

# Ariel J Levine

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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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.

26  
papers

1,684  
citations

15  
h-index

31  
g-index

31  
ext. papers

2,223  
ext. citations

10.5  
avg, IF

4.71  
L-index

#	Paper	IF	Citations
26	Intersectional genetic tools to study skilled reaching in mice. <i>Experimental Neurology</i> , <b>2022</b> , 347, 113879	5.7	2
25	Cell type prioritization in single-cell data. <i>Nature Biotechnology</i> , <b>2021</b> , 39, 30-34	44.5	27
24	Selecting single cell clustering parameter values using subsampling-based robustness metrics. <i>BMC Bioinformatics</i> , <b>2021</b> , 22, 39	3.6	6
23	A spinoparabrachial circuit defined by Tacr1 expression drives pain. <i>ELife</i> , <b>2021</b> , 10,	8.9	8
22	A harmonized atlas of mouse spinal cord cell types and their spatial organization. <i>Nature Communications</i> , <b>2021</b> , 12, 5722	17.4	9
21	Confronting false discoveries in single-cell differential expression. <i>Nature Communications</i> , <b>2021</b> , 12, 5692	17.4	21
20	Cerebellospinal Neurons Regulate Motor Performance and Motor Learning. <i>Cell Reports</i> , <b>2020</b> , 31, 107595	5.6	19
19	Decoding Cell Type Diversity Within the Spinal Cord. <i>Current Opinion in Physiology</i> , <b>2019</b> , 8, 1-6	2.6	10
18	Massively Parallel Single Nucleus Transcriptional Profiling Defines Spinal Cord Neurons and Their Activity during Behavior. <i>Cell Reports</i> , <b>2018</b> , 22, 2216-2225	10.6	161
17	Graded Arrays of Spinal and Supraspinal V2a Interneuron Subtypes Underlie Forelimb and Hindlimb Motor Control. <i>Neuron</i> , <b>2018</b> , 97, 869-884.e5	13.9	83
16	Isolation of Adult Spinal Cord Nuclei for Massively Parallel Single-nucleus RNA Sequencing. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	13
15	Satb2 Is Required for the Development of a Spinal Exteroceptive Microcircuit that Modulates Limb Position. <i>Neuron</i> , <b>2016</b> , 91, 763-776	13.9	26
14	Biomaterial bridges enable regeneration and re-entry of corticospinal tract axons into the caudal spinal cord after SCI: Association with recovery of forelimb function. <i>Biomaterials</i> , <b>2015</b> , 65, 1-12	15.6	49
13	Identification of a cellular node for motor control pathways. <i>Nature Neuroscience</i> , <b>2014</b> , 17, 586-93	25.5	136
12	Spatial organization of cortical and spinal neurons controlling motor behavior. <i>Current Opinion in Neurobiology</i> , <b>2012</b> , 22, 812-21	7.6	43
11	GDF3 is a BMP inhibitor that can activate Nodal signaling only at very high doses. <i>Developmental Biology</i> , <b>2009</b> , 325, 43-8	3.1	29
10	The Molecular Basis of Pluripotency in Principles of Regenerative Medicine <b>2008</b> , 126-135		

9	Proposal of a model of mammalian neural induction. <i>Developmental Biology</i> , <b>2007</b> , 308, 247-56	3.1	137
8	GDF3 at the crossroads of TGF-beta signaling. <i>Cell Cycle</i> , <b>2006</b> , 5, 1069-73	4.7	38
7	GDF3, a BMP inhibitor, regulates cell fate in stem cells and early embryos. <i>Development (Cambridge)</i> , <b>2006</b> , 133, 209-16	6.6	127
6	TGFbeta/activin/nodal signaling is necessary for the maintenance of pluripotency in human embryonic stem cells. <i>Development (Cambridge)</i> , <b>2005</b> , 132, 1273-82	6.6	678
5	Fluorescent labeling of endothelial cells allows in vivo, continuous characterization of the vascular development of <i>Xenopus laevis</i> . <i>Developmental Biology</i> , <b>2003</b> , 254, 50-67	3.1	45
4	Cell type prioritization in single-cell data		2
3	A Harmonized Atlas of Spinal Cord Cell Types and Their Computational Classification		3
2	Confronting false discoveries in single-cell differential expression		7
1	A Single Cell Atlas of Spared Tissue Below a Spinal Cord Injury Reveals Cellular Mechanisms of Repair		4