

Lior Appelbaum

List of Publications by Year in descending order

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46
papers

2,678
citations

218677

26
h-index

233421

45
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50
all docs

50
docs citations

50
times ranked

2884
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic and Neurological Deficiencies in the Visual System of mct8 Mutant Zebrafish. International Journal of Molecular Sciences, 2022, 23, 2464.	4.1	3
2	A Zebrafish Model for a Rare Genetic Disease Reveals a Conserved Role for FBXL3 in the Circadian Clock System. International Journal of Molecular Sciences, 2022, 23, 2373.	4.1	3
3	Heterogeneity of Hypocretin/Orexin Neurons. Frontiers of Neurology and Neuroscience, 2021, 45, 61-74.	2.8	17
4	Thyroid Hormones Regulate Goblet Cell Differentiation and Fgf19-Fgfr4 Signaling. Endocrinology, 2021, 162, .	2.8	4
5	Systematic identification of A-to-I RNA editing in zebrafish development and adult organs. Nucleic Acids Research, 2021, 49, 4325-4337.	14.5	21
6	Flatfoot in Africa, the cirripede <i>Chthamalus</i> in the west Indian Ocean. PeerJ, 2021, 9, e11710.	2.0	5
7	Parp1 promotes sleep, which enhances DNA repair in neurons. Molecular Cell, 2021, 81, 4979-4993.e7.	9.7	40
8	Neurotensin Enhances Locomotor Activity and Arousal and Inhibits Melanin-Concentrating Hormone Signaling. Neuroendocrinology, 2020, 110, 35-49.	2.5	5
9	Neural Alterations and Hyperactivity of the Hypothalamicâ€Pituitaryâ€Thyroid Axis in Oatp1c1 Deficiency. Thyroid, 2020, 30, 161-174.	4.5	13
10	Cavefish brain atlases reveal functional and anatomical convergence across independently evolved populations. Science Advances, 2020, 6, .	10.3	41
11	Splice-specific deficiency of the PTSD-associated gene PAC1 leads to a paradoxical age-dependent stress behavior. Scientific Reports, 2020, 10, 9559.	3.3	14
12	Hunger Potentiates the Habenular Winner Pathway for Social Conflict by Orexin-Promoted Biased Alternative Splicing of the AMPA Receptor Gene. Cell Reports, 2020, 31, 107790.	6.4	18
13	Behavioral criteria and techniques to define sleep in zebrafish. , 2020, , 141-153.		1
14	Sleep increases chromosome dynamics to enable reduction of accumulating DNA damage in single neurons. Nature Communications, 2019, 10, 895.	12.8	100
15	Neuronal noise as an origin of sleep arousals and its role in sudden infant death syndrome. Science Advances, 2018, 4, eaar6277.	10.3	34
16	Neuronal Mechanisms for Sleep/Wake Regulation and Modulatory Drive. Neuropsychopharmacology, 2018, 43, 937-952.	5.4	172
17	Zebrafish â€ An emerging model to explore thyroid hormone transporters and psychomotor retardation. Molecular and Cellular Endocrinology, 2017, 459, 53-58.	3.2	19
18	Modeling sleep and neuropsychiatric disorders in zebrafish. Current Opinion in Neurobiology, 2017, 44, 89-93.	4.2	28

