Kristin Tessmar-Raible

List of Publications by Year
in descending order

56 papers	4,969 citations	186265 28 h-index	206112 48 g-index
68 all docs	68 docs citations	68 times ranked	4967 citing authors

#	Article	IF	Citations
1	The Genome of the Sea Urchin Strongylocentrotus purpuratus. Science, 2006, 314, 941-952.	12.6	1,018
2	Ciliary Photoreceptors with a Vertebrate-Type Opsin in an Invertebrate Brain. Science, 2004, 306, 869-871.	12.6	391
3	Conserved Sensory-Neurosecretory Cell Types in Annelid and Fish Forebrain: Insights into Hypothalamus Evolution. Cell, 2007, 129, 1389-1400.	28.9	344
4	Profiling by Image Registration Reveals Common Origin of Annelid Mushroom Bodies and Vertebrate Pallium. Cell, 2010, 142, 800-809.	28.9	271
5	Vertebrate-Type Intron-Rich Genes in the Marine Annelid Platynereis dumerilii. Science, 2005, 310, 1325-1326.	12.6	244
6	Direct interaction of geminin and Six3 in eye development. Nature, 2004, 427, 745-749.	27.8	225
7	The First Myriapod Genome Sequence Reveals Conservative Arthropod Gene Content and Genome Organisation in the Centipede Strigamia maritima. PLoS Biology, 2014, 12, e1002005.	5.6	221
8	Virtual reality for freely moving animals. Nature Methods, 2017, 14, 995-1002.	19.0	213
9	The evolution of nervous system centralization. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 1523-1528.	4.0	172
10	Another place, another timer: Marine species and the rhythms of life. BioEssays, 2011, 33, 165-172.	2.5	159
11	Opsins and clusters of sensory G-protein-coupled receptors in the sea urchin genome. Developmental Biology, 2006, 300, 461-475.	2.0	153
12	Emerging systems: between vertebrates and arthropods, the Lophotrochozoa. Current Opinion in Genetics and Development, 2003, 13, 331-340.	3.3	129
13	Circadian and Circalunar Clock Interactions in a Marine Annelid. Cell Reports, 2013, 5, 99-113.	6.4	128
14	Stable transgenesis in the marine annelid Platynereis dumerilii sheds new light on photoreceptor evolution. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 193-198.	7.1	126
15	The genomic basis of circadian and circalunar timing adaptations in a midge. Nature, 2016, 540, 69-73.	27.8	96
16	Hedgehog Signaling Regulates Segment Formation in the Annelid Platynereis. Science, 2010, 329, 339-342.	12.6	84
17	The Cryptochrome/Photolyase Family in aquatic organisms. Marine Genomics, 2014, 14, 23-37.	1.1	81
18	Fluorescent two-color whole mount in situ hybridization in Platynereis dumerilii (Polychaeta,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 39, 460-464.	1.8	80

