Shunsuke Yaguchi

List of Publications by Year
in descending order

50 papers	2,743 citations	331670 21 h-index	233421 45 g-index
51 all docs	51 docs citations	51 times ranked	2293 citing authors

#	Article	IF	Citations
1	<i>Temnopleurus reevesii</i> as a new sea urchin model in genetics. Development Growth and Differentiation, 2022, 64, 59-66.	1.5	5
2	Planktonic sea urchin larvae change their swimming direction in response to strong photoirradiation. PLoS Genetics, 2022, 18, e1010033.	3.5	11
3	<scp>TrBase</scp>: A genome and transcriptome database of <i>Temnopleurus reevesii</i>. Development Growth and Differentiation, 2022, 64, 210-218.	1.5	5
4	Marine genomics, transcriptomics, and beyond in developmental, cell, and evolutionary biology. Development Growth and Differentiation, 2022, 64, 196-197.	1.5	0
5	Neural anatomy of echinoid early juveniles and comparison of nervous system organization in echinoderms. Journal of Comparative Neurology, 2021, 529, 1135-1156.	1.6	18
6	Human disease-associated extracellular matrix orthologs ECM3 and QBRICK regulate primary mesenchymal cell migration in sea urchin embryos. Experimental Animals, 2021, 70, 378-386.	1.1	3
7	Sea urchin larvae utilize light for regulating the pyloric opening. BMC Biology, 2021, 19, 64.	3.8	17
8	Echinoderms. , 2021, , 335-339.		2
9	Usage of the Sea Urchin Hemicentrotus pulcherrimus Database, HpBase. Methods in Molecular Biology, 2021, 2219, 267-275.	0.9	0
10	Direct TGF â€ÃŸ signaling via alk4/5/7 pathway is involved in gut bending in sea urchin embryos. Developmental Dynamics, 2021, , .	1.8	1
11	Establishment of homozygous knock-out sea urchins. Current Biology, 2020, 30, R427-R429.	3.9	24
12	<i>cis</i>â€Regulatory analysis for later phase of anterior neuroectodermâ€specific <i>foxQ2</i> expression in sea urchin embryos. Genesis, 2019, 57, e23302.	1.6	2
13	Evolution of nitric oxide regulation of gut function. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5607-5612.	7.1	16
14	Whole mount in situ hybridization techniques for analysis of the spatial distribution of mRNAs in sea urchin embryos and early larvae. Methods in Cell Biology, 2019, 151, 177-196.	1.1	7
15	Analysis of neural activity with fluorescent protein biosensors. Methods in Cell Biology, 2019, 151, 519-526.	1.1	0
16	Temnopleurus as an emerging echinoderm model. Methods in Cell Biology, 2019, 150, 71-79.	1.1	4
17	HpBase: A genome database of a sea urchin, <i>Hemicentrotus pulcherrimus</i>. Development Growth and Differentiation, 2018, 60, 174-182.	1.5	39
18	Meis transcription factor maintains the neurogenic ectoderm and regulates the anterior-posterior patterning in embryos of a sea urchin, Hemicentrotus pulcherrimus. Developmental Biology, 2018, 444, 1-8.	2.0	7

