

# Daniel Gyllborg

## List of Publications by Year in Descending Order

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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.

22  
papers

1,251  
citations

11  
h-index

30  
g-index

30  
ext. papers

1,934  
ext. citations

15.5  
avg, IF

3.85  
L-index

#	Paper	IF	Citations
22	Direct RNA targeted in situ sequencing for transcriptomic profiling in tissue.. <i>Scientific Reports</i> , <b>2022</b> , 12, 7976	4.9	0
21	MEIS-WNT5A axis regulates development of fourth ventricle choroid plexus. <i>Development (Cambridge)</i> , <b>2021</b> , 148,	6.6	3
20	Matisse: a MATLAB-based analysis toolbox for in situ sequencing expression maps. <i>BMC Bioinformatics</i> , <b>2021</b> , 22, 391	3.6	1
19	Molecular architecture of the developing mouse brain. <i>Nature</i> , <b>2021</b> , 596, 92-96	50.4	39
18	Comprehensive in situ mapping of human cortical transcriptomic cell types. <i>Communications Biology</i> , <b>2021</b> , 4, 998	6.7	1
17	Srebf1 Controls Midbrain Dopaminergic Neurogenesis. <i>Cell Reports</i> , <b>2020</b> , 31, 107601	10.6	5
16	Hybridization-based in situ sequencing (HyBISS) for spatially resolved transcriptomics in human and mouse brain tissue. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, e112	20.1	34
15	In Situ Sequencing: A High-Throughput, Multi-Targeted Gene Expression Profiling Technique for Cell Typing in Tissue Sections. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2148, 313-329	1.4	2
14	WNT5A is transported via lipoprotein particles in the cerebrospinal fluid to regulate hindbrain morphogenesis. <i>Nature Communications</i> , <b>2019</b> , 10, 1498	17.4	42
13	The Matricellular Protein R-Spondin 2 Promotes Midbrain Dopaminergic Neurogenesis and Differentiation. <i>Stem Cell Reports</i> , <b>2018</b> , 11, 651-664	8	7
12	Translation of WNT developmental programs into stem cell replacement strategies for the treatment of Parkinson's disease. <i>British Journal of Pharmacology</i> , <b>2017</b> , 174, 4716-4724	8.6	13
11	Oriented clonal cell dynamics enables accurate growth and shaping of vertebrate cartilage. <i>ELife</i> , <b>2017</b> , 6,	8.9	27
10	Niche-derived laminin-511 promotes midbrain dopaminergic neuron survival and differentiation through YAP. <i>Science Signaling</i> , <b>2017</b> , 10,	8.8	30
9	A PBX1 transcriptional network controls dopaminergic neuron development and is impaired in Parkinson's disease. <i>EMBO Journal</i> , <b>2016</b> , 35, 1963-78	13	52
8	Analysis of neural crest-derived clones reveals novel aspects of facial development. <i>Science Advances</i> , <b>2016</b> , 2, e1600060	14.3	42
7	Oligodendrocyte heterogeneity in the mouse juvenile and adult central nervous system. <i>Science</i> , <b>2016</b> , 352, 1326-1329	33.3	497
6	Molecular Diversity of Midbrain Development in Mouse, Human, and Stem Cells. <i>Cell</i> , <b>2016</b> , 167, 566-580	36.2	425

5	Hybridization-based In Situ Sequencing (HyBISS): spatial transcriptomic detection in human and mouse brain tissue	4
4	MEIS-WNT5A axis regulates development of 4th ventricle choroid plexus	3
3	Molecular architecture of the developing mouse brain	19
2	Direct RNA targeted transcriptomic profiling in tissue using Hybridization-based RNA In Situ Sequencing (HyBRISS)	2
1	Comprehensive in situ mapping of human cortical transcriptomic cell types	1