109-17	5.1	94
181	Modulating reconsolidation: a link to causal systems-level dynamics of human memories. <i>Trends in Cognitive Sciences</i> , 2015 , 19, 475-82	14	43

180	Practice structure improves unconscious transitional memories by increasing synchrony in a premotor network. <i>Journal of Cognitive Neuroscience</i> , 2015 , 27, 1503-12	3.1	14
179	Enhancing Hebbian Learning to Control Brain Oscillatory Activity. <i>Cerebral Cortex</i> , 2015 , 25, 2409-15	5.1	37
178	Crossmodal encoding of motor sequence memories. <i>Psychological Research</i> , 2015 , 79, 318-26	2.5	4
177	Decoding upper limb residual muscle activity in severe chronic stroke. <i>Annals of Clinical and Translational Neurology</i> , 2015 , 2, 1-11	5.3	32
176	Effect of foreknowledge on neural activity of primary "go" responses relates to response stopping and switching. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 34	3.3	7
175	Brain-machine interfaces in neurorehabilitation of stroke. <i>Neurobiology of Disease</i> , 2015 , 83, 172-9	7.5	185
174	Practice and sleep form different aspects of skill. <i>Nature Communications</i> , 2014 , 5, 3407	17.4	26
173	Nonparetic arm force does not overinhibit the paretic arm in chronic poststroke hemiparesis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014 , 95, 849-56	2.8	18
172	Interference with existing memories alters offline intrinsic functional brain connectivity. <i>Neuron</i> , 2014 , 81, 69-76	13.9	48
171	Cortico-subcortical neuronal circuitry associated with reconsolidation of human procedural memories. <i>Cortex</i> , 2014 , 58, 281-8	3.8	43
170	Non-invasive brain stimulation in neurorehabilitation: local and distant effects for motor recovery. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 378	3.3	114
169	Noninvasive stimulation of prefrontal cortex strengthens existing episodic memories and reduces forgetting in the elderly. <i>Frontiers in Aging Neuroscience</i> , 2014 , 6, 289	5.3	79
168	Learned EEG-based brain self-regulation of motor-related oscillations during application of transcranial electric brain stimulation: feasibility and limitations. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 93	3.5	35
167	Conscious recall of different aspects of skill memory. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 233	3.5	6
166	Stochastic reinforcement benefits skill acquisition. <i>Learning and Memory</i> , 2014 , 21, 140-2	2.8	23
165	Translational neurorehabilitation research in the third world: what barriers to trial participation can teach us. <i>Stroke</i> , 2014 , 45, 1495-7	6.7	12
164	Brain structural substrates of reward dependence during behavioral performance. <i>Journal of Neuroscience</i> , 2014 , 34, 16433-41	6.6	14
163	Baseline frontostriatal-limbic connectivity predicts reward-based memory formation. <i>Human Brain Mapping</i> , 2014 , 35, 5921-31	5.9	15

162	Handgrip-Related Activation in the Primary Motor Cortex Relates to Underlying Neuronal Metabolism After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2014 , 28, 433-42	4.7	10
161	NIBS-driven brain plasticity. <i>Archives Italiennes De Biologie</i> , 2014 , 152, 247-58	1.1	12
160	Brain-machine interface in chronic stroke rehabilitation: a controlled study. <i>Annals of Neurology</i> , 2013 , 74, 100-8	9.4	566
159	Causal role of prefrontal cortex in strengthening of episodic memories through reconsolidation. <i>Current Biology</i> , 2013 , 23, 2181-4	6.3	58
158	Noninvasive brain stimulation in neurorehabilitation. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2013 , 116, 499-524	3	52