#	Article	IF	Citations
19	<scp>Transforming growth factor</scp>â€Î² signal regulates gut bending in the sea urchin embryo. Development Growth and Differentiation, 2018, 60, 216-225.	1.5	7
20	Troponin-I is present as an essential component of muscles in echinoderm larvae. Scientific Reports, 2017, 7, 43563.	3.3	12
21	Calaxin establishes basal body orientation and coordinates movement of monocilia in sea urchin embryos. Scientific Reports, 2017, 7, 10751.	3.3	12
22	Cooperative Wnt-Nodal Signals Regulate the Patterning of Anterior Neuroectoderm. PLoS Genetics, 2016, 12, e1006001.	3.5	36
23	Bicaudal-C is required for the formation of anterior neurogenic ectoderm in the sea urchin embryo. Scientific Reports, 2015, 4, 6852.	3.3	7
24	Early development and neurogenesis of <i>Temnopleurus reevesii</i>. Development Growth and Differentiation, 2015, 57, 242-250.	1.5	9
25	Imaging Neural Development in Embryonic and Larval Sea Urchins. Methods in Molecular Biology, 2014, 1128, 147-160.	0.9	6
26	Glutathione transferase theta in apical ciliary tuft regulates mechanical reception and swimming behavior of Sea Urchin Embryos. Cytoskeleton, 2013, 70, 453-470.	2.0	7
27	Lynne M. Angerer: An originator of RNA in situ hybridization. Molecular Reproduction and Development, 2013, 80, Fm i.	2.0	0
28	Zinc finger homeobox is required for the differentiation of serotonergic neurons in the sea urchin embryo. Developmental Biology, 2012, 363, 74-83.	2.0	33
29	The Conserved Rieske Oxygenase DAF-36/Neverland Is a Novel Cholesterol-metabolizing Enzyme. Journal of Biological Chemistry, 2011, 286, 25756-25762.	3.4	144
30	Fez function is required to maintain the size of the animal plate in the sea urchin embryo. Development (Cambridge), 2011, 138, 4233-4243.	2.5	37
31	The evolution of nervous system patterning: insights from sea urchin development. Development (Cambridge), 2011, 138, 3613-3623.	2.5	102
32	Spatiotemporal expression pattern of an encephalopsin orthologue of the sea urchin <i>HemicentrotusÂpulcherrimus</i> during early development, and its potential role in larval vertical migration. Development Growth and Differentiation, 2010, 52, 195-207.	1.5	22
33	Development of a dopaminergic system in sea urchin embryos and larvae. Journal of Experimental Biology, 2010, 213, 2808-2819.	1.7	33
34	TGFÎ² signaling positions the ciliary band and patterns neurons in the sea urchin embryo. Developmental Biology, 2010, 347, 71-81.	2.0	75
35	ankAT-1 is a novel gene mediating the apical tuft formation in the sea urchin embryo. Developmental Biology, 2010, 348, 67-75.	2.0	35
36	Excision and Transposition Activity of Tc1/<i>mariner</i>Superfamily Transposons in Sea Urchin Embryos. Zoological Science, 2010, 27, 256-262.	0.7	3

#	ARTICLE	IF	CITATIONS
37	The sea urchin animal pole domain is a Six3-dependent neurogenic patterning center. Development (Cambridge), 2009, 136, 1179-1189.	2.5	100
38	The sea urchin animal pole domain is a Six3-dependent neurogenic patterning center. Development (Cambridge), 2009, 136, 1583-1583.	2.5	9
39	A Wnt-FoxQ2-Nodal Pathway Links Primary and Secondary Axis Specification in Sea Urchin Embryos. Developmental Cell, 2008, 14, 97-107.	7.0	125
40	Serotonin stimulates [Ca2+]i elevation in ciliary ectodermal cells of echinoplutei through a serotonin receptor cell network in the blastocoel. Journal of Experimental Biology, 2007, 210, 403-412.	1.7	28
41	Sp-Smad2/3 mediates patterning of neurogenic ectoderm by nodal in the sea urchin embryo. Developmental Biology, 2007, 302, 494-503.	2.0	46
42	A global view of gene expression in lithium and zinc treated sea urchin embryos: new components of gene regulatory networks. Genome Biology, 2007, 8, R85.	9.6	84
43	The Genome of the Sea Urchin <i>Strongylocentrotus purpuratus</i>. Science, 2006, 314, 941-952.	12.6	1,018
44	A genomic view of the sea urchin nervous system. Developmental Biology, 2006, 300, 434-460.	2.0	260
45	Embryonic expression of engrailed in sea urchins. Gene Expression Patterns, 2006, 6, 566-571.	0.8	4
46	Neuron-specific expression of a synaptotagmin gene in the sea urchinStrongylocentrotus purpuratus. Journal of Comparative Neurology, 2006, 496, 244-251.	1.6	76
47	Specification of ectoderm restricts the size of the animal plate and patterns neurogenesis in sea urchin embryos. Development (Cambridge), 2006, 133, 2337-2346.	2.5	87
48	The 5-HT receptor cell is a new member of secondary mesenchyme cell descendants and forms a major blastocoelar network in sea urchin larvae. Mechanisms of Development, 2004, 121, 325-337.	1.7	42
49	Expression oftryptophan 5-hydroxylase gene during sea urchin neurogenesis and role of serotonergic nervous system in larval behavior. Journal of Comparative Neurology, 2003, 466, 219-229.	1.6	85
50	Initial analysis of immunochemical cell surface properties, location and formation of the serotonergic apical ganglion in sea urchin embryos. Development Growth and Differentiation, 2000, 42, 479-488.	1.5	37