Patrick T Mcgrath

List of Publications by Year
in descending order

42	2,525	279798	345221
papers	citations	23 h-index	36 g-index

56	56	56	2589
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genome-enabled discovery of evolutionary divergence in brains and behavior. Scientific Reports, 2021, 11, 13016.	3.3	5
2	From QTL to gene: C. elegans facilitates discoveries of the genetic mechanisms underlying natural variation. Trends in Genetics, 2021, 37, 933-947.	6.7	37
3	Quantitative benzimidazole resistance and fitness effects of parasitic nematode beta-tubulin alleles. International Journal for Parasitology: Drugs and Drug Resistance, 2020, 14, 28-36.	3.4	47
4	Automatic Classification of Cichlid Behaviors Using 3D Convolutional Residual Networks. IScience, 2020, 23, 101591.	4.1	12
5	Automated measurement of long-term bower behaviors in Lake Malawi cichlids using depth sensing and action recognition. Scientific Reports, 2020, 10, 20573.	3.3	5
6	AÂspontaneous complex structural variant in rcan-1 increases exploratory behavior and laboratory fitness of Caenorhabditis elegans. PLoS Genetics, 2020, 16, e1008606.	3.5	9
7	Title is missing!. , 2020, 16, e1008606.		0
8	Title is missing!. , 2020, 16, e1008606.		0
9	Title is missing!. , 2020, 16, e1008606.		0
10	Title is missing!. , 2020, 16, e1008606.		0
11	Title is missing!. , 2020, 16, e1008606.		0
12	Title is missing!. , 2020, 16, e1008606.		0
13	Natural Variation and Genetic Determinants of Caenorhabditis elegans Sperm Size. Genetics, 2019, 213, 615-632.	2.9	19
14	A primer on pheromone signaling in Caenorhabditis elegans for systems biologists. Current Opinion in Systems Biology, 2019, 13, 23-30.	2.6	31
15	Evolution of Yin and Yang isoforms of a chromatin remodeling subunit precedes the creation of two genes. ELife, 2019, 8, .	6.0	5
16	Behavior-dependent cis regulation reveals genes and pathways associated with bower building in cichlid fishes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11081-E11090.	7.1	42
17	Extreme allelic heterogeneity at a Caenorhabditis elegans beta-tubulin locus explains natural resistance to benzimidazoles. PLoS Pathogens, 2018, 14, e1007226.	4.7	97
18	Genome-wide protein phylogenies for four African cichlid species. BMC Evolutionary Biology, 2018, 18, 1.	3.2	116

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19	Analysis of Epistasis in Natural Traits Using Model Organisms. Trends in Genetics, 2018, 34, 883-898.	6.7	28
20	Changes to social feeding behaviors are not sufficient for fitness gains of the Caenorhabditis elegans N2 reference strain. ELife, 2018, 7, .	6.0	38
21	Microfluidic platform with spatiotemporally controlled micro-environment for studying long-term C. elegans developmental arrests. Lab on A Chip, 2017, 17, 1826-1833.	6.0	10
22	Correlations of Genotype with Climate Parameters Suggest Caenorhabditis elegans Niche Adaptations. G3: Genes, Genomes, Genetics, 2017, 7, 289-298.	1.8	26
23	A genetic cause of age-related decline. Nature, 2017, 551, 179-180.	27.8	2
24	Applying gene regulatory network logic to the evolution of social behavior. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5886-5893.	7.1	25
25	Modeling of a negative feedback mechanism explains antagonistic pleiotropy in reproduction in domesticated Caenorhabditis elegans strains. PLoS Genetics, 2017, 13, e1006769.	3.5	19
26	Deep phenotyping unveils hidden traits and genetic relations in subtle mutants. Nature Communications, 2016, 7, 12990.	12.8	37
27	Balancing selection shapes density-dependent foraging behaviour. Nature, 2016, 539, 254-258.	27.8	132
28	Selection on a Subunit of the NURF Chromatin Remodeler Modifies Life History Traits in a Domesticated Strain of Caenorhabditis elegans. PLoS Genetics, 2016, 12, e1006219.	3.5	50
29	Regulatory changes in two chemoreceptor genes contribute to a Caenorhabditis elegans QTL for foraging behavior. ELife, 2016, 5, .	6.0	63
30	A high-throughput device for size based separation of C. elegans developmental stages. Lab on A Chip, 2014, 14, 1746-1752.	6.0	46
31	Varieties of behavioral natural variation. Current Opinion in Neurobiology, 2013, 23, 24-28.	4.2	6
32	Characterizing cDNA Ends by Circular RACE. Methods in Molecular Biology, 2012, 772, 257-265.	0.9	7
33	Parallel evolution of domesticated Caenorhabditis species targets pheromone receptor genes. Nature, 2011, 477, 321-325.	27.8	225
34	Quantitative Mapping of a Digenic Behavioral Trait Implicates Globin Variation in C. elegans Sensory Behaviors. Neuron, 2009, 61, 692-699.	8.1	219
35	Small nonâ€coding RNAs in Caulobacter crescentus. Molecular Microbiology, 2008, 68, 600-614.	2.5	105
36	High-throughput identification of transcription start sites, conserved promoter motifs and predicted regulons. Nature Biotechnology, 2007, 25, 584-592.	17.5	145

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37	A Dynamically Localized Protease Complex and a Polar Specificity Factor Control a Cell Cycle Master Regulator. Cell, 2006, 124, 535-547.	28.9	154
38	Cytokinesis signals truncation of the PodJ polarity factor by a cell cycle-regulated protease. EMBO Journal, 2006, 25, 377-386.	7.8	71
39	A phospho-signaling pathway controls the localization and activity of a protease complex critical for bacterial cell cycle progression. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10935-10940.	7.1	184
40	Conserved modular design of an oxygen sensory/signaling network with species-specific output. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8018-8023.	7.1	80
41	Rapid and sequential movement of individual chromosomal loci to specific subcellular locations during bacterial DNA replication. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 9257-9262.	7.1	388
42	Setting the pace: mechanisms tying Caulobacter cell-cycle progression to macroscopic cellular events. Current Opinion in Microbiology, 2004, 7, 192-197.	5.1	23