

Stefan C Materna

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,961
citations

567281

15
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

1984
citing authors

#	ARTICLE	IF	CITATIONS
1	The Genome of the Sea Urchin <i>Strongylocentrotus purpuratus</i> . <i>Science</i> , 2006, 314, 941-952.	12.6	1,018
2	Gene families encoding transcription factors expressed in early development of <i>Strongylocentrotus purpuratus</i> . <i>Developmental Biology</i> , 2006, 300, 90-107.	2.0	138
3	Identification and characterization of homeobox transcription factor genes in <i>Strongylocentrotus purpuratus</i> , and their expression in embryonic development. <i>Developmental Biology</i> , 2006, 300, 74-89.	2.0	123
4	High accuracy, high-resolution prevalence measurement for the majority of locally expressed regulatory genes in early sea urchin development. <i>Gene Expression Patterns</i> , 2010, 10, 177-184.	0.8	90
5	The C2H2 zinc finger genes of <i>Strongylocentrotus purpuratus</i> and their expression in embryonic development. <i>Developmental Biology</i> , 2006, 300, 108-120.	2.0	87
6	A comprehensive analysis of Delta signaling in pre-gastrular sea urchin embryos. <i>Developmental Biology</i> , 2012, 364, 77-87.	2.0	73
7	Diversification of oral and aboral mesodermal regulatory states in pregastrular sea urchin embryos. <i>Developmental Biology</i> , 2013, 375, 92-104.	2.0	71
8	High regulatory gene use in sea urchin embryogenesis: Implications for bilaterian development and evolution. <i>Developmental Biology</i> , 2006, 300, 27-34.	2.0	57
9	Direct and indirect control of oral ectoderm regulatory gene expression by Nodal signaling in the sea urchin embryo. <i>Developmental Biology</i> , 2012, 369, 377-385.	2.0	51
10	New regulatory circuit controlling spatial and temporal gene expression in the sea urchin embryo oral ectoderm GRN. <i>Developmental Biology</i> , 2013, 382, 268-279.	2.0	45
11	Logic of gene regulatory networks. <i>Current Opinion in Biotechnology</i> , 2007, 18, 351-354.	6.6	41
12	A protocol for unraveling gene regulatory networks. <i>Nature Protocols</i> , 2008, 3, 1876-1887.	12.0	38
13	Cardiovascular development and survival require <i>Mef2c</i> function in the myocardial but not the endothelial lineage. <i>Developmental Biology</i> , 2019, 445, 170-177.	2.0	38
14	Notch and Nodal control forkhead factor expression in the specification of multipotent progenitors in sea urchin. <i>Development (Cambridge)</i> , 2013, 140, 1796-1806.	2.5	36
15	The <i>S. purpuratus</i> genome: A comparative perspective. <i>Developmental Biology</i> , 2006, 300, 485-495.	2.0	27
16	The Sea Urchin Genome as a Window on Function. <i>Biological Bulletin</i> , 2008, 214, 266-273.	1.8	12
17	TAEI 2.0: An Improved Optogenetic Expression System for Zebrafish. <i>Zebrafish</i> , 2021, 18, 20-28.	1.1	9
18	Using Morpholinos to Probe Gene Networks in Sea Urchin. <i>Methods in Molecular Biology</i> , 2017, 1565, 87-104.	0.9	7