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19	Sleep-Dependent Structural Synaptic Plasticity of Inhibitory Synapses in the Dendrites of Hypocretin/Orexin Neurons. <i>Molecular Neurobiology</i> , 2017, 54, 6581-6597.	4.0	18
20	The Hypocretin/Orexin Neuronal Networks in Zebrafish. <i>Current Topics in Behavioral Neurosciences</i> , 2016, 33, 75-92.	1.7	26
21	Pharmacological and BBB-targeted genetic therapies for thyroid hormone-dependent hypomyelination. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 1339-1348.	2.4	46
22	Profiling molecular and behavioral circadian rhythms in the non-symbiotic sea anemone <i>Nematostella vectensis</i> . <i>Scientific Reports</i> , 2015, 5, 11418.	3.3	36
23	Fmrp Interacts with Adar and Regulates RNA Editing, Synaptic Density and Locomotor Activity in Zebrafish. <i>PLoS Genetics</i> , 2015, 11, e1005702.	3.5	76
24	Hypocretin neuron-specific transcriptome profiling identifies the sleep modulator <i>Kcnh4a</i> . <i>ELife</i> , 2015, 4, e08638.	6.0	54
25	Reduced synaptic density and deficient locomotor response in neuronal activity-regulated pentraxin 2a mutant zebrafish. <i>FASEB Journal</i> , 2015, 29, 1220-1234.	0.5	18
26	Hypothalamic leptin-neurotensin-hypocretin neuronal networks in zebrafish. <i>Journal of Comparative Neurology</i> , 2015, 523, 831-848.	1.6	20
27	Fast Neurotransmission Related Genes Are Expressed in Non Nervous Endoderm in the Sea Anemone <i>Nematostella vectensis</i> . <i>PLoS ONE</i> , 2014, 9, e93832.	2.5	16
28	Altered Behavioral Performance and Live Imaging of Circuit-Specific Neural Deficiencies in a Zebrafish Model for Psychomotor Retardation. <i>PLoS Genetics</i> , 2014, 10, e1004615.	3.5	76
29	<i>Gas2l3</i> is essential for brain morphogenesis and development. <i>Developmental Biology</i> , 2014, 394, 305-313.	2.0	12
30	Zebrafish as a Model for Monocarboxyl Transporter 8-Deficiency. <i>Journal of Biological Chemistry</i> , 2013, 288, 169-180.	3.4	64
31	Circadian clocks, rhythmic synaptic plasticity and the sleep-wake cycle in zebrafish. <i>Frontiers in Neural Circuits</i> , 2013, 7, 9.	2.8	66
32	Genetic Ablation of Hypocretin Neurons Alters Behavioral State Transitions in Zebrafish. <i>Journal of Neuroscience</i> , 2012, 32, 12961-12972.	3.6	93
33	Synaptic plasticity in sleep: learning, homeostasis and disease. <i>Trends in Neurosciences</i> , 2011, 34, 452-463.	8.6	143
34	Circadian and Homeostatic Regulation of Structural Synaptic Plasticity in Hypocretin Neurons. <i>Neuron</i> , 2010, 68, 87-98.	8.1	154
35	Sleep-wake regulation and hypocretin-melatonin interaction in zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21942-21947.	7.1	160
36	Light Directs Zebrafish <i>period2</i> Expression via Conserved D and E Boxes. <i>PLoS Biology</i> , 2009, 7, e1000223.	5.6	112

#	ARTICLE	IF	CITATIONS
37	Characterization of Sleep in Zebrafish and Insomnia in Hypocretin Receptor Mutants. <i>PLoS Biology</i> , 2007, 5, e277.	5.6	328
38	Light-Responsive Cryptochromes from a Simple Multicellular Animal, the Coral <i>Acropora millepora</i> . <i>Science</i> , 2007, 318, 467-470.	12.6	236
39	Transcriptional Regulation of Arylalkylamine-N-Acetyltransferase-2 Gene in the Pineal Gland of the Gilthead Seabream. <i>Journal of Neuroendocrinology</i> , 2007, 19, 46-53.	2.6	27
40	Comparative expression of p2x receptors and ecto-nucleoside triphosphate diphosphohydrolase 3 in hypocretin and sensory neurons in zebrafish. <i>Brain Research</i> , 2007, 1174, 66-75.	2.2	49
41	Mechanism of pineal-specific gene expression: The role of E-box and photoreceptor conserved elements. <i>Molecular and Cellular Endocrinology</i> , 2006, 252, 27-33.	3.2	31
42	Zebrafish arylalkylamine-N-acetyltransferase genes are targets for regulation of the circadian clock. <i>Journal of Molecular Endocrinology</i> , 2006, 36, 337-347.	2.5	52
43	Regulation of Hypocretin (Orexin) Expression in Embryonic Zebrafish. <i>Journal of Biological Chemistry</i> , 2006, 281, 29753-29761.	3.4	106
44	Homeobox-Clock Protein Interaction in Zebrafish. <i>Journal of Biological Chemistry</i> , 2005, 280, 11544-11551.	3.4	51
45	Zebrafish Serotonin-N-Acetyltransferase-2 Gene Regulation: Pineal-Restrictive Downstream Module Contains a Functional E-Box and Three Photoreceptor Conserved Elements. <i>Molecular Endocrinology</i> , 2004, 18, 1210-1221.	3.7	46
46	Speciation and the establishment of zonation in an intertidal barnacle: specific settlement vs. selection*. <i>Molecular Ecology</i> , 2002, 11, 1731-1737.	3.9	20