

Kristin Tessmar-Raible

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

4,969
citations

186265

28
h-index

206112

48
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68
all docs

68
docs citations

68
times ranked

4967
citing authors

#	ARTICLE	IF	CITATIONS
1	Melanopsin elevates locomotor activity during the wake state of the diurnal zebrafish. <i>EMBO Reports</i> , 2022, 23, e51528.	4.5	8
2	Two light sensors decode moonlight versus sunlight to adjust a plastic circadian/circalunidian clock to moon phase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	17
3	The cation exchanger Letm1, circadian rhythms, and NAD(H) levels interconnect in diurnal zebrafish. <i>Life Science Alliance</i> , 2022, 5, e202101194.	2.8	2
4	Timing strains of the marine insect <i>Clunio marinus</i> diverged and persist with gene flow. <i>Molecular Ecology</i> , 2021, 30, 1264-1280.	3.9	16
5	TMT-Opsins differentially modulate medaka brain function in a context-dependent manner. <i>PLoS Biology</i> , 2021, 19, e3001012.	5.6	9
6	Characterization of cephalic and non-cephalic sensory cell types provides insight into joint photo- and mechanoreceptor evolution. <i>ELife</i> , 2021, 10, .	6.0	10
7	The Nereid on the rise: <i>Platynereis</i> as a model system. <i>EvoDevo</i> , 2021, 12, 10.	3.2	34
8	Seasonal variation in UVA light drives hormonal and behavioural changes in a marine annelid via a ciliary opsin. <i>Nature Ecology and Evolution</i> , 2021, 5, 204-218.	7.8	24
9	Characterization of tmt-opsin2 in Medaka Fish Provides Insight Into the Interplay of Light and Temperature for Behavioral Regulation. <i>Frontiers in Physiology</i> , 2021, 12, 726941.	2.8	1
10	TMT-Opsins differentially modulate medaka brain function in a context-dependent manner. , 2021, 19, e3001012.		0
11	TMT-Opsins differentially modulate medaka brain function in a context-dependent manner. , 2021, 19, e3001012.		0
12	TMT-Opsins differentially modulate medaka brain function in a context-dependent manner. , 2021, 19, e3001012.		0
13	TMT-Opsins differentially modulate medaka brain function in a context-dependent manner. , 2021, 19, e3001012.		0
14	TMT-Opsins differentially modulate medaka brain function in a context-dependent manner. , 2021, 19, e3001012.		0
15	TMT-Opsins differentially modulate medaka brain function in a context-dependent manner. , 2021, 19, e3001012.		0
16	Rhythms of behavior: are the times changingâ€™?. <i>Current Opinion in Neurobiology</i> , 2020, 60, 55-66.	4.2	28
17	The Still Dark Side of the Moon: Molecular Mechanisms of Lunar-Controlled Rhythms and Clocks. <i>Journal of Molecular Biology</i> , 2020, 432, 3525-3546.	4.2	58
18	Differential Impacts of the Head on <i>Platynereis dumerilii</i> Peripheral Circadian Rhythms. <i>Frontiers in Physiology</i> , 2019, 10, 900.	2.8	8

