

Sara Carole Mednick

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

4,937
citations

156536

32
h-index

116156

66
g-index

100
all docs

100
docs citations

100
times ranked

5311
citing authors

#	ARTICLE	IF	CITATIONS
1	Zolpidem Maintains Memories for Negative Emotions Across a Night of Sleep. <i>Affective Science</i> , 2022, 3, 389-399.	1.5	3
2	Progressive muscle relaxation increases slow-wave sleep during a daytime nap. <i>Journal of Sleep Research</i> , 2022, 31, e13574.	1.7	3
3	Tracking Sleep, Temperature, Heart Rate, and Daily Symptoms Across the Menstrual Cycle with the Oura Ring in Healthy Women. <i>International Journal of Women's Health</i> , 2022, Volume 14, 491-503.	1.1	16
4	The role of sleep for episodic memory consolidation: Stabilizing or rescuing?. <i>Neurobiology of Learning and Memory</i> , 2022, 191, 107621.	1.0	5
5	0112 Classification of reconstructed depth profiles shows Global and non-Global slow oscillations differentiate in the hippocampus and thalamus. <i>Sleep</i> , 2022, 45, A50-A51.	0.6	0
6	Autonomic central coupling during daytime sleep differs between older and younger people. <i>Neurobiology of Learning and Memory</i> , 2022, 193, 107646.	1.0	0
7	The space-time profiles of sleep spindles and their coordination with slow oscillations on the electrode manifold. <i>Sleep</i> , 2022, 45, .	0.6	6
8	Slow oscillations promote long-range effective communication: The key for memory consolidation in a broken-down network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	14
9	The effect of interference, offline sleep, and wake on spatial statistical learning. <i>Neurobiology of Learning and Memory</i> , 2022, 193, 107650.	1.0	2
10	Age-related losses in cardiac autonomic activity during a daytime nap. <i>Psychophysiology</i> , 2021, 58, e13701.	1.2	11
11	Slow oscillation density and amplitude decrease across development in pediatric Duchenne and Becker muscular dystrophy. <i>Sleep</i> , 2021, 44, .	0.6	3
12	Psychostimulants may block long-term memory formation via degraded sleep in healthy adults. <i>Neurobiology of Learning and Memory</i> , 2021, 178, 107342.	1.0	5
13	161 Sleep, Emotion, and Physical Activity in Older Adults Who Engage in Resonant Breathing Biofeedback. <i>Sleep</i> , 2021, 44, A65-A66.	0.6	0
14	055 Novel sleep-dependent spatial memory and navigation task using Minecraft. <i>Sleep</i> , 2021, 44, A23-A23.	0.6	0
15	259 Tracking naturalistic sleep over the menstrual cycle with a wearable in healthy young women. <i>Sleep</i> , 2021, 44, A104-A104.	0.6	0
16	030 The sleeping brain switches from frontal-subcortical working memory to hippocampal episodic memory processing during NREM sleep. <i>Sleep</i> , 2021, 44, A14-A14.	0.6	0
17	Competitive dynamics underlie cognitive improvements during sleep. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	8
18	New directions in sleep and memory research: the role of autonomic activity. <i>Current Opinion in Behavioral Sciences</i> , 2020, 33, 17-24.	2.0	15

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19	Autonomic Activity during a Daytime Nap Facilitates Working Memory Improvement. <i>Journal of Cognitive Neuroscience</i> , 2020, 32, 1963-1974.	1.1	14
20	Autonomic/central coupling benefits working memory in healthy young adults. <i>Neurobiology of Learning and Memory</i> , 2020, 173, 107267.	1.0	12
21	Massive online data annotation, crowdsourcing to generate high quality sleep spindle annotations from EEG data. <i>Scientific Data</i> , 2020, 7, 190.	2.4	23
22	Transient cholinergic enhancement does not significantly affect either the magnitude or selectivity of perceptual learning of visual texture discrimination. <i>Journal of Vision</i> , 2020, 20, 5.	0.1	2
23	The effect of zolpidem on memory consolidation over a night of sleep. <i>Sleep</i> , 2020, 43, .	0.6	45
24	The impact of psychostimulants on sustained attention over a 24-h period. <i>Cognition</i> , 2019, 193, 104015.	1.1	7
25	Human Memories Can Be Linked by Temporal Proximity. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 315.	1.0	14
26	Does working memory improvement benefit from sleep in older adults?. <i>Neurobiology of Sleep and Circadian Rhythms</i> , 2019, 6, 53-61.	1.4	27
27	Midday napping in children: associations between nap frequency and duration across cognitive, positive psychological well-being, behavioral, and metabolic health outcomes. <i>Sleep</i> , 2019, 42, .	0.6	31
28	Timing between Cortical Slow Oscillations and Heart Rate Bursts during Sleep Predicts Temporal Processing Speed, but Not Offline Consolidation. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 1484-1490.	1.1	9
29	Short Duration Repetitive Transcranial Electrical Stimulation During Sleep Enhances Declarative Memory of Facts. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 123.	1.0	17
30	0081 Parasympathetic Activity During Sleep, But Not Wake, Facilitates Working Memory Improvement: A Comparison Of Young And Older Adults. <i>Sleep</i> , 2019, 42, A33-A34.	0.6	0
31	Morning stimulant administration reduces sleep and overnight working memory improvement. <i>Behavioural Brain Research</i> , 2019, 370, 111940.	1.2	5
32	Coupling of autonomic and central events during sleep benefits declarative memory consolidation. <i>Neurobiology of Learning and Memory</i> , 2019, 157, 139-150.	1.0	29
33	Stimulating the sleeping brain: Current approaches to modulating memory-related sleep physiology. <i>Journal of Neuroscience Methods</i> , 2019, 316, 125-136.	1.3	25
34	Spatio-temporal structure of sleep slow oscillations on the electrode manifold and its relation to spindles. <i>Sleep</i> , 2019, 42, .	0.6	22
35	Impact of sex steroids and reproductive stage on sleep-dependent memory consolidation in women. <i>Neurobiology of Learning and Memory</i> , 2019, 160, 118-131.	1.0	16
36	Perceptual learning induces changes in early and late visual evoked potentials. <i>Vision Research</i> , 2018, 152, 101-109.	0.7	25

