Ilya Ruvinsky

List of Publications by Year
in descending order

34	1,608	394421 19	414414 32
papers	citations	h-index	g-index

36	36	36	2106
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative studies of gene expression and the evolution of gene regulation. Nature Reviews Genetics, 2012, 13, 505-516.	16.3	399
2	Evolution of Mouse T-box Genes by Tandem Duplication and Cluster Dispersion. Genetics, 1996, 144, 249-254.	2.9	173
3	Detecting heterozygosity in shotgun genome assemblies: Lessons from obligately outcrossing nematodes. Genome Research, 2009, 19, 470-480.	5.5	84
4	tbx20 , a new vertebrate T-box gene expressed in the cranial motor neurons and developing cardiovascular structures in zebrafish. Mechanisms of Development, 2000, 95, 253-258.	1.7	80
5	Phylogenetic Relationships among Bufonoid Frogs (Anura: Neobatrachia) Inferred from Mitochondrial DNA Sequences. Molecular Phylogenetics and Evolution, 1996, 5, 533-547.	2.7	77
6	Characterization of the zebrafish tbx16 gene and evolution of the vertebrate T-box family. Development Genes and Evolution, 1998, 208, 94-99.	0.9	65
7	Sexually Antagonistic Male Signals Manipulate Germline and Soma of C.Âelegans Hermaphrodites. Current Biology, 2016, 26, 2827-2833.	3.9	64
8	Conservation of linkage and evolution of developmental function within the Tbx2/3/4/5 subfamily of T-box genes: implications for the origin of vertebrate limbs. Development Genes and Evolution, 2008, 218, 613-628.	0.9	60
9	Tempo and Mode in Evolution of Transcriptional Regulation. PLoS Genetics, 2012, 8, e1002432.	3.5	60
10	Phylogenetic Analysis of T-Box Genes Demonstrates the Importance of Amphioxus for Understanding Evolution of the Vertebrate Genome. Genetics, 2000, 156, 1249-1257.	2.9	60
11	Newly Identified Paralogous Groups on Mouse Chromosomes 5 and 11 Reveal the Age of a T-Box Cluster Duplication. Genomics, 1997, 40, 262-266.	2.9	44
12	Counteracting Ascarosides Act through Distinct Neurons to Determine the Sexual Identity of C.Âelegans Pheromones. Current Biology, 2017, 27, 2589-2599.e3.	3.9	43
13	An excreted small molecule promotes C. elegans reproductive development and aging. Nature Chemical Biology, 2019, 15, 838-845.	8.0	41
14	Detection of broadly expressed neuronal genes in C. elegans. Developmental Biology, 2007, 302, 617-626.	2.0	34
15	Macro-level Modeling of the Response of C. elegans Reproduction to Chronic Heat Stress. PLoS Computational Biology, 2012, 8, e1002338.	3.2	33
16	Sex Pheromones of C. elegans Males Prime the Female Reproductive System and Ameliorate the Effects of Heat Stress. PLoS Genetics, 2015, 11, e1005729.	3.5	32
17	A primer on pheromone signaling in Caenorhabditis elegans for systems biologists. Current Opinion in Systems Biology, 2019, 13, 23-30.	2.6	31
18	Balanced Trade-Offs between Alternative Strategies Shape the Response of C. elegans Reproduction to Chronic Heat Stress. PLoS ONE, 2014, 9, e105513.	2.5	31

#	Article	IF	Citations
19	Coordinated Behavioral and Physiological Responses to a Social Signal Are Regulated by a Shared Neuronal Circuit. Current Biology, 2019, 29, 4108-4115.e4.	3.9	28
20	Distinct Functional Constraints Partition Sequence Conservation in a cis-Regulatory Element. PLoS Genetics, 2011, 7, e1002095.	3.5	25
21	Pervasive Divergence of Transcriptional Gene Regulation in Caenorhabditis Nematodes. PLoS Genetics, 2014, 10, e1004435.	3.5	25
22	Dynamic Regulation of Adult-Specific Functions of the Nervous System by Signaling from the Reproductive System. Current Biology, 2019, 29, 4116-4123.e3.	3.9	24
23	Experience Modulates the Reproductive Response to Heat Stress in C. elegans via Multiple Physiological Processes. PLoS ONE, 2015, 10, e0145925.	2.5	23
24	A male pheromone that improves the quality of the oogenic germline. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2015576119.	7.1	15
25	Genetics analysis of mouse mutations Abnormal feet and tail and rough coat, which cause developmental abnormalities and alopecia. Mammalian Genome, 2002, 13, 675-679.	2.2	11
26	Phylum-Level Conservation of Regulatory Information in Nematodes despite Extensive Non-coding Sequence Divergence. PLoS Genetics, 2015, 11, e1005268.	3.5	11
27	Inferring temporal organization of postembryonic development from high-content behavioral tracking. Developmental Biology, 2021, 475, 54-64.	2.0	11
28	Computational prediction of Caenorhabditis box H/ACA snoRNAs using genomic properties of their host genes. Rna, 2010, 16, 290-298.	3.5	7
29	Functional Conservation of Cis-Regulatory Elements of Heat-Shock Genes over Long Evolutionary Distances. PLoS ONE, 2011, 6, e22677.	2.5	6
30	Family Size and Turnover Rates among Several Classes of Small Nonâ€“Protein-Coding RNA Genes in Caenorhabditis Nematodes. Genome Biology and Evolution, 2012, 4, 565-574.	2.5	5
31	Evidence That Purifying Selection Acts on Promoter Sequences. Genetics, 2011, 189, 1121-1126.	2.9	3
32	The roles of several sensory neurons and the feedback from egg laying in regulating the germline response to a sex pheromone in hermaphrodites.. MicroPublication Biology, 2022, 2022, .	0.1	1
33	Comparing nematode enhancers: conservation, divergence, and coâ€evolution. FASEB Journal, 2010, 24, 902.4.	0.5	0
34	ODR-1 acts in AWB neurons to determine the sexual identity of pheromone blends.. MicroPublication Biology, 2022, 2022, .	0.1	0