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19	An Overview of Monthly Rhythms and Clocks. Frontiers in Neurology, 2017, 8, 189.	2.4	75
20	Genetic and Genomic Tools for the Marine AnnelidPlatynereis dumerilii. Genetics, 2014, 197, 19-31.	2.9	63
21	The Still Dark Side of the Moon: Molecular Mechanisms of Lunar-Controlled Rhythms and Clocks. Journal of Molecular Biology, 2020, 432, 3525-3546.	4.2	58
22	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
23	TALENs Mediate Efficient and Heritable Mutation of Endogenous Genes in the Marine Annelid Platynereis dumerilii. Genetics, 2014, 197, 77-89.	2.9	52
24	Combined transcriptome and proteome profiling reveals specific molecular brain signatures for sex, maturation and circalunar clock phase. ELife, 2019, 8, .	6.0	51
25	The evolution of neurosecretory centers in bilaterian forebrains: Insights from protostomes. Seminars in Cell and Developmental Biology, 2007, 18, 492-501.	5.0	46
26	A screen for co-factors of Six3. Mechanisms of Development, 2002, 117, 103-113.	1.7	42
27	Ciliary and rhabdomeric photoreceptor-cell circuits form a spectral depth gauge in marine zooplankton. ELife, 2018, 7, .	6.0	37
28	A Go-type opsin mediates the shadow reflex in the annelid Platynereis dumerilii. BMC Biology, 2018, 16, 41.	3.8	36
29	The Nereid on the rise: Platynereis as a model system. EvoDevo, 2021, 12, 10.	3.2	34
30	Ancestry of Photic and Mechanic Sensation?. Science, 2005, 308, 1113-1114.	12.6	33
31	Rhythms of behavior: are the times changinâ€™?. Current Opinion in Neurobiology, 2020, 60, 55-66.	4.2	28
32	Seasonal variation in UVA light drives hormonal and behavioural changes in a marine annelid via a ciliary opsin. Nature Ecology and Evolution, 2021, 5, 204-218.	7.8	24
33	Tools for Gene-Regulatory Analyses in the Marine Annelid Platynereis dumerilii. PLoS ONE, 2014, 9, e93076.	2.5	19
34	Circadian and Circalunar Clock Interactions and the Impact of Light in Platynereis dumerilii. , 2014, , 143-162.		18
35	Two light sensors decode moonlight versus sunlight to adjust a plastic circadian/circalunidian clock to moon phase. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	17
36	Evolution of clitellate phaosomes from rhabdomeric photoreceptor cells of polychaetes â€“ a study in the leech Helobdella robusta (Annelida, Sedentaria, Clitellata). Frontiers in Zoology, 2013, 10, 52.	2.0	16

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37	Timing strains of the marine insect Clunio marinus diverged and persist with gene flow. Molecular Ecology, 2021, 30, 1264-1280.	3.9	16
38	Conditional and Specific Cell Ablation in the Marine Annelid Platynereis dumerilii. PLoS ONE, 2013, 8, e75811.	2.5	15
39	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. PLoS ONE, 2017, 12, e0172038.	2.5	13
40	Platynereis dumerilii. Current Biology, 2014, 24, R676-R677.	3.9	12
41	Characterization of cephalic and non-cephalic sensory cell types provides insight into joint photo- and mechanoreceptor evolution. ELife, 2021, 10, .	6.0	10
42	Three consecutive generations of nephridia occur during development of Platynereis dumerilii (Annelida, Polychaeta). Developmental Dynamics, 2010, 239, 1967-1976.	1.8	9
43	TMT-Opsins differentially modulate medaka brain function in a context-dependent manner. PLoS Biology, 2021, 19, e3001012.	5.6	9
44	Differential Impacts of the Head on Platynereis dumerilii Peripheral Circadian Rhythms. Frontiers in Physiology, 2019, 10, 900.	2.8	8
45	Melanopsin elevates locomotor activity during the wake state of the diurnal zebrafish. EMBO Reports, 2022, 23, e51528.	4.5	8
46	The cation exchanger Letm1, circadian rhythms, and NAD(H) levels interconnect in diurnal zebrafish. Life Science Alliance, 2022, 5, e202101194.	2.8	2
47	Parents in science. Genome Biology, 2018, 19, 180.	8.8	1
48	Characterization of tmt-opsin2 in Medaka Fish Provides Insight Into the Interplay of Light and Temperature for Behavioral Regulation. Frontiers in Physiology, 2021, 12, 726941.	2.8	1
49	13-P032 Hedgehog regulates segment formation in the annelid Platynereis. Mechanisms of Development, 2009, 126, S204.	1.7	0
50	The evolution of nervous system centralization. , 2009, , 65-70.		0
51	TMT-Opsins differentially modulate medaka brain function in a context-dependent manner. , 2021, 19, e3001012.		0
52	TMT-Opsins differentially modulate medaka brain function in a context-dependent manner. , 2021, 19, e3001012.		0
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