Yi-Hsien Su

List of Publications by Year
in descending order

46 papers	2,201 citations	471371 17 h-index	330025 37 g-index
50 all docs	50 docs citations	50 times ranked	2318 citing authors

#	Article	IF	Citations
1	The Genome of the Sea Urchin Strongylocentrotus purpuratus. Science, 2006, 314, 941-952.	6.0	1,018
2	Hemichordate genomes and deuterostome origins. Nature, 2015, 527, 459-465.	13.7	217
3	A perturbation model of the gene regulatory network for oral and aboral ectoderm specification in the sea urchin embryo. Developmental Biology, 2009, 329, 410-421.	0.9	100
4	Opposing Nodal and BMP Signals Regulate Leftâ€“Right Asymmetry in the Sea Urchin Larva. PLoS Biology, 2012, 10, e1001402.	2.6	98
5	Cis-regulatory control of the nodal gene, initiator of the sea urchin oral ectoderm gene network. Developmental Biology, 2007, 306, 860-869.	0.9	78
6	Genome editing in sea urchin embryos by using a CRISPR/Cas9 system. Developmental Biology, 2016, 409, 420-428.	0.9	68
7	Asymmetric localization of germline markers Vasa and Nanos during early development in the amphioxus Branchiostoma floridae. Developmental Biology, 2011, 353, 147-159.	0.9	66
8	Gene regulatory control in the sea urchin aboral ectoderm: Spatial initiation, signaling inputs, and cell fate lockdown. Developmental Biology, 2013, 374, 245-254.	0.9	61
9	Logics and properties of a genetic regulatory program that drives embryonic muscle development in an echinoderm. ELife, 2015, 4, .	2.8	47
10	Identification of an intact ParaHox cluster with temporal colinearity but altered spatial colinearity in the hemichordate Ptychodera flava. BMC Evolutionary Biology, 2013, 13, 129.	3.2	37
11	Evolution of extreme stomach pH in bilateria inferred from gastric alkalization mechanisms in basal deuterostomes. Scientific Reports, 2015, 5, 10421.	1.6	34
12	On a possible evolutionary link of the stomochord of hemichordates to pharyngeal organs of chordates. Genesis, 2014, 52, 925-934.	0.8	32
13	Molecular Characterization of a Novel Intracellular ADP-Ribosyl Cyclase. PLoS ONE, 2007, 2, e797.	1.1	29
14	MicroRNAs support the monophyly of enteropneust hemichordates. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2013, 320, 368-374.	0.6	24
15	The dynamic gene expression patterns of transcription factors constituting the sea urchin aboral ectoderm gene regulatory network. Developmental Dynamics, 2011, 240, 250-260.	0.8	23
16	Reproductive periodicity, spawning induction, and larval metamorphosis of the hemichordate acorn worm Ptychodera flava. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2016, 326, 47-60.	0.6	22
17	Redox regulation of development and regeneration. Current Opinion in Genetics and Development, 2019, 57, 9-15.	1.5	22
18	Telling left from right: Leftâ€“right asymmetric controls in sea urchins. Genesis, 2014, 52, 269-278.	0.8	20

#	Article	IF	Citations
19	Asymmetric distribution of hypoxia-inducible factor Î± regulates dorsoventral axis in the early sea urchin embryo. Development (Cambridge), 2017, 144, 2940-2950.	1.2	19
20	BMP controls dorsoventral and neural patterning in indirect-developing hemichordates providing insight into a possible origin of chordates. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12925-12932.	3.3	18
21	Sequencing and analysis of the transcriptome of the acorn worm Ptychodera flava, an indirect developing hemichordate. Marine Genomics, 2014, 15, 35-43.	0.4	16
22	Genetic Reprogramming of Positional Memory in a Regenerating Appendage. Current Biology, 2019, 29, 4193-4207.e4.	1.8	16
23	Variability in larval gut pH regulation defines sensitivity to ocean acidification in six species of the Ambulacraria superphylum. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171066.	1.2	15
24	Gene regulatory networks for ectoderm specification in sea urchin embryos. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2009, 1789, 261-267.	0.9	14
25	Regulatory circuit rewiring and functional divergence of the duplicate admp genes in dorsoventral axial patterning. Developmental Biology, 2016, 410, 108-118.	0.9	14
26	CRISPR/Cas9-mediated genome editing in sea urchins. Methods in Cell Biology, 2019, 151, 305-321.	0.5	14
27	Recent advances in functional perturbation and genome editing techniques in studying sea urchin development. Briefings in Functional Genomics, 2017, 16, 309-318.	1.3	11
28	Reiterative use of FGF signaling in mesoderm development during embryogenesis and metamorphosis in the hemichordate Ptychodera flava. BMC Evolutionary Biology, 2018, 18, 120.	3.2	11
29	A New Copepod With Transformed Body Plan and Unique Phylogenetic Position Parasitic in the Acorn Worm Ptychodera flava. Biological Bulletin, 2014, 226, 69-80.	0.7	10
30	Gain of gene regulatory network interconnectivity at the origin of vertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2114802119.	3.3	9
31	Getting a Head with Ptychodera flava Larval Regeneration. Biological Bulletin, 2018, 234, 152-164.	0.7	7
32	FGF signaling repertoire of the indirect developing hemichordate Ptychodera flava. Marine Genomics, 2015, 24, 167-175.	0.4	6
33	Methods to label, isolate, and image sea urchin small micromeres, the primordial germ cells (PGCs). Methods in Cell Biology, 2019, 150, 269-292.	0.5	6
34	Evidence for BMPâ€mediated specification of primordial germ cells in an indirectâ€developing hemichordate. Evolution & Development, 2021, 23, 28-45.	1.1	5
35	Molecular asymmetry in the cephalochordate embryo revealed by single-blastomere transcriptome profiling. PLoS Genetics, 2020, 16, e1009294.	1.5	4
36	EvoDevo: Changes in developmental controls underlying the evolution of animal body plans. Developmental Biology, 2017, 427, 177-178.	0.9	1

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37	Cisâ€regulatory control of the nodal gene, initiator of the sea urchin oral ectoderm gene network. FASEB Journal, 2008, 22, 521.5.	0.2	1
38	Zygotic hypoxia-inducible factor alpha regulates spicule elongation in the sea urchin embryo. Developmental Biology, 2022, 484, 63-74.	0.9	1
39	Editorial: EvoDevo research in Asia. Evolution & Development, 2020, 22, 407-408.	1.1	0
40	Dorsal-ventral axis formation in sea urchin embryos. Current Topics in Developmental Biology, 2022, 146, 183-210.	1.0	0
41	Title is missing!. , 2020, 16, e1009294.		0
42	Title is missing!. , 2020, 16, e1009294.		0
43	Title is missing!. , 2020, 16, e1009294.		0
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