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	Dorsal-ventral axis formation in sea urchin embryos. Current Topics in Developmental Biology, 2022, 146, 183-210.	1.0	0
2	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
3	Zygotic hypoxia-inducible factor alpha regulates spicule elongation in the sea urchin embryo. Developmental Biology, 2022, 484, 63-74.	0.9	1
4	Evidence for BMPâ€mediated specification of primordial germ cells in an indirectâ€developing hemichordate. Evolution & Development, 2021, 23, 28-45.	1.1	5
5	Editorial: EvoDevo research in Asia. Evolution & Development, 2020, 22, 407-408.	1.1	0
6	Molecular asymmetry in the cephalochordate embryo revealed by single-blastomere transcriptome profiling. PLoS Genetics, 2020, 16, e1009294.	1.5	4
7	Title is missing!. , 2020, 16, e1009294.		0
8	Title is missing!. , 2020, 16, e1009294.		0
9	Title is missing!. , 2020, 16, e1009294.		0
10	Title is missing!. , 2020, 16, e1009294.		0
11	Title is missing!. , 2020, 16, e1009294.		0
12	Title is missing!. , 2020, 16, e1009294.		0
13	Redox regulation of development and regeneration. Current Opinion in Genetics and Development, 2019, 57, 9-15.	1.5	22
14	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
15	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
16	Genetic Reprogramming of Positional Memory in a Regenerating Appendage. Current Biology, 2019, 29, 4193-4207.e4.	1.8	16
17	CRISPR/Cas9-mediated genome editing in sea urchins. Methods in Cell Biology, 2019, 151, 305-321.	0.5	14
18	Getting a Head with Ptychodera flava Larval Regeneration. Biological Bulletin, 2018, 234, 152-164.	0.7	7

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19	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
20	EvoDevo: Changes in developmental controls underlying the evolution of animal body plans. Developmental Biology, 2017, 427, 177-178.	0.9	1
21	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
22	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
23	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
24	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
25	Genome editing in sea urchin embryos by using a CRISPR/Cas9 system. Developmental Biology, 2016, 409, 420-428.	0.9	68
26	Regulatory circuit rewiring and functional divergence of the duplicate admp genes in dorsoventral axial patterning. Developmental Biology, 2016, 410, 108-118.	0.9	14
27	Evolution of extreme stomach pH in bilateria inferred from gastric alkalization mechanisms in basal deuterostomes. Scientific Reports, 2015, 5, 10421.	1.6	34
28	FGF signaling repertoire of the indirect developing hemichordate Ptychodera flava. Marine Genomics, 2015, 24, 167-175.	0.4	6
29	Hemichordate genomes and deuterostome origins. Nature, 2015, 527, 459-465.	13.7	217
30	Logics and properties of a genetic regulatory program that drives embryonic muscle development in an echinoderm. ELife, 2015, 4, .	2.8	47
31	On a possible evolutionary link of the stomochord of hemichordates to pharyngeal organs of chordates. Genesis, 2014, 52, 925-934.	0.8	32
32	Telling left from right: Leftâ€•right asymmetric controls in sea urchins. Genesis, 2014, 52, 269-278.	0.8	20
33	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
34	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
35	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
36	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

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37	MicroRNAs support the monophyly of enteropneust hemichordates. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2013, 320, 368-374.	0.6	24
38	Opposing Nodal and BMP Signals Regulate Leftâ€“Right Asymmetry in the Sea Urchin Larva. PLoS Biology, 2012, 10, e1001402.	2.6	98
39	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
40	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
41	Gene regulatory networks for ectoderm specification in sea urchin embryos. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2009, 1789, 261-267.	0.9	14
42	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
43	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
44	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
45	Molecular Characterization of a Novel Intracellular ADP-Ribosyl Cyclase. PLoS ONE, 2007, 2, e797.	1.1	29
46	The Genome of the Sea Urchin Strongylocentrotus purpuratus. Science, 2006, 314, 941-952.	6.0	1,018