

Bryce A Mander

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

4,996
citations

331642

21
h-index

501174

28
g-index

32
all docs

32
docs citations

32
times ranked

5684
citing authors

#	ARTICLE	IF	CITATIONS
1	The sleep-deprived human brain. <i>Nature Reviews Neuroscience</i> , 2017, 18, 404-418.	10.2	701
2	Sleep and Human Aging. <i>Neuron</i> , 2017, 94, 19-36.	8.1	694
3	Role of Sleep Duration and Quality in the Risk and Severity of Type 2 Diabetes Mellitus. <i>Archives of Internal Medicine</i> , 2006, 166, 1768.	3.8	519
4	Prefrontal atrophy, disrupted NREM slow waves and impaired hippocampal-dependent memory in aging. <i>Nature Neuroscience</i> , 2013, 16, 357-364.	14.8	434
5	β -amyloid disrupts human NREM slow waves and related hippocampus-dependent memory consolidation. <i>Nature Neuroscience</i> , 2015, 18, 1051-1057.	14.8	411
6	Old Brains Come Uncoupled in Sleep: Slow Wave-Spindle Synchrony, Brain Atrophy, and Forgetting. <i>Neuron</i> , 2018, 97, 221-230.e4.	8.1	343
7	Sleep: A Novel Mechanistic Pathway, Biomarker, and Treatment Target in the Pathology of Alzheimer's Disease?. <i>Trends in Neurosciences</i> , 2016, 39, 552-566.	8.6	320
8	Concurrent Impairments in Sleep and Memory in Amnesic Mild Cognitive Impairment. <i>Journal of the International Neuropsychological Society</i> , 2012, 18, 490-500.	1.8	240
9	An electrophysiological marker of arousal level in humans. <i>ELife</i> , 2020, 9, .	6.0	194
10	Sleep as a Potential Biomarker of Tau and β -Amyloid Burden in the Human Brain. <i>Journal of Neuroscience</i> , 2019, 39, 6315-6324.	3.6	160
11	Wake deterioration and sleep restoration of human learning. <i>Current Biology</i> , 2011, 21, R183-R184.	3.9	156
12	Bidirectional prefrontal-hippocampal dynamics organize information transfer during sleep in humans. <i>Nature Communications</i> , 2019, 10, 3572.	12.8	149
13	Impaired Prefrontal Sleep Spindle Regulation of Hippocampal-Dependent Learning in Older Adults. <i>Cerebral Cortex</i> , 2014, 24, 3301-3309.	2.9	117
14	Sleep Disturbance Forecasts β -Amyloid Accumulation across Subsequent Years. <i>Current Biology</i> , 2020, 30, 4291-4298.e3.	3.9	110
15	Multiplexing of Theta and Alpha Rhythms in the Amygdala-Hippocampal Circuit Supports Pattern Separation of Emotional Information. <i>Neuron</i> , 2019, 102, 887-898.e5.	8.1	77
16	Objective measurement of sleep in mild cognitive impairment: A systematic review and meta-analysis. <i>Sleep Medicine Reviews</i> , 2020, 52, 101308.	8.5	69
17	Local Sleep and Alzheimer's Disease Pathophysiology. <i>Frontiers in Neuroscience</i> , 2020, 14, 525970.	2.8	50
18	Sleep deprivation alters functioning within the neural network underlying the covert orienting of attention. <i>Brain Research</i> , 2008, 1217, 148-156.	2.2	46

#	ARTICLE	IF	CITATIONS
19	White Matter Structure in Older Adults Moderates the Benefit of Sleep Spindles on Motor Memory Consolidation. <i>Journal of Neuroscience</i> , 2017, 37, 11675-11687.	3.6	42
20	Coupling between slow waves and sharp-wave ripples engages distributed neural activity during sleep in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	42
21	EEG Measures Index Neural and Cognitive Recovery from Sleep Deprivation. <i>Journal of Neuroscience</i> , 2010, 30, 2686-2693.	3.6	33
22	Waking Up to the Importance of Sleep in the Pathogenesis of Alzheimer Disease. <i>JAMA Neurology</i> , 2018, 75, 654.	9.0	23
23	Inflammation, tau pathology, and synaptic integrity associated with sleep spindles and memory prior to β -amyloid positivity. <i>Sleep</i> , 2022, 45, .	1.1	22
24	Disturbed Sleep in Preclinical Cognitive Impairment: Cause and Effect?. <i>Sleep</i> , 2013, 36, 1275-1276.	1.1	12
25	A restless night makes for a rising tide of amyloid. <i>Brain</i> , 2017, 140, 2066-2069.	7.6	9
26	Candidate mechanisms linking insomnia disorder to Alzheimer's disease risk. <i>Current Opinion in Behavioral Sciences</i> , 2020, 33, 92-98.	3.9	4
27	Symptoms of obstructive sleep apnea are associated with less frequent exercise and worse subjective cognitive function across adulthood. <i>Sleep</i> , 2022, 45, .	1.1	4
28	Aerobic fitness and the sleeping brain of adolescents—a pilot study. <i>SLEEP Advances</i> , 2021, 2, zpab005.	0.2	3
29	A role for inflammaging in β -synuclein-associated breakdown of local sleep in the elderly. <i>Alzheimer's and Dementia</i> , 2021, 17 Suppl 3, e054208.	0.8	0