157	Noninvasive brain stimulation: from physiology to network dynamics and back. <i>Nature Neuroscience</i> , 2013 , 16, 838-44	25.5	368
156	Neural plasticity and its contribution to functional recovery. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2013 , 110, 3-12	3	56
155	Neuroenhancement of the aging brain: restoring skill acquisition in old subjects. <i>Annals of Neurology</i> , 2013 , 73, 10-5	9.4	150
154	Reversed timing-dependent associative plasticity in the human brain through interhemispheric interactions. <i>Journal of Neurophysiology</i> , 2013 , 109, 2260-71	3.2	20
153	Double dissociation of working memory load effects induced by bilateral parietal modulation. <i>Neuropsychologia</i> , 2012 , 50, 396-402	3.2	52
152	Common mechanisms of human perceptual and motor learning. <i>Nature Reviews Neuroscience</i> , 2012 , 13, 658-64	13.5	112
151	Recovery of motor function after stroke. <i>Developmental Psychobiology</i> , 2012 , 54, 254-62	3	52
150	Transcranial magnetic stimulation in mild to severe hemiparesis early after stroke: a proof of principle and novel approach to improve motor function. <i>Journal of Neurology</i> , 2012 , 259, 1399-405	5.5	71
149	Brain-machine interfaces and transcranial stimulation: future implications for directing functional movement and improving function after spinal injury in humans. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2012 , 109, 435-44	3	3
148	Parietofrontal integrity determines neural modulation associated with grasping imagery after stroke. <i>Brain</i> , 2012 , 135, 596-614	11.2	101
147	Modulation of training by single-session transcranial direct current stimulation to the intact motor cortex enhances motor skill acquisition of the paretic hand. <i>Stroke</i> , 2012 , 43, 2185-91	6.7	160
146	Rewiring the brain: potential role of the premotor cortex in motor control, learning, and recovery of function following brain injury. <i>Neurorehabilitation and Neural Repair</i> , 2012 , 26, 282-92	4.7	124
145	Neuroplasticity in the context of motor rehabilitation after stroke. <i>Nature Reviews Neurology</i> , 2011 , 7, 76-85	15	353

144	Neuroplasticity subserving motor skill learning. <i>Neuron</i> , 2011 , 72, 443-54	13.9	737
143	Modifying somatosensory processing with non-invasive brain stimulation. <i>Restorative Neurology and Neuroscience</i> , 2011 , 29, 427-37	2.8	34
142	Using repetitive transcranial magnetic stimulation to study the underlying neural mechanisms of human motor learning and memory. <i>Journal of Physiology</i> , 2011 , 589, 21-8	3.9	46
141	Reward improves long-term retention of a motor memory through induction of offline memory gains. <i>Current Biology</i> , 2011 , 21, 557-62	6.3	196
140	Motor callosal disconnection in early relapsing-remitting multiple sclerosis. <i>Human Brain Mapping</i> , 2011 , 32, 846-55	5.9	38
139	Modulation of motor learning and memory formation by non-invasive cortical stimulation of the primary motor cortex. <i>Neuropsychological Rehabilitation</i> , 2011 , 21, 650-75	3.1	42
138	Probing for hemispheric specialization for motor skill learning: a transcranial direct current stimulation study. <i>Journal of Neurophysiology</i> , 2011 , 106, 652-61	3.2	109
137	Primary motor cortex in stroke: a functional MRI-guided proton MR spectroscopic study. <i>Stroke</i> , 2011 , 42, 1004-9	6.7	33
136	Harnessing neuroplasticity for clinical applications. <i>Brain</i> , 2011 , 134, 1591-609	11.2	685
135	Mechanisms of short-term training-induced reaching improvement in severely hemiparetic stroke patients: a TMS study. <i>Neurorehabilitation and Neural Repair</i> , 2011 , 25, 398-411	4.7	60
