Patrick R H Steinmetz

List of Publications by Citations

21 papers	2,015 citations	15 h-index	23 g-index
23 ext. papers	2,411 ext. citations	18.5 avg, IF	4.2 L-index

#	Paper	IF	Citations
21	The dynamic genome of Hydra. *Nature*, **2010**, 464, 592-6	50.4	613
20	Molecular architecture of annelid nerve cord supports common origin of nervous system centralization in bilateria. *Cell*, **2007**, 129, 277-88	56.2	345
19	Independent evolution of striated muscles in cnidarians and bilaterians. *Nature*, **2012**, 487, 231-4	50.4	172
18	Cnidarian Cell Type Diversity and Regulation Revealed by Whole-Organism Single-Cell RNA-Seq. *Cell*, **2018**, 173, 1520-1534.e20	56.2	139
17	Six3 demarcates the anterior-most developing brain region in bilaterian animals. *EvoDevo*, **2010**, 1, 14	3.2	113
16	A muscle-specific transgenic reporter line of the sea anemone, Nematostella vectensis. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 104-8	11.5	111
15	Hox gene expression in larval development of the polychaetes Nereis virens and Platynereis dumerilii (Annelida, Lophotrochozoa). *Development Genes and Evolution*, **2007**, 217, 39-54	1.8	92
14	Development of the annelid axochord: insights into notochord evolution. *Science*, **2014**, 345, 1365-8	33.3	74
13	Fluorescent two-color whole mount in situ hybridization in Platynereis dumerilii (Polychaeta, Annelida), an emerging marine molecular model for evolution and development. *BioTechniques*, **2005**, 39, 460, 462, 464	2.5	69
12	The segmental pattern of otx, gbx, and Hox genes in the annelid Platynereis dumerilii. *Evolution & Development*, **2011**, 13, 72-9	2.6	65
11	The evolutionary origin of bilaterian smooth and striated myocytes. *ELife*, **2016**, 5,	8.9	53
10	Gut-like ectodermal tissue in a sea anemone challenges germ layer homology. *Nature Ecology and Evolution*, **2017**, 1, 1535-1542	12.3	52
9	Polychaete trunk neuroectoderm converges and extends by mediolateral cell intercalation. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 2727-32	11.5	42
8	Involvement of the Wnt/Ecatenin pathway in neurectoderm architecture in Platynereis dumerilii. *Nature Communications*, **2013**, 4, 1915	17.4	35
7	Bud detachment in hydra requires activation of fibroblast growth factor receptor and a Rho-ROCK-myosin II signaling pathway to ensure formation of a basal constriction. *Developmental Dynamics*, **2017**, 246, 502-516	2.9	15
6	A non-bilaterian perspective on the development and evolution of animal digestive systems. *Cell and Tissue Research*, **2019**, 377, 321-339	4.2	14
5	Muscle cell type diversification facilitated by extensive gene duplications		5

List of Publications

4	The evolutionary origin of bilaterian smooth and striated myocytes		3
3	Gut-like ectodermal tissue in a sea anemone challenges germ layer homology. *Mechanisms of Development*, **2017**, 145, S111	1.7	2
2	Evolutionary conserved aspects of animal nutrient uptake and transport in sea anemone vitellogenesis		1
1	Metazoan Complexity **2010**, 143-178		