

Per Uhln

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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.

87
papers

3,703
citations

34
h-index

59
g-index

94
ext. papers

4,313
ext. citations

8.4
avg, IF

5.01
L-index

#	Paper	IF	Citations
87	Anatomical and physiological evidence for D1 and D2 dopamine receptor colocalization in neostriatal neurons. <i>Nature Neuroscience</i> , 2000 , 3, 226-30	25.5	335
86	Human MIEF1 recruits Drp1 to mitochondrial outer membranes and promotes mitochondrial fusion rather than fission. <i>EMBO Journal</i> , 2011 , 30, 2762-78	13	267
85	Ouabain, a steroid hormone that signals with slow calcium oscillations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 13420-4	11.5	238
84	The sphingosine-1-phosphate receptor S1PR1 restricts sprouting angiogenesis by regulating the interplay between VE-cadherin and VEGFR2. <i>Developmental Cell</i> , 2012 , 23, 587-99	10.2	223
83	Alpha-haemolysin of uropathogenic E. coli induces Ca ²⁺ oscillations in renal epithelial cells. <i>Nature</i> , 2000 , 405, 694-7	50.4	204
82	Frequency decoding of calcium oscillations. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 964-9	4	148
81	Cell signaling microdomain with Na,K-ATPase and inositol 1,4,5-trisphosphate receptor generates calcium oscillations. <i>Journal of Biological Chemistry</i> , 2003 , 278, 50355-61	5.4	136
80	Distinct role of the N-terminal tail of the Na,K-ATPase catalytic subunit as a signal transducer. <i>Journal of Biological Chemistry</i> , 2006 , 281, 21954-21962	5.4	98
79	Whole-tissue biopsy phenotyping of three-dimensional tumours reveals patterns of cancer heterogeneity. <i>Nature Biomedical Engineering</i> , 2017 , 1, 796-806	19	96
78	Biochemistry of calcium oscillations. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 396, 28-32	3.4	94
77	Angiotensin-like protein 1 controls endothelial polarity and junction stability during sprouting angiogenesis. <i>Circulation Research</i> , 2009 , 105, 260-70	15.7	88
76	Testosterone induces cardiomyocyte hypertrophy through mammalian target of rapamycin complex 1 pathway. <i>Journal of Endocrinology</i> , 2009 , 202, 299-307	4.7	73
75	Origin of excitation underlying locomotion in the spinal circuit of zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5511-6	11.5	70
74	Gain-of-function/Noonan syndrome SHP-2/Ptpn11 mutants enhance calcium oscillations and impair NFAT signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 2160-5	11.5	70
73	Local control of nuclear calcium signaling in cardiac myocytes by perinuclear microdomains of sarcolemmal insulin-like growth factor 1 receptors. <i>Circulation Research</i> , 2013 , 112, 236-45	15.7	67
72	Glutaredoxin regulates vascular development by reversible glutathionylation of sirtuin 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20057-62	11.5	66
71	Ca ²⁺ oscillations induced by testosterone enhance neurite outgrowth. <i>Journal of Cell Science</i> , 2006 , 119, 733-43	5.3	66

70	Neural progenitors organize in small-world networks to promote cell proliferation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E1524-32	11.5	63
69	Cxcl12/Cxcr4 signaling controls the migration and process orientation of A9-A10 dopaminergic neurons. <i>Development (Cambridge)</i> , 2013 , 140, 4554-64	6.6	53
68	Altered interplay between endoplasmic reticulum and mitochondria in Charcot-Marie-Tooth type 2A neuropathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 2328-2337	11.5	52
67	Na,K-ATPase signal transduction triggers CREB activation and dendritic growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 2212-7	11.5	49
66	Inositol 1,4,5-trisphosphate receptor subtype-specific regulation of calcium oscillations. <i>Neurochemical Research</i> , 2011 , 36, 1175-85	4.6	44
65	PfMDR1: mechanisms of transport modulation by functional polymorphisms. <i>PLoS ONE</i> , 2011 , 6, e238753.7	3.7	44
64	Spectral analysis of calcium oscillations. <i>Science Signaling</i> , 2004 , 2004, pl15	8.8	43
63	Signaling microdomains regulate inositol 1,4,5-trisphosphate-mediated intracellular calcium transients in cultured neurons. <i>Journal of Neuroscience</i> , 2005 , 25, 2853-64	6.6	43
62	Calcium signaling in neocortical development. <i>Developmental Neurobiology</i> , 2015 , 75, 360-8	3.2	40
61	AmotL2 links VE-cadherin to contractile actin fibres necessary for aortic lumen expansion. <i>Nature Communications</i> , 2014 , 5, 3743	17.4	39
60	Perfluorooctane sulfonate induces neuronal and oligodendrocytic differentiation in neural stem cells and alters the expression of PPAR α in vitro and in vivo. <i>Toxicology and Applied Pharmacology</i> , 2013 , 269, 51-60	4.6	38
59	MYC proteins promote neuronal differentiation by controlling the mode of progenitor cell division. <i>EMBO Reports</i> , 2014 , 15, 383-91	6.5	38
58	Effects of the Escherichia coli toxin cytolysin A on mucosal immunostimulation via epithelial Ca ²⁺ signalling and Toll-like receptor 4. <i>Cellular Microbiology</i> , 2005 , 7, 779-88	3.9	36
57	Voltage-dependent calcium channel signaling mediates GABAA receptor-induced migratory activation of dendritic cells infected by Toxoplasma gondii. <i>PLoS Pathogens</i> , 2017 , 13, e1006739	7.6	35
56	Infection by Toxoplasma gondii Induces Amoeboid-Like Migration of Dendritic Cells in a Three-Dimensional Collagen Matrix. <i>PLoS ONE</i> , 2015 , 10, e0139104	3.7	35
55	AmotL2 disrupts apical-basal cell polarity and promotes tumour invasion. <i>Nature Communications</i> , 2014 , 5, 4557	17.4	34
54	Ca ²⁺ and cAMP signaling in human embryonic stem cell-derived dopamine neurons. <i>Stem Cells and Development</i> , 2010 , 19, 1355-64	4.4	34
53	Tracheal tissue engineering in rats. <i>Nature Protocols</i> , 2014 , 9, 2164-79	18.8	31

