Genevieve Albouy

List of Publications by Citations

76 papers	5,234 citations	38 h-index	72 g-index
88 ext. papers	6,240 ext. citations	5.8 avg, IF	5.04 L-index

#	Paper	IF	Citations
76	Hemodynamic cerebral correlates of sleep spindles during human non-rapid eye movement sleep. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 13164-9	11.5	361
75	Spontaneous neural activity during human slow wave sleep. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 15160-5	11.5	303
74	Both the hippocampus and striatum are involved in consolidation of motor sequence memory. *Neuron*, **2008**, 58, 261-72	13.9	296
73	Sleep transforms the cerebral trace of declarative memories. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 18778-83	11.5	286
72	Functional specialization for auditory-spatial processing in the occipital cortex of congenitally blind humans. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 4435-40	11.5	217
71	Sleep-related hippocampo-cortical interplay during emotional memory recollection. *PLoS Biology*, **2007**, 5, e282	9.7	199
70	Daytime light exposure dynamically enhances brain responses. *Current Biology*, **2006**, 16, 1616-21	6.3	188
69	The locus ceruleus is involved in the successful retrieval of emotional memories in humans. *Journal of Neuroscience*, **2006**, 26, 7416-23	6.6	177
68	Sleep promotes the neural reorganization of remote emotional memory. *Journal of Neuroscience*, **2009**, 29, 5143-52	6.6	173
67	Wavelength-dependent modulation of brain responses to a working memory task by daytime light exposure. *Cerebral Cortex*, **2007**, 17, 2788-95	5.1	172
66	The stress model of chronic pain: evidence from basal cortisol and hippocampal structure and function in humans. *Brain*, **2013**, 136, 815-27	11.2	166
65	Human cognition during REM sleep and the activity profile within frontal and parietal cortices: a reappraisal of functional neuroimaging data. *Progress in Brain Research*, **2005**, 150, 219-27	2.9	164
64	Brain responses to violet, blue, and green monochromatic light exposures in humans: prominent role of blue light and the brainstem. *PLoS ONE*, **2007**, 2, e1247	3.7	158
63	Hippocampus and striatum: dynamics and interaction during acquisition and sleep-related motor sequence memory consolidation. *Hippocampus*, **2013**, 23, 985-1004	3.5	152
62	Impact of blindness onset on the functional organization and the connectivity of the occipital cortex. *Brain*, **2013**, 136, 2769-83	11.2	146
61	Neural correlates of the age-related changes in motor sequence learning and motor adaptation in older adults. *Frontiers in Human Neuroscience*, **2013**, 7, 142	3.3	115
60	The left intraparietal sulcus and verbal short-term memory: focus of attention or serial order?. *NeuroImage*, **2006**, 32, 880-91	7.9	112

