

Tanya L Leise

List of Publications by Year in descending order

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44
papers

2,083
citations

331670

21
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254184

43
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46
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46
docs citations

46
times ranked

2349
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell-Type-Specific Circadian Bioluminescence Rhythms in <i>Dbp</i> Reporter Mice. <i>Journal of Biological Rhythms</i> , 2022, 37, 53-77.	2.6	7
2	Methods for Detecting PER2:LUCIFERASE Bioluminescence Rhythms in Freely Moving Mice. <i>Journal of Biological Rhythms</i> , 2022, 37, 78-93.	2.6	7
3	Weekend Light Shifts Evoke Persistent <i>Drosophila</i> Circadian Neural Network Desynchrony. <i>Journal of Neuroscience</i> , 2021, 41, 5173-5189.	3.6	9
4	Computational Analysis of PER2::LUC Imaging Data. <i>Methods in Molecular Biology</i> , 2021, 2130, 295-302.	0.9	1
5	Recurring circadian disruption alters circadian clock sensitivity to resetting. <i>European Journal of Neuroscience</i> , 2020, 51, 2343-2354.	2.6	19
6	The Clock Keeps Ticking: Circadian Rhythms of Free-Ranging Polar Bears. <i>Journal of Biological Rhythms</i> , 2020, 35, 180-194.	2.6	22
7	CIRCADA: Shiny Apps for Exploration of Experimental and Synthetic Circadian Time Series with an Educational Emphasis. <i>Journal of Biological Rhythms</i> , 2020, 35, 214-222.	2.6	7
8	Dynamics and Ultradian Structure of Human Sleep in Real Life. <i>Current Biology</i> , 2018, 28, 49-59.e5.	3.9	51
9	mTOR signaling in VIP neurons regulates circadian clock synchrony and olfaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3296-E3304.	7.1	36
10	Network Dynamics Mediate Circadian Clock Plasticity. <i>Neuron</i> , 2017, 93, 441-450.	8.1	63
11	Analysis of Nonstationary Time Series for Biological Rhythms Research. <i>Journal of Biological Rhythms</i> , 2017, 32, 187-194.	2.6	34
12	Multi-attribute, multi-alternative models of choice: Choice, reaction time, and process tracing. <i>Cognitive Psychology</i> , 2017, 98, 45-72.	2.2	19
13	Guidelines for Genome-Scale Analysis of Biological Rhythms. <i>Journal of Biological Rhythms</i> , 2017, 32, 380-393.	2.6	237
14	Calcium Circadian Rhythmicity in the Suprachiasmatic Nucleus: Cell Autonomy and Network Modulation. <i>ENeuro</i> , 2017, 4, ENEURO.0160-17.2017.	1.9	65
15	Functional Contributions of Strong and Weak Cellular Oscillators to Synchrony and Light-shifted Phase Dynamics. <i>Journal of Biological Rhythms</i> , 2016, 31, 337-351.	2.6	8
16	The bear circadian clock doesn't sleep during winter dormancy. <i>Frontiers in Zoology</i> , 2016, 13, 42.	2.0	17
17	Wavelet-Based Analysis of Circadian Behavioral Rhythms. <i>Methods in Enzymology</i> , 2015, 551, 95-119.	1.0	25
18	Phase Resetting in Duper Hamsters. <i>Journal of Biological Rhythms</i> , 2015, 30, 129-143.	2.6	5