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37	Comparing the cardiac autonomic activity profile of daytime naps and nighttime sleep. <i>Neurobiology of Sleep and Circadian Rhythms</i> , 2018, 5, 52-57.	1.4	17
38	To Nap, Perchance to DREAM: A Factor Analysis of College Students'™ Self-Reported Reasons for Napping. <i>Behavioral Sleep Medicine</i> , 2018, 16, 135-153.	1.1	29
39	Human hippocampal replay during rest prioritizes weakly learned information and predicts memory performance. <i>Nature Communications</i> , 2018, 9, 3920.	5.8	167
40	The impact of frequent napping and nap practice on sleep-dependent memory in humans. <i>Scientific Reports</i> , 2018, 8, 15053.	1.6	31
41	Quantifying sleep architecture dynamics and individual differences using big data and Bayesian networks. <i>PLoS ONE</i> , 2018, 13, e0194604.	1.1	41
42	Closed-Loop Targeted Memory Reactivation during Sleep Improves Spatial Navigation. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 28.	1.0	42
43	Individual differences in compliance and agreement for sleep logs and wrist actigraphy: A longitudinal study of naturalistic sleep in healthy adults. <i>PLoS ONE</i> , 2018, 13, e0191883.	1.1	48
44	The Role of Sleep Spindles in Sleep-Dependent Memory Consolidation. <i>Studies in Neuroscience, Psychology and Behavioral Economics</i> , 2017, , 209-226.	0.1	9
45	Nighttime temperature and human sleep loss in a changing climate. <i>Science Advances</i> , 2017, 3, e1601555.	4.7	180
46	The effect of sex and menstrual phase on memory formation during a nap. <i>Neurobiology of Learning and Memory</i> , 2017, 145, 119-128.	1.0	38
47	Sleep Benefits Memory for Semantic Category Structure While Preserving Exemplar-Specific Information. <i>Scientific Reports</i> , 2017, 7, 14869.	1.6	60
48	The effects of cholinergic enhancement and consolidation duration on perceptual learning of texture discrimination. <i>Journal of Vision</i> , 2017, 17, 1070.	0.1	1
49	Heart rate variability during daytime naps in healthy adults: Autonomic profile and short-term reliability. <i>Psychophysiology</i> , 2016, 53, 473-481.	1.2	38
50	Response to the letter to the editor from Dr. Kawada, "Comparison of two accelerometers for monitoring sleep: Agreement and validity". <i>Physiology and Behavior</i> , 2016, 163, 333.	1.0	1
51	Autonomic activity during sleep predicts memory consolidation in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7272-7277.	3.3	58
52	Free-living cross-comparison of two wearable monitors for sleep and physical activity in healthy young adults. <i>Physiology and Behavior</i> , 2016, 157, 79-86.	1.0	41
53	Automatic detection of rapid eye movements (REMs): A machine learning approach. <i>Journal of Neuroscience Methods</i> , 2016, 259, 72-82.	1.3	28
54	Modulating acetylcholine during consolidation of sleep-dependent perceptual learning. <i>Journal of Vision</i> , 2016, 16, 550.	0.1	0

