

# Patrick Mller

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36  
papers

1,498  
citations

18  
h-index

38  
g-index

55  
ext. papers

1,917  
ext. citations

10.7  
avg, IF

4.78  
L-index

#	Paper	IF	Citations
36	Differential diffusivity of Nodal and Lefty underlies a reaction-diffusion patterning system. <i>Science</i> , <b>2012</b> , 336, 721-4	33.3	270
35	Identification of JAK/STAT signalling components by genome-wide RNA interference. <i>Nature</i> , <b>2005</b> , 436, 871-5	50.4	244
34	Morphogen transport. <i>Development (Cambridge)</i> , <b>2013</b> , 140, 1621-38	6.6	165
33	TGF- $\beta$ uses a novel mode of receptor activation to phosphorylate SMAD1/5 and induce epithelial-to-mesenchymal transition. <i>ELife</i> , <b>2018</b> , 7,	8.9	78
32	Extracellular movement of signaling molecules. <i>Developmental Cell</i> , <b>2011</b> , 21, 145-58	10.2	75
31	High-throughput mathematical analysis identifies Turing networks for patterning with equally diffusing signals. <i>ELife</i> , <b>2016</b> , 5,	8.9	72
30	Optogenetic Control of Nodal Signaling Reveals a Temporal Pattern of Nodal Signaling Regulating Cell Fate Specification during Gastrulation. <i>Cell Reports</i> , <b>2016</b> , 16, 866-77	10.6	70
29	Nanog-like regulates endoderm formation through the Mxtx2-Nodal pathway. <i>Developmental Cell</i> , <b>2012</b> , 22, 625-38	10.2	68
28	Application of a blood-brain-barrier-penetrating form of GDNF in a mouse model for Parkinson's disease. <i>Brain Research</i> , <b>2006</b> , 1082, 61-6	3.7	58
27	Scale-invariant patterning by size-dependent inhibition of Nodal signalling. <i>Nature Cell Biology</i> , <b>2018</b> , 20, 1032-1042	23.4	39
26	Pattern formation mechanisms of self-organizing reaction-diffusion systems. <i>Developmental Biology</i> , <b>2020</b> , 460, 2-11	3.1	37
25	Dynamics of BMP signaling and distribution during zebrafish dorsal-ventral patterning. <i>ELife</i> , <b>2017</b> , 6,	8.9	35
24	Amino acid residues required for physical and cooperative transcriptional interaction of STAT3 and AP-1 proteins c-Jun and c-Fos. <i>Molecular and Cellular Biology</i> , <b>2007</b> , 27, 6300-8	4.8	31
23	A conserved regulatory program initiates lateral plate mesoderm emergence across chordates. <i>Nature Communications</i> , <b>2019</b> , 10, 3857	17.4	24
22	Identification of JAK/STAT pathway regulators--insights from RNAi screens. <i>Seminars in Cell and Developmental Biology</i> , <b>2008</b> , 19, 360-9	7.5	24
21	Key Features of Turing Systems are Determined Purely by Network Topology. <i>Physical Review X</i> , <b>2018</b> , 8,	9.1	21
20	Unravelling the collateral damage of antibiotics on gut bacteria. <i>Nature</i> , <b>2021</b> , 599, 120-124	50.4	21

19	Nodal and BMP dispersal during early zebrafish development. <i>Developmental Biology</i> , <b>2019</b> , 447, 14-23	3.1	20
18	Quantitative diffusion measurements using the open-source software PyFRAP. <i>Nature Communications</i> , <b>2018</b> , 9, 1582	17.4	18
17	Positional information and tissue scaling during development and regeneration. <i>Development (Cambridge)</i> , <b>2019</b> , 146,	6.6	18
16	Paracrine Activin-A Signaling Promotes Melanoma Growth and Metastasis through Immune Evasion. <i>Journal of Investigative Dermatology</i> , <b>2017</b> , 137, 2578-2587	4.3	17
15	LMO2 activation by deacetylation is indispensable for hematopoiesis and T-ALL leukemogenesis. <i>Blood</i> , <b>2019</b> , 134, 1159-1175	2.2	12
14	A metabolic interplay coordinated by HLX regulates myeloid differentiation and AML through partly overlapping pathways. <i>Nature Communications</i> , <b>2018</b> , 9, 3090	17.4	11
13	Optogenetic investigation of BMP target gene expression diversity. <i>ELife</i> , <b>2020</b> , 9,	8.9	10
12	Optogenetic approaches to investigate spatiotemporal signaling during development. <i>Current Topics in Developmental Biology</i> , <b>2020</b> , 137, 37-77	5.3	8
11	Integration of Nodal and BMP Signaling by Mutual Signaling Effector Antagonism. <i>Cell Reports</i> , <b>2020</b> , 31, 107487	10.6	7
10	Measuring protein stability in living zebrafish embryos using fluorescence decay after photoconversion (FDAP). <i>Journal of Visualized Experiments</i> , <b>2015</b> , 52266	1.6	7
9	Modulation of human JAK-STAT pathway signaling by functionally conserved regulators. <i>Jak-stat</i> , <b>2012</b> , 1, 34-43		7
8	PyFDAP: automated analysis of fluorescence decay after photoconversion (FDAP) experiments. <i>Bioinformatics</i> , <b>2015</b> , 31, 972-4	7.2	6
7	Tuning Protein Diffusivity with Membrane Tethers. <i>Biochemistry</i> , <b>2019</b> , 58, 177-181	3.2	6
6	The human $\beta$ -defensin-derived peptide HD5(1-9) inhibits cellular attachment and entry of human cytomegalovirus. <i>Antiviral Research</i> , <b>2020</b> , 177, 104779	10.8	4
5	Design of novel granulopoietic proteins by topological rescaffolding. <i>PLoS Biology</i> , <b>2020</b> , 18, e3000919	9.7	3
4	FRAP Analysis of Extracellular Diffusion in Zebrafish Embryos. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1863, 107-124	1.4	2
3	Comprehensive Analysis of Human Cytomegalovirus- and HIV-Mediated Plasma Membrane Remodeling in Macrophages. <i>MBio</i> , <b>2021</b> , 12, e0177021	7.8	1
2	Development: Painting Flowers with MYBs. <i>Current Biology</i> , <b>2020</b> , 30, R227-R229	6.3	

1 Wie Tiere sich selbst konstruieren. *BioSpektrum*, 2021, 27, 473-477

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