

Valter Tucci

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

3,625
citations

257357

24
h-index

168321

53
g-index

67
all docs

67
docs citations

67
times ranked

6380
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell-cell coupling and DNA methylation abnormal phenotypes in the after-hours mice. <i>Epigenetics and Chromatin</i> , 2021, 14, 1.	1.8	9
2	<i>Dlk1</i> dosage regulates hippocampal neurogenesis and cognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	16
3	Sleep disorders in Prader-Willi syndrome, evidence from animal models and humans. <i>Sleep Medicine Reviews</i> , 2021, 57, 101432.	3.8	17
4	Loss of Snord116 alters cortical neuronal activity in mice: a preclinical investigation of Prader-Willi syndrome. <i>Human Molecular Genetics</i> , 2020, 29, 2051-2064.	1.4	12
5	Loss of Snord116 impacts lateral hypothalamus, sleep, and food-related behaviors. <i>JCI Insight</i> , 2020, 5, .	2.3	19
6	The development of synaptic transmission is time-locked to early social behaviors in rats. <i>Nature Communications</i> , 2019, 10, 1195.	5.8	30
7	Genomic Imprinting and Physiological Processes in Mammals. <i>Cell</i> , 2019, 176, 952-965.	13.5	395
8	Genomic imprinting and the control of sleep in mammals. <i>Current Opinion in Behavioral Sciences</i> , 2019, 25, 77-82.	2.0	2
9	A missense mutation in <i>Katnal1</i> underlies behavioural, neurological and ciliary anomalies. <i>Molecular Psychiatry</i> , 2018, 23, 713-722.	4.1	28
10	An approach to monitoring home-cage behavior in mice that facilitates data sharing. <i>Nature Protocols</i> , 2018, 13, 1331-1347.	5.5	30
11	A novel unsupervised analysis of electrophysiological signals reveals new sleep substages in mice. <i>PLoS Biology</i> , 2018, 16, e2003663.	2.6	8
12	Reproducibility and replicability of rodent phenotyping in preclinical studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 87, 218-232.	2.9	153
13	Gene-environment interaction influences attachment-like style in mice. <i>Genes, Brain and Behavior</i> , 2017, 16, 612-618.	1.1	9
14	Data-driven study of mouse sleep-stages using Restricted Boltzmann Machines. , 2017, , .		1
15	The after-hours circadian mutant has reduced phenotypic plasticity in behaviors at multiple timescales and in sleep homeostasis. <i>Scientific Reports</i> , 2017, 7, 17765.	1.6	7
16	Spatial Impairment and Memory in Genetic Disorders: Insights from Mouse Models. <i>Brain Sciences</i> , 2017, 7, 17.	1.1	6
17	A Simplified In vitro Experimental Model Encompasses the Essential Features of Sleep. <i>Frontiers in Neuroscience</i> , 2016, 10, 315.	1.4	23
18	Genomic Imprinting: A New Epigenetic Perspective of Sleep Regulation. <i>PLoS Genetics</i> , 2016, 12, e1006004.	1.5	45

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19	The Zfh3-Mediated Axis Regulates Sleep and Interval Timing in Mice. <i>Cell Reports</i> , 2016, 16, 615-621.	2.9	33
20	Working-for-Food Behaviors: A Preclinical Study in Prader-Willi Mutant Mice. <i>Genetics</i> , 2016, 204, 1129-1138.	1.2	18
21	With mouse age comes wisdom: A review and suggestions of relevant mouse models for age-related conditions. <i>Mechanisms of Ageing and Development</i> , 2016, 160, 54-68.	2.2	14
22	A study on the effect of multisensory stimulation in behaving rats. , 2016, 2016, 4707-4710.		1
23	Deletion of the <i>Snord116/SNORD116</i> Alters Sleep in Mice and Patients with Prader-Willi Syndrome. <i>Sleep</i> , 2016, 39, 637-644.	0.6	61
24	Metformin promotes tau aggregation and exacerbates abnormal behavior in a mouse model of tauopathy. <i>Molecular Neurodegeneration</i> , 2016, 11, 16.	4.4	96
25	Paternal Aging Affects Behavior in Pax6 Mutant Mice: A Gene/Environment Interaction in Understanding Neurodevelopmental Disorders. <i>PLoS ONE</i> , 2016, 11, e0166665.	1.1	21
26	Sleep-stage scoring in mice: The influence of data pre-processing on a system's performance. , 2015, 2015, 598-601.		8
27	TAAR1 Modulates Cortical Glutamate NMDA Receptor Function. <i>Neuropsychopharmacology</i> , 2015, 40, 2217-2227.	2.8	98
28	Working memory and reference memory tests of spatial navigation in mice (<i>Mus musculus</i>).. <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 2015, 129, 189-197.	0.3	21
29	Large-scale analysis of neuroimaging data on commercial clouds with content-aware resource allocation strategies. <i>International Journal of High Performance Computing Applications</i> , 2015, 29, 473-488.	2.4	5
30	Dominant β -catenin mutations cause intellectual disability with recognizable syndromic features. <i>Journal of Clinical Investigation</i> , 2014, 124, 1468-1482.	3.9	110
31	Novel mutations in human and mouse SCN4A implicate AMPK in myotonia and periodic paralysis. <i>Brain</i> , 2014, 137, 3171-3185.	3.7	23
32	Towards an integrated understanding of the biology of timing. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20120470.	1.8	23
33	Parent-of-origin genetic background affects the transcriptional levels of circadian and neuronal plasticity genes following sleep loss. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20120471.	1.8	21
34	Cognitive assessment of mice strains heterozygous for cell-adhesion genes reveals strain-specific alterations in timing. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20120464.	1.8	7
35	Sleep, Circadian Rhythms and Interval Timing: Evolutionary Strategies to Time Information. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 126, 11-14.	0.5	0
36	A Cross-Laboratory Investigation of Timing Endophenotypes in Mouse Behavior. <i>Timing and Time Perception</i> , 2014, 2, 35-50.	0.4	22