59	The Fate of Incoming Stimuli during NREM Sleep is Determined by Spindles and the Phase of the Slow Oscillation. *Frontiers in Neurology*, **2012**, 3, 40	4.1	101
58	Abnormal neural filtering of irrelevant visual information in depression. *Journal of Neuroscience*, **2009**, 29, 1395-403	6.6	100
57	Maintaining vs. enhancing motor sequence memories: respective roles of striatal and hippocampal systems. *NeuroImage*, **2015**, 108, 423-34	7.9	93
56	Sleeping on the motor engram: The multifaceted nature of sleep-related motor memory consolidation. *Neuroscience and Biobehavioral Reviews*, **2017**, 80, 1-22	9	92
55	fMRI and sleep correlates of the age-related impairment in motor memory consolidation. *Human Brain Mapping*, **2014**, 35, 3625-45	5.9	91
54	Interaction between hippocampal and striatal systems predicts subsequent consolidation of motor sequence memory. *PLoS ONE*, **2013**, 8, e59490	3.7	83
53	Daytime sleep enhances consolidation of the spatial but not motoric representation of motor sequence memory. *PLoS ONE*, **2013**, 8, e52805	3.7	81
52	The multifaceted nature of the relationship between performance and brain activity in motor sequence learning. *NeuroImage*, **2010**, 49, 694-702	7.9	76
51	NREM2 and Sleep Spindles Are Instrumental to the Consolidation of Motor Sequence Memories. *PLoS Biology*, **2016**, 14, e1002429	9.7	75
50	Age-Related Declines in Motor Performance are Associated With Decreased Segregation of Large-Scale Resting State Brain Networks. *Cerebral Cortex*, **2018**, 28, 4390-4402	5.1	73
49	Blue light stimulates cognitive brain activity in visually blind individuals. *Journal of Cognitive Neuroscience*, **2013**, 25, 2072-85	3.1	71
48	Acute stress contributes to individual differences in pain and pain-related brain activity in healthy and chronic pain patients. *Journal of Neuroscience*, **2013**, 33, 6826-33	6.6	68
47	Memory reactivation during rapid eye movement sleep promotes its generalization and integration in cortical stores. *Sleep*, **2014**, 37, 1061-75, 1075A-1075B	1.1	61
46	Implicit oculomotor sequence learning in humans: Time course of offline processing. *Brain Research* , **2006**, 1090, 163-71	3.7	55
45	Neural processing of sensory and emotional-communicative information associated with the perception of vicarious pain. *NeuroImage*, **2012**, 63, 54-62	7.9	54
44	Neural correlates of performance variability during motor sequence acquisition. *NeuroImage*, **2012**, 60, 324-31	7.9	52
43	Sleep modulates the neural substrates of both spatial and contextual memory consolidation. *PLoS ONE*, **2008**, 3, e2949	3.7	47
42	Influence of aerobic exercise training on the neural correlates of motor learning in Parkinsons disease individuals. *NeuroImage: Clinical*, **2016**, 12, 559-569	5.3	46

41	Reactivation or transformation? Motor memory consolidation associated with cerebral activation time-locked to sleep spindles. *PLoS ONE*, **2017**, 12, e0174755	3.7	44
40	Neural precursors of delayed insight. *Journal of Cognitive Neuroscience*, **2011**, 23, 1900-10	3.1	40
39	The impact of visual perceptual learning on sleep and local slow-wave initiation. *Journal of Neuroscience*, **2013**, 33, 3323-31	6.6	39
38	Aging reduces the stimulating effect of blue light on cognitive brain functions. *Sleep*, **2014**, 37, 85-96	1.1	34
37	Impact of the resolution of brain parcels on connectome-wide association studies in fMRI. *NeuroImage*, **2015**, 123, 212-28	7.9	31
36	Cerebral Activation During Initial Motor Learning Forecasts Subsequent Sleep-Facilitated Memory Consolidation in Older Adults. *Cerebral Cortex*, **2017**, 27, 1588-1601	5.1	27
35	Relative cortico-subcortical shift in brain activity but preserved training-induced neural modulation in older adults during bimanual motor learning. *Neurobiology of Aging*, **2017**, 58, 54-67	5.6	27
34	How visual experience impacts the internal and external spatial mapping of sensorimotor functions. *Scientific Reports*, **2017**, 7, 1022	4.9	23
33	Sleep stabilizes visuomotor adaptation memory: a functional magnetic resonance imaging study. *Journal of Sleep Research*, **2013**, 22, 144-54	5.8	22
32	Striatal and hippocampal involvement in motor sequence chunking depends on the learning strategy. *PLoS ONE*, **2014**, 9, e103885	3.7	22
31	Cortical reactivations during sleep spindles following declarative learning. *NeuroImage*, **2019**, 195, 104-112	7.9	17
30	Challenge to Promote Change: The Neural Basis of the Contextual Interference Effect in Young and Older Adults. *Journal of Neuroscience*, **2018**, 38, 3333-3345	6.6	17
29	Tracking the evolution of crossmodal plasticity and visual functions before and after sight restoration. *Journal of Neurophysiology*, **2015**, 113, 1727-42	3.2	17
28	Movement preparation and execution: differential functional activation patterns after traumatic brain injury. *Brain*, **2016**, 139, 2469-85	11.2	14
27	Sleep quality influences subsequent motor skill acquisition. *Behavioral Neuroscience*, **2016**, 130, 290-7	2.1	12
26	Dreaming: a neuroimaging view. *Swiss Archives of Neurology, Psychiatry and Psychotherapy*, **2005**, 156, 415-425		11
25	Taking the brakes off the learning curve. *Human Brain Mapping*, **2017**, 38, 1676-1691	5.9	10
24	Differences in brain processing of proprioception related to postural control in patients with recurrent non-specific low back pain and healthy controls. *NeuroImage: Clinical*, **2019**, 23, 101881	5.3	10

