

Mehdi Tafti

List of Publications by Year in descending order

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124
papers

9,917
citations

38742

50
h-index

37204

96
g-index

135
all docs

135
docs citations

135
times ranked

9677
citing authors

#	ARTICLE	IF	CITATIONS
1	Prevalence of sleep-disordered breathing in the general population: the HypnoLaus study. <i>Lancet Respiratory Medicine</i> , 2015, 3, 310-318.	10.7	1,755
2	The Homeostatic Regulation of Sleep Need Is under Genetic Control. <i>Journal of Neuroscience</i> , 2001, 21, 2610-2621.	3.6	496
3	Narcolepsy " clinical spectrum, aetiopathophysiology, diagnosis and treatment. <i>Nature Reviews Neurology</i> , 2019, 15, 519-539.	10.1	364
4	<i>Homer1a</i> is a core brain molecular correlate of sleep loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20090-20095.	7.1	336
5	Sleep modulates haematopoiesis and protects against atherosclerosis. <i>Nature</i> , 2019, 566, 383-387.	27.8	279
6	Elevated Tribbles homolog 2 "specific antibody levels in narcolepsy patients. <i>Journal of Clinical Investigation</i> , 2010, 120, 713-719.	8.2	263
7	T cells in patients with "narcolepsy target self-antigens of hypocretin neurons. <i>Nature</i> , 2018, 562, 63-68.	27.8	244
8	The loss of circadian PAR bZip transcription factors results in epilepsy. <i>Genes and Development</i> , 2004, 18, 1397-1412.	5.9	241
9	The NoSAS score for screening of sleep-disordered breathing: a derivation and validation study. <i>Lancet Respiratory Medicine</i> , 2016, 4, 742-748.	10.7	210
10	Genetic variation in EEG activity during sleep in inbred mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998, 275, R1127-R1137.	1.8	183
11	HLA and genetic susceptibility to sleepwalking. <i>Molecular Psychiatry</i> , 2003, 8, 114-117.	7.9	183
12	Clinical, polysomnographic and genome-wide association analyses of narcolepsy with cataplexy: a European Narcolepsy Network study. <i>Journal of Sleep Research</i> , 2013, 22, 482-495.	3.2	182
13	Genome-wide association study identifies new HLA class II haplotypes strongly protective against narcolepsy. <i>Nature Genetics</i> , 2010, 42, 786-789.	21.4	170
14	DQB1 Locus Alone Explains Most of the Risk and Protection in Narcolepsy with Cataplexy in Europe. <i>Sleep</i> , 2014, 37, 19-25.	1.1	164
15	How Much Sleep Do We Need?. <i>Science</i> , 2009, 325, 825-826.	12.6	160
16	Successful management of cataplexy with intravenous immunoglobulins at narcolepsy onset. <i>Annals of Neurology</i> , 2004, 56, 905-908.	5.3	152
17	Hypocretin (orexin) biology and the pathophysiology of narcolepsy with cataplexy. <i>Lancet Neurology</i> , 2015, 14, 318-328.	10.2	152
18	Key Electrophysiological, Molecular, and Metabolic Signatures of Sleep and Wakefulness Revealed in Primary Cortical Cultures. <i>Journal of Neuroscience</i> , 2012, 32, 12506-12517.	3.6	151