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37	Autism-related behavioral abnormalities in synapsin knockout mice. <i>Behavioural Brain Research</i> , 2013, 251, 65-74.	1.2	123
38	Layer-specific excitatory circuits differentially control recurrent network dynamics in the neocortex. <i>Nature Neuroscience</i> , 2013, 16, 227-234.	7.1	203
39	Lithium rescues synaptic plasticity and memory in Down syndrome mice. <i>Journal of Clinical Investigation</i> , 2013, 123, 348-361.	3.9	136
40	Loss of Gnas Imprinting Differentially Affects REM/NREM Sleep and Cognition in Mice. <i>PLoS Genetics</i> , 2012, 8, e1002706.	1.5	53
41	Current Understanding of the Interplay Between Catechol-OMethyltransferase Genetic Variants, Sleep, Brain Development and Cognitive Performance in Schizophrenia. <i>CNS and Neurological Disorders - Drug Targets</i> , 2012, 11, 292-298.	0.8	8
42	Mouse neuroimaging phenotyping in the cloud. , 2012, , .		2
43	Sound-Driven Synaptic Inhibition in Primary Visual Cortex. <i>Neuron</i> , 2012, 73, 814-828.	3.8	314
44	Sleep, Circadian Rhythms, and Interval Timing: Evolutionary Strategies to Time Information. <i>Frontiers in Integrative Neuroscience</i> , 2011, 5, 92.	1.0	17
45	ENU Mutagenesis Reveals a Novel Phenotype of Reduced Limb Strength in Mice Lacking Fibrillin 2. <i>PLoS ONE</i> , 2010, 5, e9137.	1.1	19
46	An ENU-induced mutation in mouse glycyl-tRNA synthetase (GARS) causes peripheral sensory and motor phenotypes creating a model of Charcot-Marie-Tooth type 2D peripheral neuropathy. <i>DMM Disease Models and Mechanisms</i> , 2009, 2, 359-373.	1.2	91
47	Cataplexy: An affair of pleasure or an unpleasant affair?. <i>Neuroscience Letters</i> , 2009, 450, 90-91.	1.0	8
48	Reliability, robustness, and reproducibility in mouse behavioral phenotyping: a cross-laboratory study. <i>Physiological Genomics</i> , 2008, 34, 243-255.	1.0	229
49	The After-Hours Mutant Reveals a Role for Fbxl3 in Determining Mammalian Circadian Period. <i>Science</i> , 2007, 316, 897-900.	6.0	434
50	Reaching and grasping phenotypes in the mouse (<i>Mus musculus</i>): A characterization of inbred strains and mutant lines. <i>Neuroscience</i> , 2007, 147, 573-582.	1.1	19
51	Differential effects of genotoxic stress on both concurrent body growth and gradual senescence in the adult zebrafish. <i>Aging Cell</i> , 2007, 6, 209-224.	3.0	76
52	A comparison of physiological and behavioural parameters in C57BL/6J mice undergoing food or water restriction regimes. <i>Behavioural Brain Research</i> , 2006, 173, 22-29.	1.2	56
53	Cognitive Aging in Zebrafish. <i>PLoS ONE</i> , 2006, 1, e14.	1.1	145
54	Gene-environment interactions differentially affect mouse strain behavioral parameters. <i>Mammalian Genome</i> , 2006, 17, 1113-1120.	1.0	42

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55	EMPreSS: standardized phenotype screens for functional annotation of the mouse genome. <i>Nature Genetics</i> , 2005, 37, 1155-1155.	9.4	146
56	Melatonin, circadian rhythms, and sleep. <i>Current Treatment Options in Neurology</i> , 2003, 5, 225-229.	0.7	62
57	Emotional Information Processing in Patients with Narcolepsy: A Psychophysiologic Investigation. <i>Sleep</i> , 2003, 26, 558-564.	0.6	32
58	Toward an understanding of the function of sleep: New insights from mouse genetics. , 2001, , 218-237.		1
59	Behavioral and Neurological Phenotyping in the Mouse. , 0, , 135-175.		3