134	Interhemispheric interactions between the human primary somatosensory cortices. <i>PLoS ONE</i> , 2011 , 6, e16150	3.7	47
133	Improved picture naming in aphasia patients treated with cathodal tDCS to inhibit the right Broca's homologue area. <i>Restorative Neurology and Neuroscience</i> , 2011 , 29, 141-52	2.8	105
132	Contribution of transcranial magnetic stimulation to the understanding of functional recovery mechanisms after stroke. <i>Neurorehabilitation and Neural Repair</i> , 2010 , 24, 125-35	4.7	82
131	Effectiveness of virtual reality using Wii gaming technology in stroke rehabilitation: a pilot randomized clinical trial and proof of principle. <i>Stroke</i> , 2010 , 41, 1477-84	6.7	520
130	Effects of somatosensory stimulation on motor function after subacute stroke. <i>Neurorehabilitation and Neural Repair</i> , 2010 , 24, 263-72	4.7	108
129	Facilitating skilled right hand motor function in older subjects by anodal polarization over the left primary motor cortex. <i>Neurobiology of Aging</i> , 2010 , 31, 2160-8	5.6	134
128	Direct current stimulation promotes BDNF-dependent synaptic plasticity: potential implications for motor learning. <i>Neuron</i> , 2010 , 66, 198-204	13.9	944
127	Interhemispheric asymmetry of corticomotor excitability after chronic cerebellar infarcts. <i>Cerebellum</i> , 2010 , 9, 398-404	4.3	16

126	Recovery of function in humans: cortical stimulation and pharmacological treatments after stroke. <i>Neurobiology of Disease</i> , 2010 , 37, 243-51	7.5	94
125	A case for the involvement of phonological loop in sentence comprehension. <i>Neuropsychologia</i> , 2010 , 48, 4003-11	3.2	26
124	Modification of existing human motor memories is enabled by primary cortical processing during memory reactivation. <i>Current Biology</i> , 2010 , 20, 1545-9	6.3	87
123	Noninvasive cortical stimulation enhances motor skill acquisition over multiple days through an effect on consolidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 1590-5	11.5	960
122	The corticospinal system and transcranial magnetic stimulation in stroke. <i>Topics in Stroke Rehabilitation</i> , 2009 , 16, 254-69	2.6	37
121	Consensus paper: combining transcranial stimulation with neuroimaging. <i>Brain Stimulation</i> , 2009 , 2, 58-80	9.1	239
120	Effects of different viewing perspectives on somatosensory activations during observation of touch. <i>Human Brain Mapping</i> , 2009 , 30, 2722-30	5.9	124
119	Scaling of motor cortical excitability during unimanual force generation. <i>Cortex</i> , 2009 , 45, 1065-71	3.8	43
118	Mechanisms controlling motor output to a transfer hand after learning a sequential pinch force skill with the opposite hand. <i>Clinical Neurophysiology</i> , 2009 , 120, 1859-65	4.3	57
117	Modulation of effects of intermittent theta burst stimulation applied over primary motor cortex (M1) by conditioning stimulation of the opposite M1. <i>Journal of Neurophysiology</i> , 2009 , 102, 766-73	3.2	32
116	Effects of combined peripheral nerve stimulation and brain polarization on performance of a motor sequence task after chronic stroke. <i>Stroke</i> , 2009 , 40, 1764-71	6.7	147
115	The Olympic brain. Does corticospinal plasticity play a role in acquisition of skills required for high-performance sports?. <i>Journal of Physiology</i> , 2008 , 586, 65-70	3.9	64
114	Contribution of transcranial magnetic stimulation to the understanding of cortical mechanisms involved in motor control. <i>Journal of Physiology</i> , 2008 , 586, 325-51	3.9	409
113	Motor cortical excitability in patients with poststroke epilepsy. <i>Epilepsia</i> , 2008 , 49, 117-24	6.4	13