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19	Deficiency in short-chain fatty acid $\hat{1}^2$ -oxidation affects theta oscillations during sleep. <i>Nature Genetics</i> , 2003, 34, 320-325.	21.4	140
20	The Transcription Factor DBP Affects Circadian Sleep Consolidation and Rhythmic EEG Activity. <i>Journal of Neuroscience</i> , 2000, 20, 617-625.	3.6	138
21	Age and gender variations of sleep in subjects without sleep disorders. <i>Annals of Medicine</i> , 2015, 47, 482-491.	3.8	132
22	Objective and Subjective Sleep Disturbances in Patients with Rheumatoid Arthritis. <i>Arthritis and Rheumatism</i> , 1994, 37, 41-49.	6.7	127
23	Genetics of normal and pathological sleep in humans. <i>Sleep Medicine Reviews</i> , 2005, 9, 91-100.	8.5	127
24	Clinical efficacy of high-dose intravenous immunoglobulins near the onset of narcolepsy in a 10-year-old boy. <i>Journal of Sleep Research</i> , 2003, 12, 347-348.	3.2	122
25	Narcolepsy and immunity. <i>Advances in Neuroimmunology</i> , 1995, 5, 23-37.	1.8	118
26	Local administration of dopaminergic drugs into the ventral tegmental area modulates cataplexy in the narcoleptic canine. <i>Brain Research</i> , 1996, 733, 83-100.	2.2	113
27	Prevalence and determinants of periodic limb movements in the general population. <i>Annals of Neurology</i> , 2016, 79, 464-474.	5.3	112
28	Sleep characteristics and cognitive impairment in the general population. <i>Neurology</i> , 2017, 88, 463-469.	1.1	105
29	Retinoic Acid Signaling Affects Cortical Synchrony During Sleep. <i>Science</i> , 2005, 310, 111-113.	12.6	102
30	Genetics of Sleep. <i>Annual Review of Genetics</i> , 2008, 42, 361-388.	7.6	102
31	Differential Effects of GABA _B Receptor Subtypes, $\hat{1}^3$ -Hydroxybutyric Acid, and Baclofen on EEG Activity and Sleep Regulation. <i>Journal of Neuroscience</i> , 2010, 30, 14194-14204.	3.6	94
32	Invited Review: Genetic dissection of sleep. <i>Journal of Applied Physiology</i> , 2002, 92, 1339-1347.	2.5	83
33	Novel Approach Identifies SNPs in SLC2A10 and KCNK9 with Evidence for Parent-of-Origin Effect on Body Mass Index. <i>PLoS Genetics</i> , 2014, 10, e1004508.	3.5	80
34	Functional Implication of the Vitamin A Signaling Pathway in the Brain. <i>Archives of Neurology</i> , 2007, 64, 1706.	4.5	77
35	Age-related changes in sleep in inbred mice are genotype dependent. <i>Neurobiology of Aging</i> , 2012, 33, 195.e13-195.e26.	3.1	77
36	Measurement of narcolepsy symptoms. <i>Neurology</i> , 2017, 88, 1358-1365.	1.1	74

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37	Localization of candidate genomic regions influencing paradoxical sleep in mice. <i>NeuroReport</i> , 1997, 8, 3755-3758.	1.2	69
38	Dreaming without REM sleep. <i>Consciousness and Cognition</i> , 2012, 21, 1129-1140.	1.5	69
39	Catechol-O-methyltransferase, dopamine, and sleep-wake regulation. <i>Sleep Medicine Reviews</i> , 2015, 22, 47-53.	8.5	66
40	Narcolepsy-Associated HLA Class I Alleles Implicate Cell-Mediated Cytotoxicity. <i>Sleep</i> , 2016, 39, 581-587.	1.1	66
41	Why Don't All Heavy Snorers Have Obstructive Sleep Apnea?. <i>The American Review of Respiratory Disease</i> , 1991, 143, 1288-1293.	2.9	65
42	Multiethnic Meta-Analysis Identifies <i>RAI1</i> as a Possible Obstructive Sleep Apnea-related Quantitative Trait Locus in Men. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 58, 391-401.	2.9	65
43	Month of Birth as a Risk Factor for Narcolepsy. <i>Sleep</i> , 2003, 26, 663-665.	1.1	64
44	Major Histocompatibility Class II Molecules in the CNS: Increased Microglial Expression at the Onset of Narcolepsy in a Canine Model. <i>Journal of Neuroscience</i> , 1996, 16, 4588-4595.	3.6	62
45	Genes for normal sleep and sleep disorders. <i>Annals of Medicine</i> , 2005, 37, 580-589.	3.8	62
46	Monozygotic twins concordant for narcolepsy-cataplexy without any detectable abnormality in the hypocretin (orexin) pathway. <i>Lancet, The</i> , 2004, 363, 1199-1200.	13.7	59
47	Differential Effects of Sodium Oxybate and Baclofen on EEG, Sleep, Neurobehavioral Performance, and Memory. <i>Sleep</i> , 2012, 35, 1071-1084.	1.1	59
48	Electroencephalogram paroxysmal theta characterizes cataplexy in mice and children. <i>Brain</i> , 2013, 136, 1592-1608.	7.6	59
49	How to Keep the Brain Awake? The Complex Molecular Pharmacogenetics of Wake Promotion. <i>Neuropsychopharmacology</i> , 2009, 34, 1625-1640.	5.4	56
50	A Missense Mutation in Myelin Oligodendrocyte Glycoprotein as a Cause of Familial Narcolepsy with Cataplexy. <i>American Journal of Human Genetics</i> , 2011, 89, 474-479.	6.2	55
51	A narcolepsy susceptibility locus maps to a 5Mb region of chromosome 21q. <i>Annals of Neurology</i> , 2004, 56, 382-388.	5.3	54
52	Sleep Characteristics in Early Stages of Chronic Kidney Disease in the HypnoLaus Cohort. <i>Sleep</i> , 2016, 39, 945-953.	1.1	51
53	ERK signaling pathway regulates sleep duration through activity-induced gene expression during wakefulness. <i>Science Signaling</i> , 2017, 10, .	3.6	51
54	Cerebral mGluR5 availability contributes to elevated sleep need and behavioral adjustment after sleep deprivation. <i>ELife</i> , 2017, 6, .	6.0	51

