Miranda M Lim

List of Publications by Year
in descending order

75 papers	5,363 citations	186265 28 h-index	98798 67 g-index
80 all docs	80 docs citations	80 times ranked	6564 citing authors

#	Article	IF	Citations
1	Amyloid-Î² Dynamics Are Regulated by Orexin and the Sleep-Wake Cycle. Science, 2009, 326, 1005-1007.	12.6	1,222
2	Enhanced partner preference in a promiscuous species by manipulating the expression of a single gene. Nature, 2004, 429, 754-757.	27.8	598
3	Neuropeptidergic regulation of affiliative behavior and social bonding in animals. Hormones and Behavior, 2006, 50, 506-517.	2.1	558
4	Cellular Mechanisms of Social Attachment. Hormones and Behavior, 2001, 40, 133-138.	2.1	457
5	Circadian clock proteins regulate neuronal redox homeostasis and neurodegeneration. Journal of Clinical Investigation, 2013, 123, 5389-5400.	8.2	393
6	Evaluation of 5-ethynyl-2â€²-deoxyuridine staining as a sensitive and reliable method for studying cell proliferation in the adult nervous system. Brain Research, 2010, 1319, 21-32.	2.2	172
7	Ventral striatopallidal oxytocin and vasopressin V1a receptors in the monogamous prairie vole (Microtus ochrogaster). Journal of Comparative Neurology, 2004, 468, 555-570.	1.6	148
8	Neuropeptides and the social brain: potential rodent models of autism. International Journal of Developmental Neuroscience, 2005, 23, 235-243.	1.6	122
9	The sleepâ€“wake cycle and Alzheimer's disease: what do we know?. Neurodegenerative Disease Management, 2014, 4, 351-362.	2.2	118
10	Sleep-Wake Disturbances After Traumatic Brain Injury: Synthesis of Human and Animal Studies. Sleep, 2017, 40, .	1.1	102
11	Concussion As a Multi-Scale Complex System: An Interdisciplinary Synthesis of Current Knowledge. Frontiers in Neurology, 2017, 8, 513.	2.4	96
12	Dietary Therapy Mitigates Persistent Wake Deficits Caused by Mild Traumatic Brain Injury. Science Translational Medicine, 2013, 5, 215ra173.	12.4	90
13	Species and sex differences in brain distribution of corticotropinâ€releasing factor receptor subtypes 1 and 2 in monogamous and promiscuous vole species. Journal of Comparative Neurology, 2005, 487, 75-92.	1.6	85
14	CRF receptors in the nucleus accumbens modulate partner preference in prairie voles. Hormones and Behavior, 2007, 51, 508-515.	2.1	81
15	Controlled Cortical Impact Traumatic Brain Injury Acutely Disrupts Wakefulness and Extracellular Orexin Dynamics as Determined by Intracerebral Microdialysis in Mice. Journal of Neurotrauma, 2012, 29, 1908-1921.	3.4	66
16	The Dynamics of Concussion: Mapping Pathophysiology, Persistence, and Recovery With Causal-Loop Diagramming. Frontiers in Neurology, 2018, 9, 203.	2.4	62
17	Linking Traumatic Brain Injury, Sleep Disruption and Post-Traumatic Headache: a Potential Role for Glymphatic Pathway Dysfunction. Current Pain and Headache Reports, 2019, 23, 62.	2.9	60
18	Alzheimer's Disease and Sleepâ€“Wake Disturbances: Amyloid, Astrocytes, and Animal Models. Journal of Neuroscience, 2018, 38, 2901-2910.	3.6	56