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19	Combined transcriptome and proteome profiling reveals specific molecular brain signatures for sex, maturation and circalunar clock phase. <i>ELife</i> , 2019, 8, .	6.0	51
20	Parents in science. <i>Genome Biology</i> , 2018, 19, 180.	8.8	1
21	Ciliary and rhabdomeric photoreceptor-cell circuits form a spectral depth gauge in marine zooplankton. <i>ELife</i> , 2018, 7, .	6.0	37
22	A Go-type opsin mediates the shadow reflex in the annelid <i>Platynereis dumerilii</i> . <i>BMC Biology</i> , 2018, 16, 41.	3.8	36
23	Virtual reality for freely moving animals. <i>Nature Methods</i> , 2017, 14, 995-1002.	19.0	213
24	An Overview of Monthly Rhythms and Clocks. <i>Frontiers in Neurology</i> , 2017, 8, 189.	2.4	75
25	Instrument design and protocol for the study of light controlled processes in aquatic organisms, and its application to examine the effect of infrared light on zebrafish. <i>PLoS ONE</i> , 2017, 12, e0172038.	2.5	13
26	The genomic basis of circadian and circalunar timing adaptations in a midge. <i>Nature</i> , 2016, 540, 69-73.	27.8	96
27	Tools for Gene-Regulatory Analyses in the Marine Annelid <i>Platynereis dumerilii</i> . <i>PLoS ONE</i> , 2014, 9, e93076.	2.5	19
28	The First Myriapod Genome Sequence Reveals Conservative Arthropod Gene Content and Genome Organisation in the Centipede <i>Strigamia maritima</i> . <i>PLoS Biology</i> , 2014, 12, e1002005.	5.6	221
29	TALENs Mediate Efficient and Heritable Mutation of Endogenous Genes in the Marine Annelid <i>Platynereis dumerilii</i> . <i>Genetics</i> , 2014, 197, 77-89.	2.9	52
30	The Cryptochrome/Photolyase Family in aquatic organisms. <i>Marine Genomics</i> , 2014, 14, 23-37.	1.1	81
31	Genetic and Genomic Tools for the Marine Annelid <i>Platynereis dumerilii</i> . <i>Genetics</i> , 2014, 197, 19-31.	2.9	63
32	<i>Platynereis dumerilii</i> . <i>Current Biology</i> , 2014, 24, R676-R677.	3.9	12
33	Circadian and Circalunar Clock Interactions and the Impact of Light in <i>Platynereis dumerilii</i> . , 2014, , 143-162.		18
34	Evolution of clitellate phaosomes from rhabdomeric photoreceptor cells of polychaetes – a study in the leech <i>Helobdella robusta</i> (Annelida, Sedentaria, Clitellata). <i>Frontiers in Zoology</i> , 2013, 10, 52.	2.0	16
35	Circadian and Circalunar Clock Interactions in a Marine Annelid. <i>Cell Reports</i> , 2013, 5, 99-113.	6.4	128
36	Stable transgenesis in the marine annelid <i>Platynereis dumerilii</i> sheds new light on photoreceptor evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 193-198.	7.1	126

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37	Co-Expression of VAL- and TMT-Opsins Uncovers Ancient Photosensory Interneurons and Motorneurons in the Vertebrate Brain. PLoS Biology, 2013, 11, e1001585.	5.6	56
38	Conditional and Specific Cell Ablation in the Marine Annelid <i>Platynereis dumerilii</i> . PLoS ONE, 2013, 8, e75811.	2.5	15
39	Another place, another timer: Marine species and the rhythms of life. BioEssays, 2011, 33, 165-172.	2.5	159
40	Three consecutive generations of nephridia occur during development of <i>Platynereis dumerilii</i> (Annelida, Polychaeta). Developmental Dynamics, 2010, 239, 1967-1976.	1.8	9
41	Profiling by Image Registration Reveals Common Origin of Annelid Mushroom Bodies and Vertebrate Pallium. Cell, 2010, 142, 800-809.	28.9	271
42	Hedgehog Signaling Regulates Segment Formation in the Annelid <i>Platynereis</i> . Science, 2010, 329, 339-342.	12.6	84
43	13-P032 Hedgehog regulates segment formation in the annelid <i>Platynereis</i> . Mechanisms of Development, 2009, 126, S204.	1.7	0
44	The evolution of nervous system centralization. , 2009, , 65-70.		0
45	The evolution of nervous system centralization. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 1523-1528.	4.0	172
46	The evolution of neurosecretory centers in bilaterian forebrains: Insights from protostomes. Seminars in Cell and Developmental Biology, 2007, 18, 492-501.	5.0	46
47	Conserved Sensory-Neurosecretory Cell Types in Annelid and Fish Forebrain: Insights into Hypothalamus Evolution. Cell, 2007, 129, 1389-1400.	28.9	344
48	The Genome of the Sea Urchin <i>Strongylocentrotus purpuratus</i> . Science, 2006, 314, 941-952.	12.6	1,018
49	Opsins and clusters of sensory G-protein-coupled receptors in the sea urchin genome. Developmental Biology, 2006, 300, 461-475.	2.0	153
50	Fluorescent two-color whole mount in situ hybridization in <i>Platynereis dumerilii</i> (Polychaeta). Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 39, 460-464.	1.8	80
51	Ancestry of Photic and Mechanic Sensation?. Science, 2005, 308, 1113-1114.	12.6	33
52	Vertebrate-Type Intron-Rich Genes in the Marine Annelid <i>Platynereis dumerilii</i> . Science, 2005, 310, 1325-1326.	12.6	244
53	Direct interaction of geminin and Six3 in eye development. Nature, 2004, 427, 745-749.	27.8	225
54	Ciliary Photoreceptors with a Vertebrate-Type Opsin in an Invertebrate Brain. Science, 2004, 306, 869-871.	12.6	391

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55	Emerging systems: between vertebrates and arthropods, the Lophotrochozoa. <i>Current Opinion in Genetics and Development</i> , 2003, 13, 331-340.	3.3	129
56	A screen for co-factors of Six3. <i>Mechanisms of Development</i> , 2002, 117, 103-113.	1.7	42