23	Baseline sensorimotor GABA levels shape neuroplastic processes induced by motor learning in older adults. *Human Brain Mapping*, **2020**, 41, 3680-3695	5.9	10
22	Cerebral Activity Associated with Transient Sleep-Facilitated Reduction in Motor Memory Vulnerability to Interference. *Scientific Reports*, **2016**, 6, 34948	4.9	10
21	Consolidation through the looking-glass: sleep-dependent proactive interference on visuomotor adaptation in children. *Journal of Sleep Research*, **2014**, 23, 44-52	5.8	10
20	Glucocorticoid response to stress induction prior to learning is negatively related to subsequent motor memory consolidation. *Neurobiology of Learning and Memory*, **2019**, 158, 32-41	3.1	10
19	Re-stepping into the same river: competition problem rather than a reconsolidation failure in an established motor skill. *Scientific Reports*, **2017**, 7, 9406	4.9	9
18	Light modulates oscillatory alpha activity in the occipital cortex of totally visually blind individuals with intact non-image-forming photoreception. *Scientific Reports*, **2018**, 8, 16968	4.9	9
17	Lateralized effects of post-learning transcranial direct current stimulation on motor memory consolidation in older adults: An fMRI investigation. *NeuroImage*, **2020**, 223, 117323	7.9	7
16	Schema and Motor-Memory Consolidation. *Psychological Science*, **2019**, 30, 963-978	7.9	5
15	The two sides of pain communication: effects of pain expressiveness on vicarious brain responses revealed in chronic back pain patients. *Journal of Pain*, **2013**, 14, 1407-15	5.2	5
14	Weaker Inter-hemispheric and Local Functional Connectivity of the Somatomotor Cortex During a Motor Skill Acquisition Is Associated With Better Learning. *Frontiers in Neurology*, **2019**, 10, 1242	4.1	4
13	BRAIN IMAGING ON PASSING TO SLEEP **2005**, 123-137		3
12	Hippocampal and striatal responses during motor learning are modulated by prefrontal cortex stimulation. *NeuroImage*, **2021**, 237, 118158	7.9	3
11	Susceptibility of consolidated procedural memory to interference is independent of its active task-based retrieval. *PLoS ONE*, **2019**, 14, e0210876	3.7	2
10	The role of the PMd in task complexity: functional connectivity is modulated by motor learning and age. *Neurobiology of Aging*, **2020**, 92, 12-27	5.6	2
9	Movement errors during skilled motor performance engage distinct prediction error mechanisms. *Communications Biology*, **2020**, 3, 763	6.7	2
8	Persistence of Hippocampal and Striatal Multivoxel Patterns during Awake Rest after Motor Sequence Learning		2
7	Stress Modulates the Balance between Hippocampal and Motor Networks during Motor Memory Processing. *Cerebral Cortex*, **2021**, 31, 1365-1382	5.1	2
6	Hippocampal and striatal responses during motor learning are modulated by prefrontal cortex stimulation		1

5	Somatosensory Targeted Memory Reactivation Modulates Oscillatory Brain Activity but not Motor Memory Consolidation. *Neuroscience*, **2021**, 465, 203-218	3.9	1
4	Prefrontal stimulation prior to motor sequence learning alters multivoxel patterns in the striatum and the hippocampus. *Scientific Reports*, **2021**, 11, 20572	4.9	0
3	Differential Effects of a Nap on Motor Sequence Learning-Related Functional Connectivity Between Young and Older Adults. *Frontiers in Aging Neuroscience*, **2021**, 13, 747358	5.3	0
2	A role for GABA in the modulation of striatal and hippocampal systems under stress. *Communications Biology*, **2021**, 4, 1033	6.7	0
1	Connectivity in Large-Scale Resting-State Brain Networks Is Related to Motor Learning: A High-Density EEG Study. *Brain Sciences*, **2022**, 12, 530	3.4	