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19	Posttraumatic stress disorder increases the odds of REM sleep behavior disorder and other parasomnias in Veterans with and without comorbid traumatic brain injury. Sleep, 2020, 43, .	1.1	54
20	Increased Sleep Disturbances and Pain in Veterans With Comorbid Traumatic Brain Injury and Posttraumatic Stress Disorder. Journal of Clinical Sleep Medicine, 2018, 14, 1865-1878.	2.6	48
21	EEG slow waves in traumatic brain injury: Convergent findings in mouse and man. Neurobiology of Sleep and Circadian Rhythms, 2017, 2, 59-70.	2.8	44
22	Effects of traumatic brain injury on sleep and enlarged perivascular spaces. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 2258-2267.	4.3	44
23	Early-life sleep disruption increases parvalbumin in primary somatosensory cortex and impairs social bonding in prairie voles. Science Advances, 2019, 5, eaav5188.	10.3	44
24	Distribution of Corticotropin-Releasing Factor and Urocortin 1 in the Vole Brain. Brain, Behavior and Evolution, 2006, 68, 229-240.	1.7	40
25	Role of magnetic resonance imaging, cerebrospinal fluid, and electroencephalogram in diagnosis of sporadic Creutzfeldt-Jakob disease. Journal of Neurology, 2013, 260, 498-506.	3.6	38
26	Sleep deprivation differentially affects dopamine receptor subtypes in mouse striatum. NeuroReport, 2011, 22, 489-493.	1.2	36
27	Sleep Pathology in Creutzfeldt-Jakob Disease. Journal of Clinical Sleep Medicine, 2016, 12, 1033-1039.	2.6	35
28	Sleep Features on Continuous Electroencephalography Predict Rehabilitation Outcomes After Severe Traumatic Brain Injury. Journal of Head Trauma Rehabilitation, 2016, 31, 101-107.	1.7	34
29	Efficacy, Dosage, and Duration of Action of Branched Chain Amino Acid Therapy for Traumatic Brain Injury. Frontiers in Neurology, 2015, 6, 73.	2.4	25
30	Sensory Sensitivity in TBI: Implications for Chronic Disability. Current Neurology and Neuroscience Reports, 2018, 18, 56.	4.2	25
31	Sleep Quality and Emotion Regulation Interact to Predict Anxiety in Veterans with PTSD. Behavioural Neurology, 2018, 2018, 1-10.	2.1	25
32	Dietary therapy restores glutamatergic input to orexin/hypocretin neurons after traumatic brain injury in mice. Sleep, 2018, 41, .	1.1	24
33	Neurobiology of Arousal and Sleep: Updates and Insights Into Neurological Disorders. Current Sleep Medicine Reports, 2015, 1, 91-100.	1.4	20
34	Investigation of Machine Learning Approaches for Traumatic Brain Injury Classification via EEG Assessment in Mice. Sensors, 2020, 20, 2027.	3.8	20
35	Onset of Skin, Gut, and Genitourinary Prodromal Parkinson's Disease: A Study of 1.5 Million Veterans. Movement Disorders, 2021, 36, 2094-2103.	3.9	20
36	Species differences in brain distribution of CART mRNA and CART peptide between prairie and meadow voles. Brain Research, 2005, 1048, 12-23.	2.2	19

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37	Sleep Disturbances in Traumatic Brain Injury: Associations With Sensory Sensitivity. Journal of Clinical Sleep Medicine, 2018, 14, 1177-1186.	2.6	19
38	Trauma-Associated Sleep Disturbances: a Distinct Sleep Disorder?. Current Sleep Medicine Reports, 2018, 4, 143-148.	1.4	17
39	Systematic Review and Methodological Considerations for the Use of Single Prolonged Stress and Fear Extinction Retention in Rodents. Frontiers in Behavioral Neuroscience, 2021, 15, 652636.	2.0	17
40	Gait and Conditioned Fear Impairments in a Mouse Model of Comorbid TBI and PTSD. Behavioural Neurology, 2018, 2018, 1-10.	2.1	16
41	Sleep disturbance after pediatric traumatic brain injury: critical knowledge gaps remain for the critically injured. Nature and Science of Sleep, 2018, Volume 10, 225-228.	2.7	15
42	Blast Exposure Impairs Sensory Gating: Evidence from Measures of Acoustic Startle and Auditory Event-Related Potentials. Journal of Neurotrauma, 2019, 36, 702-712.	3.4	15
43	Sleep-Wake Disturbances After Acquired Brain Injury in Children Surviving Critical Care. Pediatric Neurology, 2020, 103, 43-51.	2.1	15
44	The relationship between depressive symptoms, somatic complaints, and concussion history with poor sleep in collegiate athletes. Sleep Health, 2021, 7, 43-48.	2.5	13
45	The Bidirectional Link Between Sleep Disturbances and Traumatic Brain Injury Symptoms: A Role for Glymphatic Dysfunction?. Biological Psychiatry, 2022, 91, 478-487.	1.3	13
46	In-Home Mobility Frequency and Stability in Older Adults Living Alone With or Without MCI: Introduction of New Metrics. Frontiers in Digital Health, 2021, 3, 764510.	2.8	13
47	Unobtrusive Sensing Technology Detects Ecologically Valid Spatiotemporal Patterns of Daily Routines Distinctive to Persons With Mild Cognitive Impairment. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 2077-2084.	3.6	13
48	Strong correlation of novel sleep electroencephalography coherence markers with diagnosis and severity of posttraumatic stress disorder. Scientific Reports, 2019, 9, 4247.	3.3	12
49	A Raspberry Pi-Based Traumatic Brain Injury Detection System for Single-Channel Electroencephalogram. Sensors, 2021, 21, 2779.	3.8	12
50	Early life sleep disruption alters glutamate and dendritic spines in prefrontal cortex and impairs cognitive flexibility in prairie voles. Current Research in Neurobiology, 2021, 2, 100020.	2.3	11
51	Excitability, Inhibition, and Neurotransmitter Levels in the Motor Cortex of Symptomatic and Asymptomatic Individuals Following Mild Traumatic Brain Injury. Frontiers in Neurology, 2020, 11, 683.	2.4	10
52	EEG slow waves in traumatic brain injury: Convergent findings in mouse and man. Neurobiology of Sleep and Circadian Rhythms, 2016, 1, .	2.8	8
53	Feasibility and preliminary efficacy for morning bright light therapy to improve sleep and plasma biomarkers in US Veterans with TBI. A prospective, open-label, single-arm trial. PLoS ONE, 2022, 17, e0262955.	2.5	7
54	Early life sleep disruption is a risk factor for increased ethanol drinking after acute footshock stress in prairie voles.. Behavioral Neuroscience, 2020, 134, 424-434.	1.2	6

