David A Prober

List of Publications by Year
in descending order

38 papers	3,631 citations	236925 25 h-index	302126 39 g-index
47 all docs	47 docs citations	47 times ranked	4836 citing authors

#	Article	IF	Citations
1	Zebrafish Behavioral Profiling Links Drugs to Biological Targets and Rest/Wake Regulation. Science, 2010, 327, 348-351.	12.6	681
2	Hypocretin/Orexin Overexpression Induces An Insomnia-Like Phenotype in Zebrafish. Journal of Neuroscience, 2006, 26, 13400-13410.	3.6	430
3	Inherited and De Novo Genetic Risk for Autism Impacts Shared Networks. Cell, 2019, 178, 850-866.e26.	28.9	326
4	Melatonin Is Required for the Circadian Regulation of Sleep. Neuron, 2015, 85, 1193-1199.	8.1	200
5	Mapping a multiplexed zoo of mRNA expression. Development (Cambridge), 2016, 143, 3632-3637.	2.5	198
6	Monitoring neural activity with bioluminescence during natural behavior. Nature Neuroscience, 2010, 13, 513-520.	14.8	187
7	The Jellyfish Cassiopea Exhibits a Sleep-like State. Current Biology, 2017, 27, 2984-2990.e3.	3.9	171
8	The Serotonergic Raphe Promote Sleep in Zebrafish and Mice. Neuron, 2019, 103, 686-701.e8.	8.1	160
9	Zebrafish TRPA1 Channels Are Required for Chemosensation But Not for Thermosensation or Mechanosensory Hair Cell Function. Journal of Neuroscience, 2008, 28, 10102-10110.	3.6	153
10	A large-scale in vivo analysis reveals that TALENs are significantly more mutagenic than ZFNs generated using context-dependent assembly. Nucleic Acids Research, 2013, 41, 2769-2778.	14.5	115
11	Hypocretin underlies the evolution of sleep loss in the Mexican cavefish. ELife, 2018, 7, .	6.0	102
12	Norepinephrine is required to promote wakefulness and for hypocretin-induced arousal in zebrafish. ELife, 2015, 4, e07000.	6.0	97
13	A Zebrafish Genetic Screen Identifies Neuromedin U as a Regulator of Sleep/Wake States. Neuron, 2016, 89, 842-856.	8.1	81
14	Regulation of zebrafish sleep and arousal states: current and prospective approaches. Frontiers in Neural Circuits, 2013, 7, 58.	2.8	64
15	Neuropeptide Y Regulates Sleep by Modulating Noradrenergic Signaling. Current Biology, 2017, 27, 3796-3811.e5.	3.9	61
16	TRP channel mediated neuronal activation and ablation in freely behaving zebrafish. Nature Methods, 2016, 13, 147-150.	19.0	56
17	Evolutionarily conserved regulation of hypocretin neuron specification by Lhx9. Development (Cambridge), 2015, 142, 1113-24.	2.5	55
18	Robo2 determines subtype-specific axonal projections of trigeminal sensory neurons. Development (Cambridge), 2012, 139, 591-600.	2.5	54

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19	Genetic and neuronal regulation of sleep by neuropeptide VF. ELife, 2017, 6, .	6.0	49
20	QRFP and Its Receptors Regulate Locomotor Activity and Sleep in Zebrafish. Journal of Neuroscience, 2016, 36, 1823-1840.	3.6	43
21	Light-Dependent Regulation of Sleep and Wake States by Prokineticin 2 in Zebrafish. Neuron, 2017, 95, 153-168.e6.	8.1	43
22	Gaze-Stabilizing Central Vestibular Neurons Project Asymmetrically to Extraocular Motoneuron Pools. Journal of Neuroscience, 2017, 37, 11353-11365.	3.6	41
23	Attacking sleep from a new angle: contributions from zebrafish. Current Opinion in Neurobiology, 2017, 44, 80-88.	4.2	35
24	Identification of pathways that regulate circadian rhythms using a larval zebrafish small molecule screen. Scientific Reports, 2019, 9, 12405.	3.3	31
25	Evolutionarily conserved regulation of sleep by epidermal growth factor receptor signaling. Science Advances, 2019, 5, eaax4249.	10.3	29
26	Genetic Analysis of Histamine Signaling in Larval Zebrafish Sleep. ENeuro, 2017, 4, ENEURO.0286-16.2017.	1.9	29
27	MÃ¼ller Glial Cells Participate in Retinal Waves via Glutamate Transporters and AMPA Receptors. Cell Reports, 2019, 27, 2871-2880.e2.	6.4	21
28	The Neuromodulator Adenosine Regulates Oligodendrocyte Migration at Motor Exit Point Transition Zones. Cell Reports, 2019, 27, 115-128.e5.	6.4	21
29	Evolutionarily Conserved Regulation of Sleep by the Protein Translational Regulator PERK. Current Biology, 2020, 30, 1639-1648.e3.	3.9	18
30	Macropinocytosis-mediated membrane recycling drives neural crest migration by delivering F-actin to the lamellipodium. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27400-27411.	7.1	17
31	Neuropeptide VF neurons promote sleep via the serotonergic raphe. ELife, 2020, 9, .	6.0	10
32	Morphological and Physiological Interactions Between GnRH3 and Hypocretin/Orexin Neuronal Systems in Zebrafish (Danio rerio). Endocrinology, 2016, 157, 4012-4020.	2.8	8
33	Discovery of Hypocretin/Orexin Ushers in a New Era of Sleep Research. Trends in Neurosciences, 2018, 41, 70-72.	8.6	8
34	Brain-wide perception of the emotional valence of light is regulated by distinct hypothalamic neurons. Molecular Psychiatry, 2022, 27, 3777-3793.	7.9	7
35	Large-scale Analysis of Sleep in Zebrafish. Bio-protocol, 2022, 12, e4313.	0.4	6
36	Validation of Candidate Sleep Disorder Risk Genes Using Zebrafish. Frontiers in Molecular Neuroscience, 2022, 15, 873520.	2.9	5

#	Article	IF	Citations
37	Linking immunity and sickness-induced sleep. Science, 2019, 363, 455-456.	12.6	4
38	Prokineticin receptor 2 affects GnRH3 neuron ontogeny but not fertility in zebrafish. Scientific Reports, 2020, 10, 7632.	3.3	4