112	State of the art: Pharmacologic effects on cortical excitability measures tested by transcranial magnetic stimulation. <i>Brain Stimulation</i> , 2008 , 1, 151-63	5.1	284
111	Transcranial direct current stimulation: State of the art 2008. <i>Brain Stimulation</i> , 2008 , 1, 206-23	5.1	2020
110	Consensus: Motor cortex plasticity protocols. <i>Brain Stimulation</i> , 2008 , 1, 164-82	5.1	433
109	Efficacy of repetitive transcranial magnetic stimulation/transcranial direct current stimulation in cognitive neurorehabilitation. <i>Brain Stimulation</i> , 2008 , 1, 326-36	5.1	192

108	Consensus: "Can tDCS and TMS enhance motor learning and memory formation?". <i>Brain Stimulation</i> , 2008 , 1, 363-369	5.1	191
107	Controversy: Noninvasive and invasive cortical stimulation show efficacy in treating stroke patients. <i>Brain Stimulation</i> , 2008 , 1, 370-82	5.1	107
106	Improvement of spatial tactile acuity by transcranial direct current stimulation. <i>Clinical Neurophysiology</i> , 2008 , 119, 805-11	4.3	102
105	Mechanisms underlying functional changes in the primary motor cortex ipsilateral to an active hand. <i>Journal of Neuroscience</i> , 2008 , 28, 5631-40	6.6	218
104	Think to move: a neuromagnetic brain-computer interface (BCI) system for chronic stroke. <i>Stroke</i> , 2008 , 39, 910-7	6.7	457
103	Effects of action observation on physical training after stroke. <i>Stroke</i> , 2008 , 39, 1814-20	6.7	177
102	Influence of somatosensory input on interhemispheric interactions in patients with chronic stroke. <i>Neurorehabilitation and Neural Repair</i> , 2008 , 22, 477-85	4.7	52
101	Time-specific contribution of the supplementary motor area to intermanual transfer of procedural knowledge. <i>Journal of Neuroscience</i> , 2008 , 28, 9664-9	6.6	37
100	Effects of somatosensory stimulation on the excitability of the unaffected hemisphere in chronic stroke patients. <i>Clinics</i> , 2008 , 63, 735-40	2.3	13
99	Cycling, a tool for locomotor recovery after motor lesions?. <i>NeuroRehabilitation</i> , 2008 , 23, 67-80	2	7
98	Brain-computer interfaces: communication and restoration of movement in paralysis. <i>Journal of Physiology</i> , 2007 , 579, 621-36	3.9	496
97	The physiology of brain-computer interfaces. <i>Journal of Physiology</i> , 2007 , 579, 570-570	3.9	3
96	Effects of somatosensory stimulation on motor function in chronic cortico-subcortical strokes. <i>Journal of Neurology</i> , 2007 , 254, 333-9	5.5	117
95	Intermanual Differences in movement-related interhemispheric inhibition. <i>Journal of Cognitive Neuroscience</i> , 2007 , 19, 204-13	3.1	188
94	Neurophysiological mechanisms involved in transfer of procedural knowledge. <i>Journal of Neuroscience</i> , 2007 , 27, 1045-53	6.6	125
93	Interhemispheric inhibition in distal and proximal arm representations in the primary motor cortex. <i>Journal of Neurophysiology</i> , 2007 , 97, 2511-5	3.2	73
92	Transcranial slow oscillatory stimulation drives consolidation of declarative memory by synchronization of the neocortex. <i>Future Neurology</i> , 2007 , 2, 173-177	1.5	
91	Somatosensory stimulation enhances the effects of training functional hand tasks in patients with chronic stroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2007 , 88, 1369-76	2.8	162

90	MR compatible force sensing system for real-time monitoring of wrist moments during fMRI testing. <i>Journal of Neuroscience Methods</i> , 2006 , 155, 300-7	3	45
89	Non-invasive brain stimulation: a new strategy to improve neurorehabilitation after stroke?. <i>Lancet Neurology</i> , 2006 , 5, 708-12	24.1	619