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55	Dietary Supplementation With Branched Chain Amino Acids to Improve Sleep in Veterans With Traumatic Brain Injury: A Randomized Double-Blind Placebo-Controlled Pilot and Feasibility Trial. Frontiers in Systems Neuroscience, 2022, 16, .	2.5	6
56	Effects of sleep disruption on stress, nigrostriatal markers, and behavior in a chronic/progressive MPTP male mouse model of parkinsonism. Journal of Neuroscience Research, 2019, 97, 1706-1719.	2.9	5
57	Different Methods for Traumatic Brain Injury Diagnosis Influence Presence and Symptoms of Post-Concussive Syndrome in United States Veterans. Journal of Neurotrauma, 2021, 38, 3126-3136.	3.4	5
58	Acoustic prepulse inhibition in male and female prairie voles: Implications for models of neuropsychiatric illness. Behavioural Brain Research, 2019, 360, 298-302.	2.2	4
59	Classification of Electroencephalogram in a Mouse Model of Traumatic Brain Injury Using Machine Learning Approaches. , 2020, 2020, 3335-3338.		4
60	Emfit Bed Sensor Activity Shows Strong Agreement with Wrist Actigraphy for the Assessment of Sleep in the Home Setting. Nature and Science of Sleep, 2021, Volume 13, 1157-1166.	2.7	4
61	Categorizing Sleep in Older Adults with Wireless Activity Monitors Using LSTM Neural Networks. , 2019, 2019, 3368-3372.		3
62	Sleep Disturbances in TBI and PTSD and Potential Risk of Neurodegeneration. Current Sleep Medicine Reports, 2017, 3, 179-192.	1.4	2
63	Overlooked Implications of Disturbed Sleep in Traumatic Brain Injury. JAMA Neurology, 2019, 76, 114.	9.0	2
64	Association Between Mild Cognitive Impairment and Seasonal Rest-Activity Patterns of Older Adults. Frontiers in Digital Health, 2022, 4, 809370.	2.8	2
65	Sleep and Executive Functioning in Pediatric Traumatic Brain Injury Survivors after Critical Care. Children, 2022, 9, 748.	1.5	2
66	[P1â€“302]: DISRUPTED INFRADIAN RHYTHMS IN MILD COGNITIVE IMPAIRMENT. Alzheimer's and Dementia, 2017, 13, P368.	0.8	1
67	0869 Morning Bright Light Improves Insomnia, Mood, And Pain In Veterans With TBI And PTSD. Sleep, 2019, 42, A349-A349.	1.1	1
68	820 An Unusual Case of Post-Traumatic Brain Injury Kleine-Levin Syndrome with Anti-GAD-65 Autoantibodies. Sleep, 2021, 44, A320-A320.	1.1	1
69	Phasic Sleep Events Shape Cognitive Function after Traumatic Brain Injury: Implications for the Study of Sleep in Neurodevelopmental Disorders. AIMS Neuroscience, 2016, 3, 232-236.	2.3	1
70	Investigation of Machine Learning and Deep Learning Approaches for Detection of Mild Traumatic Brain Injury from Human Sleep Electroencephalogram. , 2021, 2021, 6134-6137.		1
71	A reply to â€œTo travel or not to travel: The modern day struggle of the academic researcherâ€• Annals of Neurology, 2016, 79, 333-333.	5.3	0
72	Morning bright light therapy for sleep to augment cognitive rehabilitation in Veterans with comorbid traumatic brain injury and postâ€traumatic stress disorder: A pilot study. FASEB Journal, 2021, 35, .	0.5	0

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73	799 Automated Detection of Slow Wave Coherence in Sleep EEG: A potential neurophysiological correlate of cognitive decline. Sleep, 2021, 44, A311-A311.	1.1	0
74	252 Non-Invasive Quantification of Human Brain Lactate Concentrations Across Sleep-Wake Cycles. Sleep, 2021, 44, A101-A102.	1.1	0
75	Validation of Visually Identified Muscle Potentials during Human Sleep Using High Frequency/Low Frequency Spectral Power Ratios. Sensors, 2022, 22, 55.	3.8	0