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55	Sleep EEG Changes After Middle Cerebral Artery Infarcts in Mice: Different Effects of Striatal and Cortical Lesions. <i>Sleep</i> , 2006, 29, 1339-1344.	1.1	50
56	Positional therapy for obstructive sleep apnea: An objective measurement of patients' usage and efficacy at home. <i>Sleep Medicine</i> , 2012, 13, 425-428.	1.6	50
57	Sleep deprivation in narcoleptic subjects: effect on sleep stages and EEG power density. <i>Electroencephalography and Clinical Neurophysiology</i> , 1992, 83, 339-349.	0.3	49
58	The European Narcolepsy Network (EU-NN) database. <i>Journal of Sleep Research</i> , 2016, 25, 356-364.	3.2	47
59	Pulse Wave Amplitude Drops during Sleep are Reliable Surrogate Markers of Changes in Cortical Activity. <i>Sleep</i> , 2010, 33, 1687-1692.	1.1	44
60	Molecular genetics and treatment of narcolepsy. <i>Annals of Medicine</i> , 2006, 38, 252-262.	3.8	43
61	Objective Sleep Structure and Cardiovascular Risk Factors in the General Population: The HypnoLaus Study. <i>Sleep</i> , 2015, 38, 391-400.	1.1	41
62	Association of socioeconomic status with sleep disturbances in the Swiss population-based CoLaus study. <i>Sleep Medicine</i> , 2015, 16, 469-476.	1.6	41
63	Genetics of sleep and sleep disorders. <i>Frontiers in Bioscience - Landmark</i> , 2003, 8, e381-397.	3.0	40
64	Association of Daytime Sleepiness with COMT Polymorphism in Patients with Parkinson Disease: a Pilot Study. <i>Sleep</i> , 2004, 27, 733-736.	1.1	39
65	Neuropharmacological Characterization of Basal Forebrain Cholinergic Stimulated Cataplexy in Narcoleptic Canines. <i>Experimental Neurology</i> , 1998, 151, 89-104.	4.1	38
66	Genetic aspects of normal and disturbed sleep. <i>Sleep Medicine</i> , 2009, 10, S17-S21.	1.6	38
67	Sleep in Human Narcolepsy Revisited with Special Reference to Prior Wakefulness Duration. <i>Sleep</i> , 1992, 15, 344-351.	1.1	30
68	Kleine-Levin syndrome: Functional imaging correlates of hypersomnia and behavioral symptoms. <i>Neurology</i> , 2012, 79, 1927-1929.	1.1	30
69	Scoring criteria for portable monitor recordings: a comparison of four hypopnoea definitions in a population-based cohort. <i>Thorax</i> , 2015, 70, 1047-1053.	5.6	30
70	Sodium oxybate is an effective and safe treatment for narcolepsy. <i>Sleep Medicine</i> , 2010, 11, 105-106.	1.6	29
71	Rare missense mutations in P2RY11 in narcolepsy with cataplexy. <i>Brain</i> , 2017, 140, 1657-1668.	7.6	27
72	Comment on "Antibodies to influenza nucleoprotein cross-react with human hypocretin receptor 2". <i>Science Translational Medicine</i> , 2015, 7, 314le2.	12.4	26