88	Multimodal imaging of brain reorganization in motor areas of the contralesional hemisphere of well recovered patients after capsular stroke. <i>Brain</i> , 2006 , 129, 791-808	11.2	335
87	Effects of somatosensory stimulation on use-dependent plasticity in chronic stroke. <i>Stroke</i> , 2006 , 37, 246-7	6.7	101
86	Encoding a motor memory in the older adult by action observation. <i>NeuroImage</i> , 2006 , 29, 677-84	7.9	128
85	Transcranial DC stimulation (tDCS): a tool for double-blind sham-controlled clinical studies in brain stimulation. <i>Clinical Neurophysiology</i> , 2006 , 117, 845-50	4.3	1192
84	Plastic changes in the human H-reflex pathway at rest following skillful cycling training. <i>Clinical Neurophysiology</i> , 2006 , 117, 1682-91	4.3	39
83	Influence of electric somatosensory stimulation on paretic-hand function in chronic stroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2006 , 87, 351-7	2.8	137
82	Translational studies in neurorehabilitation: from bench to bedside. <i>Cognitive and Behavioral Neurology</i> , 2006 , 19, 1-10	1.6	28
81	Volition and imagery in neurorehabilitation. <i>Cognitive and Behavioral Neurology</i> , 2006 , 19, 135-40	1.6	73
80	Noninvasive brain stimulation in stroke rehabilitation. <i>NeuroRx</i> , 2006 , 3, 474-81		116
79	Enduring representational plasticity after somatosensory stimulation. <i>NeuroImage</i> , 2005 , 27, 872-84	7.9	98
78	Transcallosal inhibition in chronic subcortical stroke. <i>NeuroImage</i> , 2005 , 28, 940-6	7.9	245
77	Improvement of motor function with noninvasive cortical stimulation in a patient with chronic stroke. <i>Neurorehabilitation and Neural Repair</i> , 2005 , 19, 14-9	4.7	196
76	Formation of a motor memory by action observation. <i>Journal of Neuroscience</i> , 2005 , 25, 9339-46	6.6	287
75	Drivers of brain plasticity. <i>Current Opinion in Neurology</i> , 2005 , 18, 667-74	7.1	111
74	Role of voluntary drive in encoding an elementary motor memory. <i>Journal of Neurophysiology</i> , 2005 , 93, 1099-103	3.2	126
73	Dopaminergic influences on formation of a motor memory. <i>Annals of Neurology</i> , 2005 , 58, 121-30	9.4	147

72	High level bilateral talks. Focus on "effect of low-frequency repetitive transcranial magnetic stimulation on interhemispheric inhibition". <i>Journal of Neurophysiology</i> , 2005 , 94, 1664-5	3.2	3
71	Effects of non-invasive cortical stimulation on skilled motor function in chronic stroke. <i>Brain</i> , 2005 , 128, 490-9	11.2	829
70	Functional neuroimaging in motor recovery after stroke. <i>Topics in Stroke Rehabilitation</i> , 2005 , 12, 15-21	2.6	11
69	Training-dependent plasticity in patients with multiple sclerosis. <i>Brain</i> , 2004 , 127, 2506-17	11.2	85
68	Transcranial magnetic stimulation of the occipital pole interferes with verbal processing in blind subjects. <i>Nature Neuroscience</i> , 2004 , 7, 1266-70	25.5	207
67	Functional connectivity between somatosensory and visual cortex in early blind humans. <i>European Journal of Neuroscience</i> , 2004 , 20, 1923-7	3.5	113
66	Cross-modal plasticity and deafferentation. <i>Cognitive Processing</i> , 2004 , 5, 152	1.5	2
65	Reorganization of the human ipsilesional premotor cortex after stroke. <i>Brain</i> , 2004 , 127, 747-58	11.2	324
64	Mechanisms underlying recovery of motor function after stroke. <i>Archives of Neurology</i> , 2004 , 61, 1844-8		441
63	Modulation of H-reflex excitability by tetanic stimulation. <i>Clinical Neurophysiology</i> , 2004 , 115, 858-61	4.3	27
62	Kinematic specificity of cortical reorganization associated with motor training. <i>NeuroImage</i> , 2004 , 21, 1182-7	7.9	46
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