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55	Synaptic clustering within dendrites: An emerging theory of memory formation. <i>Progress in Neurobiology</i> , 2015, 126, 19-35.	2.8	149
56	Validation of an Automated Wireless System for Sleep Monitoring During Daytime Naps. <i>Behavioral Sleep Medicine</i> , 2015, 13, 157-168.	1.1	16
57	Sleep after practice reduces the attentional blink. <i>Attention, Perception, and Psychophysics</i> , 2015, 77, 1945-1954.	0.7	17
58	REM sleep rescues learning from interference. <i>Neurobiology of Learning and Memory</i> , 2015, 122, 51-62.	1.0	71
59	Sleep rescues perceptual learning from interference. <i>Journal of Vision</i> , 2015, 15, 1138.	0.1	3
60	Coupling of Thalamocortical Sleep Oscillations Are Important for Memory Consolidation in Humans. <i>PLoS ONE</i> , 2015, 10, e0144720.	1.1	113
61	Same-Sex Sexual Attraction Does Not Spread in Adolescent Social Networks. <i>Archives of Sexual Behavior</i> , 2014, 43, 335-344.	1.2	32
62	The benefit of offline sleep and wake for novel object recognition. <i>Experimental Brain Research</i> , 2014, 232, 1487-1496.	0.7	13
63	Sex differences in sleep-dependent perceptual learning. <i>Vision Research</i> , 2014, 99, 172-179.	0.7	31
64	Personality and Healthy Sleep: The Importance of Conscientiousness and Neuroticism. <i>PLoS ONE</i> , 2014, 9, e90628.	1.1	148
65	Pharmacologically Increasing Sleep Spindles Enhances Recognition for Negative and High-arousal Memories. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 1597-1610.	1.1	133
66	Napping helps preschoolers learn. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17171-17172.	3.3	8
67	Direct comparison of two actigraphy devices with polysomnographically recorded naps in healthy young adults. <i>Chronobiology International</i> , 2013, 30, 691-698.	0.9	148
68	The Critical Role of Sleep Spindles in Hippocampal-Dependent Memory: A Pharmacology Study. <i>Journal of Neuroscience</i> , 2013, 33, 4494-4504.	1.7	260
69	Nocturnal Continuous Glucose and Sleep Stage Data in Adults with Type 1 Diabetes in Real-World Conditions. <i>Journal of Diabetes Science and Technology</i> , 2013, 7, 1337-1345.	1.3	28
70	The effect of nap frequency on daytime sleep architecture. <i>Physiology and Behavior</i> , 2012, 107, 40-44.	1.0	43
71	The Road Not Taken. <i>Psychological Science</i> , 2012, 23, 288-294.	1.8	106
72	The effect of narrowband 500 nm light on daytime sleep in humans. <i>Physiology and Behavior</i> , 2011, 103, 197-202.	1.0	13

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73	An opportunistic theory of cellular and systems consolidation. Trends in Neurosciences, 2011, 34, 504-514.	4.2	207
74	Actigraphic assessment of a polysomnographic-recorded nap: a validation study. Journal of Sleep Research, 2011, 20, 214-222.	1.7	84
75	The Spread of Sleep Loss Influences Drug Use in Adolescent Social Networks. PLoS ONE, 2010, 5, e9775.	1.1	126
76	Comparing Models of Sleep-dependent Memory Consolidation. Journal of Experimental and Clinical Medicine, 2010, 2, 156-164.	0.2	5
77	The role of sleep and practice in implicit and explicit motor learning. Behavioural Brain Research, 2010, 214, 470-474.	1.2	47
78	Perceptual learning after a nap: The Mini-Me of Sleep. Journal of Vision, 2010, 3, 178-178.	0.1	0
79	REM, not incubation, improves creativity by priming associative networks. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10130-10134.	3.3	391
80	Sleep and rest facilitate implicit memory in a visual search task. Vision Research, 2009, 49, 2557-2565.	0.7	58
81	Comparing the benefits of caffeine, naps and placebo on verbal, motor and perceptual memory. Behavioural Brain Research, 2008, 193, 79-86.	1.2	124
82	Sleep-dependent learning and practice-dependent deterioration in an orientation discrimination task.. Behavioral Neuroscience, 2008, 122, 267-272.	0.6	20
83	Perceptual Deterioration is Reflected in the Neural Response: Fmri Study of Nappers and Non-Nappers. Perception, 2008, 37, 1086-1097.	0.5	21
84	The time course and specificity of perceptual deterioration. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3881-3885.	3.3	75
85	Childhood laterality and adult schizophrenia spectrum disorders: a prospective investigation. Schizophrenia Research, 2005, 72, 151-160.	1.1	62
86	The neural basis of the psychomotor vigilance task. Sleep, 2005, 28, 1059-68.	0.6	287
87	Sleep-dependent learning: a nap is as good as a night. Nature Neuroscience, 2003, 6, 697-698.	7.1	550
88	The restorative effect of naps on perceptual deterioration. Nature Neuroscience, 2002, 5, 677-681.	7.1	298