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73	In vitro Cortical Network Firing is Homeostatically Regulated: A Model for Sleep Regulation. Scientific Reports, 2018, 8, 6297.	3.3	26
74	Monozygotic Twins Affected with Kleine-Levin Syndrome. Sleep, 2012, 35, 595-6.	1.1	25
75	Effect of transnasal insufflation on sleep disordered breathing in acute stroke: a preliminary study. Sleep and Breathing, 2012, 16, 759-764.	1.7	24
76	Sleep onset rapid eye movement episodes in narcolepsy: REM sleep pressure or nonREM sleep dysregulation?. Journal of Sleep Research, 1992, 1, 245-250.	3.2	23
77	Blood and brain magnesium in inbred mice and their correlation with sleep quality. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 279, R2173-R2178.	1.8	23
78	The Genetic Basis of Sleep Disorders. Current Pharmaceutical Design, 2008, 14, 3386-3395.	1.9	23
79	Pharmacogenomics in the treatment of narcolepsy. Pharmacogenomics, 2003, 4, 23-33.	1.3	22
80	Rapid occurrence of depression following addition of sodium oxybate to modafinil. Sleep Medicine, 2010, 11, 500-501.	1.6	22
81	Effects of zopiclone on subjective evaluation of sleep and daytime alertness and on psychomotor and physical performance tests in athletes. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 1992, 16, 55-63.	4.8	21
82	Narcolepsy and familial advanced sleep-phase syndrome: molecular genetics of sleep disorders. Current Opinion in Genetics and Development, 2007, 17, 222-227.	3.3	21
83	Cytokine-induced sleep: Neurons respond to TNF with production of chemokines and increased expression of Homer1a in vitro. Brain, Behavior, and Immunity, 2015, 47, 186-192.	4.1	20
84	Thalidomide, a hypnotic with immune modulating properties, increases cataplexy in canine narcolepsy. NeuroReport, 1996, 7, 1881-1886.	1.2	19
85	Bad sleep? Don't blame the moon! A population-based study. Sleep Medicine, 2015, 16, 1321-1326.	1.6	18
86	Daytime sleepiness with and without cataplexy in Chinese and Taiwanese patients. Sleep Medicine, 2006, 7, 454-457.	1.6	17
87	Molecular codes and in vitro generation of hypocretin and melanin concentrating hormone neurons. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17061-17070.	7.1	17
88	Reply to 'Promotion of sleep by targeting the orexin system in rats, dogs and humans'. Nature Medicine, 2007, 13, 525-526.	30.7	16
89	Quantitative genetics of sleep in inbred mice. Dialogues in Clinical Neuroscience, 2007, 9, 273-278.	3.7	16
90	Magnesium involvement in sleep: genetic and nutritional models. Behavior Genetics, 2001, 31, 413-425.	2.1	14

