

# Patrick R H Steinmetz

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

2,658  
citations

516215

16  
h-index

887659

17  
g-index

23  
all docs

23  
docs citations

23  
times ranked

2600  
citing authors

#	ARTICLE	IF	CITATIONS
1	The dynamic genome of Hydra. Nature, 2010, 464, 592-596.	13.7	743
2	Molecular Architecture of Annelid Nerve Cord Supports Common Origin of Nervous System Centralization in Bilateria. Cell, 2007, 129, 277-288.	13.5	406
3	Cnidarian Cell Type Diversity and Regulation Revealed by Whole-Organism Single-Cell RNA-Seq. Cell, 2018, 173, 1520-1534.e20.	13.5	284
4	Independent evolution of striated muscles in cnidarians and bilaterians. Nature, 2012, 487, 231-234.	13.7	221
5	Six3 demarcates the anterior-most developing brain region in bilaterian animals. EvoDevo, 2010, 1, 14.	1.3	149
6	A muscle-specific transgenic reporter line of the sea anemone, <i>Nematostella vectensis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 104-108.	3.3	144
7	Hox gene expression in larval development of the polychaetes <i>Nereis virens</i> and <i>Platynereis dumerilii</i> (Annelida, Lophotrochozoa). Development Genes and Evolution, 2007, 217, 39-54.	0.4	113
8	Gut-like ectodermal tissue in a sea anemone challenges germ layer homology. Nature Ecology and Evolution, 2017, 1, 1535-1542.	3.4	106
9	Development of the annelid axochord: Insights into notochord evolution. Science, 2014, 345, 1365-1368.	6.0	90
10	The evolutionary origin of bilaterian smooth and striated myocytes. ELife, 2016, 5, .	2.8	86
11	The segmental pattern of <i>otx</i> , <i>gbx</i> , and <i>Hox</i> genes in the annelid <i>Platynereis dumerilii</i> . Evolution & Development, 2011, 13, 72-79.	1.1	82
12	Fluorescent two-color whole mount in situ hybridization in <i>Platynereis dumerilii</i> (Polychaeta). Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 39, 460-464.	0.8	80
13	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, 2727-2732.	3.3	44
14	Involvement of the Wnt/ $\beta$ -catenin pathway in neurectoderm architecture in <i>Platynereis dumerilii</i> . Nature Communications, 2013, 4, 1915.	5.8	40
15	A non-bilaterian perspective on the development and evolution of animal digestive systems. Cell and Tissue Research, 2019, 377, 321-339.	1.5	33
16	Bud detachment in <i>Hydra</i> requires activation of fibroblast growth factor receptor and a Rho GTPase-myosin II signaling pathway to ensure formation of a basal constriction. Developmental Dynamics, 2017, 246, 502-516.	0.8	18
17	Gut-like ectodermal tissue in a sea anemone challenges germ layer homology. Mechanisms of Development, 2017, 145, S111.	1.7	3
18	Metazoan Complexity. , 2010, , 143-178.		0