#	ARTICLE	IF	CITATIONS
19	Neural correlates of individual differences in circadian behaviour. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150769.	2.6	21
20	Light Evokes Rapid Circadian Network Oscillator Desynchrony Followed by Gradual Phase Retuning of Synchrony. <i>Current Biology</i> , 2015, 25, 858-867.	3.9	58
21	Shell neurons of the master circadian clock coordinate the phase of tissue clocks throughout the brain and body. <i>BMC Biology</i> , 2015, 13, 43.	3.8	50
22	Circadian Rhythms of PER2::LUC in Individual Primary Mouse Hepatocytes and Cultures. <i>PLoS ONE</i> , 2014, 9, e87573.	2.5	42
23	Wavelet analysis of circadian and ultradian behavioral rhythms. <i>Journal of Circadian Rhythms</i> , 2014, 11, 5.	1.3	70
24	Making Do with Less: An Introduction to Compressed Sensing. <i>SIAM Review</i> , 2013, 55, 547-566.	9.5	45
25	Wavelet Meets Actogram. <i>Journal of Biological Rhythms</i> , 2013, 28, 62-68.	2.6	41
26	Dynamic Interactions Mediated by Nonredundant Signaling Mechanisms Couple Circadian Clock Neurons. <i>Neuron</i> , 2013, 80, 973-983.	8.1	179
27	Aging Differentially Affects the Re-entrainment Response of Central and Peripheral Circadian Oscillators. <i>Journal of Neuroscience</i> , 2012, 32, 16193-16202.	3.6	132
28	Bayesian statistical analysis of circadian oscillations in fibroblasts. <i>Journal of Theoretical Biology</i> , 2012, 314, 182-191.	1.7	14
29	Persistent Cell-Autonomous Circadian Oscillations in Fibroblasts Revealed by Six-Week Single-Cell Imaging of PER2::LUC Bioluminescence. <i>PLoS ONE</i> , 2012, 7, e33334.	2.5	82
30	Wavelet-Based Time Series Analysis of Circadian Rhythms. <i>Journal of Biological Rhythms</i> , 2011, 26, 454-463.	2.6	126
31	Intrinsic Regulation of Spatiotemporal Organization within the Suprachiasmatic Nucleus. <i>PLoS ONE</i> , 2011, 6, e15869.	2.5	94
32	A boundary integral method for a dynamic, transient mode I crack problem with viscoelastic cohesive zone. <i>International Journal of Fracture</i> , 2010, 162, 69-76.	2.2	1
33	Impedance Imaging, Inverse Problems, and Harry Potter's Cloak. <i>SIAM Review</i> , 2010, 52, 359-377.	9.5	21
34	Visualizing jet lag in the mouse suprachiasmatic nucleus and peripheral circadian timing system. <i>European Journal of Neuroscience</i> , 2009, 29, 171-180.	2.6	157
35	A boundary integral method for a dynamic, transient mode I crack problem with viscoelastic cohesive zone. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2009, , 69-76.	0.2	0
36	Reconsidering the boundary conditions for a dynamic, transient mode I crack problem. <i>Journal of Mechanics of Materials and Structures</i> , 2008, 3, 1797-1807.	0.6	2

#	ARTICLE	IF	CITATIONS
37	Nonlinear Oscillators at Our Fingertips. <i>American Mathematical Monthly</i> , 2007, 114, 14-28.	0.3	17
38	A mathematical model of the <i>Drosophila</i> circadian clock with emphasis on posttranslational mechanisms. <i>Journal of Theoretical Biology</i> , 2007, 248, 48-63.	1.7	18
39	The \$25,000,000,000 Eigenvector: The Linear Algebra behind Google. <i>SIAM Review</i> , 2006, 48, 569-581.	9.5	230
40	Dynamics of a Multistage Circadian System. <i>Journal of Biological Rhythms</i> , 2006, 21, 314-323.	2.6	25
41	An analytical and numerical study of a dynamically accelerating semi-infinite crack in a linear viscoelastic material. <i>International Journal of Fracture</i> , 2004, 127, 101-117.	2.2	4
42	A Method for Solving Dynamically Accelerating Crack Problems in Linear Viscoelasticity. <i>SIAM Journal on Applied Mathematics</i> , 2003, 64, 94-107.	1.8	5
43	A general method for solving dynamically accelerating multiple co-linear cracks. <i>International Journal of Fracture</i> , 2001, 111, 1-16.	2.2	6
44	Dynamically accelerating cracks part 2: a finite length mode III crack in elastic material. <i>Quarterly of Applied Mathematics</i> , 2001, 59, 601-614.	0.7	8