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91	A patient with narcolepsy with cataplexy and multiple sclerosis: two different diseases that may share pathophysiologic mechanisms?. <i>Sleep Medicine</i> , 2013, 14, 695-696.	1.6	14
92	Central and Peripheral Metabolic Changes Induced by Gamma-Hydroxybutyrate. <i>Sleep</i> , 2015, 38, 305-313.	1.1	12
93	Kleineâ€Levin syndrome is associated with LMOD3 variants. <i>Journal of Sleep Research</i> , 2019, 28, e12718.	3.2	12
94	Sleep as a default state of cortical and subcortical networks. <i>Current Opinion in Physiology</i> , 2020, 15, 60-67.	1.8	12
95	Hypocretinergic interactions with the serotonergic system regulate REM sleep and cataplexy. <i>Nature Communications</i> , 2020, 11, 6034.	12.8	12
96	The Swiss Primary Hypersomnolence and Narcolepsy Cohort study (SPHYNCS): Study protocol for a prospective, multicentre cohort observational study. <i>Journal of Sleep Research</i> , 2021, 30, e13296.	3.2	12
97	Pharyngeal CT Studies in Patients With Mild or Severe Upper Airway Obstruction During Sleep. <i>Sleep</i> , 1993, 16, S152-S155.	1.1	11
98	Lack of Association Between Juvenile Myoclonic Epilepsy and HLA-DR13. <i>Epilepsia</i> , 1999, 40, 117-119.	5.1	11
99	Developmental regulation of carbonic anhydrase expression in mouse dorsal root ganglia. <i>Developmental Brain Research</i> , 1993, 71, 201-208.	1.7	10
100	Source inference of exogenous gamma-hydroxybutyric acid (GHB) administered to humans by means of carbon isotopic ratio analysis: novel perspectives regarding forensic investigation and intelligence issues. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1105-1112.	3.7	9
101	The evolutionarily conserved miRNA-137 targets the neuropeptide hypocretin/orexin and modulates the wake to sleep ratio. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2112225119.	7.1	9
102	Neurobiology of cataplexy. <i>Sleep Medicine Reviews</i> , 2021, 60, 101546.	8.5	8
103	HLA-DQ Allele Competition in Narcolepsy: Where is the Evidence?. <i>Sleep</i> , 2015, 38, 153-154.	1.1	5
104	Thalidomide, Immune Modulation and Narcolepsy. <i>Sleep</i> , 1996, 19, 116-116.	1.1	4
105	Unilateral periodic leg movements during wakefulness and sleep after a parietal hemorrhage. <i>Sleep Medicine</i> , 2008, 9, 465-466.	1.6	3
106	Effect of transnasal insufflation on sleep-disordered breathing in acute stroke. <i>Sleep and Breathing</i> , 2015, 19, 3-3.	1.7	3
107	LMOD3 gene variant in familial periodic hypersomnolence. <i>Sleep Medicine</i> , 2022, 91, 105-108.	1.6	3
108	Improvement of migraine headaches in severely obese patients after bariatric surgery. <i>Neurology</i> , 2011, 77, 1772-1773.	1.1	2

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109	Lauflumide (NLS-4) Is a New Potent Wake-Promoting Compound. <i>Frontiers in Neuroscience</i> , 2018, 12, 519.	2.8	2
110	Immunogenetics and sleep disorders. <i>Pharmacogenomics</i> , 2003, 4, 365-367.	1.3	1
111	Disorders of Sleep and Circadian Rhythms. , 2007, , 409-426.		1
112	A systems biology approach for uncovering the genetic landscape for multiple sleep-wake traits. , 0, , 104-118.		1
113	Genetics of Normal Human Sleep. , 2017, , 56-61.e4.		1
114	Human and Animal Genetics of Sleep and Sleep Disorders. , 2009, , 295-306.		1
115	Genetics of delta and theta activities during sleep: Deficiency in short-chain fatty acid beta-oxidation affects theta oscillations during sleep. <i>Sleep and Biological Rhythms</i> , 2004, 2, S34-S35.	1.0	0
116	A Missense Mutation in Myelin Oligodendrocyte Glycoprotein as a Cause of Familial Narcolepsy with Cataplexy. <i>American Journal of Human Genetics</i> , 2012, 91, 396.	6.2	0
117	Genome-wide association study (GWAS) approaches to sleep phenotypes. , 0, , 22-32.		0
118	Orexin (hypocretin) and narcolepsy. , 0, , 242-253.		0
119	Genetic interaction between circadian and homeostatic regulation of sleep. , 0, , 147-161.		0
120	Sleep and synaptic homeostasis. , 0, , 219-226.		0
121	Genome-wide association studies in narcolepsy. , 0, , 254-259.		0
122	Genetic Regulation of Sleep. , 2004, , 119-140.		0
123	Aspectos genéticos y trastornos del sueño en el ser humano y en los animales de experimentación. , 2011, , 295-306.		0
124	Genetics of Sleep and Sleep Disorders. , 2017, , 523-537.		0