Tetsutaro Hayashi

List of Publications by Year
in descending order

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37 papers	2,940 citations	279798 23 h-index	315739 38 g-index
45 all docs	45 docs citations	45 times ranked	4061 citing authors

#	Article	IF	Citations
1	Loss of plac8 expression rapidly leads pluripotent stem cells to enter active state during planarian regeneration. Development (Cambridge), 2022, 149, .	2.5	5
2	Enhanced transcriptional heterogeneity mediated by NF-ÎºB super-enhancers. PLoS Genetics, 2022, 18, e1010235.	3.5	7
3	Derepression of inflammation-related genes link to microglia activation and neural maturation defect in a mouse model of Kleefstra syndrome. IScience, 2021, 24, 102741.	4.1	5
4	Tracing the origin of hair follicle stem cells. Nature, 2021, 594, 547-552.	27.8	62
5	Singleâ€oocyte transcriptome analysis reveals agingâ€associated effects influenced by life stage and calorie restriction. Aging Cell, 2021, 20, e13428.	6.7	22
6	The Number of Transcription Factors at an Enhancer Determines Switch-like Gene Expression. Cell Reports, 2020, 31, 107724.	6.4	25
7	Genome-wide kinetic properties of transcriptional bursting in mouse embryonic stem cells. Science Advances, 2020, 6, eaaz6699.	10.3	66
8	An NMF-based approach to discover overlooked differentially expressed gene regions from single-cell RNA-seq data. NAR Genomics and Bioinformatics, 2020, 2, lqz020.	3.2	5
9	Millefy: visualizing cell-to-cell heterogeneity in read coverage of single-cell RNA sequencing datasets. BMC Genomics, 2020, 21, 177.	2.8	5
10	Benchmarking single-cell RNA-sequencing protocols for cell atlas projects. Nature Biotechnology, 2020, 38, 747-755.	17.5	313
11	The pharyngeal nervous system orchestrates feeding behavior in planarians. Science Advances, 2020, 6, eaaz0882.	10.3	8
12	Strategies for Converting RNA to Amplifiable cDNA for Single-Cell RNA Sequencing Methods. Advances in Experimental Medicine and Biology, 2019, 1129, 1-17.	1.6	6
13	Cell typeâ€specific transcriptome analysis unveils secreted signaling molecule genes expressed in apical epithelial cap during appendage regeneration. Development Growth and Differentiation, 2019, 61, 447-456.	1.5	9
14	Calcium ions in the aquatic environment drive planarians to food. Zoological Letters, 2019, 5, 31.	1.3	12
15	Single-cell full-length total RNA sequencing uncovers dynamics of recursive splicing and enhancer RNAs. Nature Communications, 2018, 9, 619.	12.8	192
16	Chromatin remodeler CHD7 regulates the stem cell identity of human neural progenitors. Genes and Development, 2018, 32, 165-180.	5.9	28
17	Quartz-Seq2: a high-throughput single-cell RNA-sequencing method that effectively uses limited sequence reads. Genome Biology, 2018, 19, 29.	8.8	101
18	A Subtractive FACS Method for Isolation of Planarian Stem Cells and Neural Cells. Methods in Molecular Biology, 2018, 1774, 467-478.	0.9	7

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19	SCODE: an efficient regulatory network inference algorithm from single-cell RNA-Seq during differentiation. Bioinformatics, 2017, 33, 2314-2321.	4.1	297
20	The ancestral gene repertoire of animal stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E7093-100.	7.1	88
21	Unusually Large Number of Mutations in Asexually Reproducing Clonal Planarian Dugesia japonica. PLoS ONE, 2015, 10, e0143525.	2.5	41
22	Quartz-Seq: a highly reproducible and sensitive single-cell RNA sequencing method, reveals non-genetic gene-expression heterogeneity. Genome Biology, 2013, 14, R31.	8.8	378
23	Muscle and connective tissue progenitor populations show distinct Twist1 and Twist3 expression profiles during axolotl limb regeneration. Developmental Biology, 2013, 373, 196-204.	2.0	18
24	A Unique FACS Method to Isolate Stem Cells in Planarian. Methods in Molecular Biology, 2012, 879, 29-37.	0.9	4
25	Comprehensive gene expression analyses in pluripotent stem cells of a planarian, Dugesia japonica. International Journal of Developmental Biology, 2012, 56, 93-102.	0.6	47
26	The planarian P2X homolog in the regulation of asexual reproduction. International Journal of Developmental Biology, 2012, 56, 173-182.	0.6	29
27	A LIM-homeobox gene is required for differentiation of Wnt-expressing cells at the posterior end of the planarian body. Development (Cambridge), 2011, 138, 3679-3688.	2.5	50
28	Singleâ€cell gene profiling of planarian stem cells using fluorescent activated cell sorting and its â€œindex sortingâ€•function for stem cell research. Development Growth and Differentiation, 2010, 52, 131-144.	1.5	106
29	Planarian Hedgehog/Patched establishes anteriorâ€“posterior polarity by regulating Wnt signaling. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22329-22334.	7.1	146
30	Expression and functional analysis of musashi-like genes in planarian CNS regeneration. Mechanisms of Development, 2008, 125, 631-645.	1.7	36
31	The mRNA-like noncoding RNA Gomafu constitutes a novel nuclear domain in a subset of neurons. Journal of Cell Science, 2007, 120, 2498-2506.	2.0	288
32	Clathrin-mediated endocytic signals are required for the regeneration of,as well as homeostasis in, the planarian CNS. Development (Cambridge), 2007, 134, 1679-1689.	2.5	50
33	Characterization and categorization of fluorescence activated cell sorted planarian stem cells by ultrastructural analysis. Development Growth and Differentiation, 2007, 49, 571-581.	1.5	66
34	Isolation of planarian X-ray-sensitive stem cells by fluorescence-activated cell sorting. Development Growth and Differentiation, 2006, 48, 371-380.	1.5	229
35	Isolation of the choanocyte in the fresh water sponge, Ephydatia fluviatilis and its lineage marker, Ef annexin. Development Growth and Differentiation, 2005, 47, 243-253.	1.5	59
36	Cultivation and Characterization of Planarian Neuronal Cells Isolated by Fluorescence Activated Cell Sorting (FACS). Zoological Science, 2002, 19, 1257-1265.	0.7	26

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37	Planarian fibroblast growth factor receptor homologs expressed in stem cells and cephalic ganglions. Development Growth and Differentiation, 2002, 44, 191-204.	1.5	71