Tatjana Piotrowski

List of Publications by Year
in descending order

33	1,936	331670 21	454955 30
papers	citations	h-index	g-index

44	44	44	2030
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cell migration during morphogenesis. Developmental Biology, 2010, 341, 20-33.	2.0	258
2	Wnt/Î²-Catenin and Fgf Signaling Control Collective Cell Migration by Restricting Chemokine Receptor Expression. Developmental Cell, 2008, 15, 749-761.	7.0	228
3	Gene-expression analysis of hair cell regeneration in the zebrafish lateral line. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1383-92.	7.1	151
4	scRNA-Seq reveals distinct stem cell populations that drive hair cell regeneration after loss of Fgf and Notch signaling. ELife, 2019, 8, .	6.0	130
5	Regulation of Latent Sensory Hair Cell Precursors by Glia in the Zebrafish Lateral Line. Neuron, 2005, 45, 69-80.	8.1	119
6	Regeneration of Sensory Hair Cells Requires Localized Interactions between the Notch and Wnt Pathways. Developmental Cell, 2015, 34, 267-282.	7.0	117
7	Sensory hair cell regeneration in the zebrafish lateral line. Developmental Dynamics, 2014, 243, 1187-1202.	1.8	98
8	Insights into sensory hair cell regeneration from the zebrafish lateral line. Current Opinion in Genetics and Development, 2016, 40, 32-40.	3.3	82
9	Wnt/Î²-catenin dependent cell proliferation underlies segmented lateral line morphogenesis. Developmental Biology, 2011, 349, 470-482.	2.0	78
10	Retinoic acid is required for endodermal pouch morphogenesis and not for pharyngeal endoderm specification. Developmental Dynamics, 2006, 235, 2695-2709.	1.8	76
11	The Embryonic and Larval Development of <i>Polypterus senegalus</i>Cuvier, 1829: its Staging with Reference to External and Skeletal Features, Behaviour and Locomotory Habits. Acta Zoologica, 1997, 78, 309-328.	0.8	62
12	The development of lateral line placodes: Taking a broader view. Developmental Biology, 2014, 389, 68-81.	2.0	55
13	ErbB expressing Schwann cells control lateral line progenitor cells via non-cell-autonomous regulation of Wnt/Î²-catenin. ELife, 2014, 3, e01832.	6.0	50
14	Heparan Sulfate Proteoglycans Regulate Fgf Signaling and Cell Polarity during Collective Cell Migration. Cell Reports, 2015, 10, 414-428.	6.4	50
15	Cell-cell signaling interactions coordinate multiple cell behaviors that drive morphogenesis of the lateral line. Cell Adhesion and Migration, 2011, 5, 499-508.	2.7	40
16	Proliferation-independent regulation of organ size by Fgf/Notch signaling. ELife, 2017, 6, .	6.0	40
17	PCP and Wnt pathway components act in parallel during zebrafish mechanosensory hair cell orientation. Nature Communications, 2019, 10, 3993.	12.8	38
18	Identification of Wnt Genes Expressed in Neural Progenitor Zones during Zebrafish Brain Development. PLoS ONE, 2015, 10, e0145810.	2.5	37

#	Article	IF	Citations
19	Single-cell transcriptome analysis reveals three sequential phases of gene expression during zebrafish sensory hair cell regeneration. Developmental Cell, 2022, 57, 799-819.e6.	7.0	34
20	Hypoxia Disruption of Vertebrate CNS Pathfinding through EphrinB2 Is Rescued by Magnesium. PLoS Genetics, 2012, 8, e1002638.	3.5	32
21	Multiple signaling interactions coordinate collective cell migration of the posterior lateral line primordium. Cell Adhesion and Migration, 2009, 3, 365-368.	2.7	30
22	Comparing Sensory Organs to Define the Path for Hair Cell Regeneration. Annual Review of Cell and Developmental Biology, 2019, 35, 567-589.	9.4	26
23	In toto imaging of the migrating Zebrafish lateral line primordium at single cell resolution. Developmental Biology, 2017, 422, 14-23.	2.0	21
24	Loss of <i>adenomatous polyposis coli</i> (<i>apc</i>) results in an expanded ciliary marginal zone in the zebrafish eye. Developmental Dynamics, 2010, 239, 2066-2077.	1.8	19
25	Adaptive cell invasion maintains lateral line organ homeostasis in response to environmental changes. Developmental Cell, 2021, 56, 1296-1312.e7.	7.0	17
26	Glypican4 modulates lateral line collective cell migration non cell-autonomously. Developmental Biology, 2016, 419, 321-335.	2.0	12
27	Evolutionary Origin and Nomenclature of Vertebrate <i>Wnt11</i>-Family Genes. Zebrafish, 2019, 16, 469-476.	1.1	12
28	Retinoic acid is required and Fgf, Wnt, and Bmp signaling inhibit posterior lateral line placode induction in zebrafish. Developmental Biology, 2017, 431, 215-225.	2.0	11
29	The Cranial Nerves of the Senegal Bichir, <i>Polypterus senegalus </i>[Osteichthyes: Actinopterygii: Cladistia]; pp. 79â€“102. Brain, Behavior and Evolution, 1996, 47, 79-102.	1.7	3
30	How the lateral line gets its glia. Trends in Neurosciences, 2002, 25, 544-546.	8.6	3
31	Localized Gene Induction by Infrared-Mediated Heat Shock. Zebrafish, 2016, 13, 537-540.	1.1	2
32	Retinoic acid is required for endodermal pouch morphogenesis and not for pharyngeal endoderm specification. Developmental Dynamics, 2006, 235, spc1-spc1.	1.8	0
33	Migrating Placodes give rise to the Lateral Line System. FASEB Journal, 2011, 25, 184.2.	0.5	0