52	Critical role for hyperpolarization-activated cyclic nucleotide-gated channel 2 in the AIF-mediated apoptosis. <i>EMBO Journal</i> , 2010 , 29, 3869-78	13	30
51	Interleukin-6 secretion by astrocytes is dynamically regulated by PI3K-mTOR-calcium signaling. <i>PLoS ONE</i> , 2014 , 9, e92649	3.7	28
50	Calcium signaling in placenta. <i>Cell Calcium</i> , 2011 , 49, 350-6	4	27
49	Cathelicidin LL-37 induces time-resolved release of LTB4 and TXA2 by human macrophages and triggers eicosanoid generation in vivo. <i>FASEB Journal</i> , 2014 , 28, 3456-67	0.9	25
48	CO2-evoked release of PGE2 modulates sighs and inspiration as demonstrated in brainstem organotypic culture. <i>ELife</i> , 2016 , 5,	8.9	25
47	The COUP-TFII/Neuropilin-2 is a molecular switch steering diencephalon-derived GABAergic neurons in the developing mouse brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E4985-94	11.5	24
46	The 1p36 Tumor Suppressor KIF1B Is Required for Calcineurin Activation, Controlling Mitochondrial Fission and Apoptosis. <i>Developmental Cell</i> , 2016 , 36, 164-78	10.2	22
45	Single cell analysis of autism patient with bi-allelic NRXN1-alpha deletion reveals skewed fate choice in neural progenitors and impaired neuronal functionality. <i>Experimental Cell Research</i> , 2019 , 383, 111469	4.2	22
44	Small molecule screening platform for assessment of cardiovascular toxicity on adult zebrafish heart. <i>BMC Physiology</i> , 2012 , 12, 3	0	22
43	Alpha-chemokines regulate proliferation, neurogenesis, and dopaminergic differentiation of ventral midbrain precursors and neurospheres. <i>Stem Cells</i> , 2008 , 26, 1891-900	5.8	22
42	Modeling the impact of store-operated Ca ²⁺ entry on intracellular Ca ²⁺ oscillations. <i>Mathematical Biosciences</i> , 2006 , 204, 232-49	3.9	22
41	Non-dioxin-like polychlorinated biphenyls interfere with neuronal differentiation of embryonic neural stem cells. <i>Toxicological Sciences</i> , 2011 , 124, 192-201	4.4	21
40	Network analysis of time-lapse microscopy recordings. <i>Frontiers in Neural Circuits</i> , 2014 , 8, 111	3.5	20
39	Acquired platinum resistance involves epithelial to mesenchymal transition through ubiquitin ligase FBXO32 dysregulation. <i>JCI Insight</i> , 2016 , 1, e83654	9.9	20
38	Capacitative calcium entry in testosterone-induced intracellular calcium oscillations in myotubes. <i>Journal of Endocrinology</i> , 2005 , 184, 371-9	4.7	19
37	Wnt/ECatenin Stimulation and Laminins Support Cardiovascular Cell Progenitor Expansion from Human Fetal Cardiac Mesenchymal Stromal Cells. <i>Stem Cell Reports</i> , 2016 , 6, 607-617	8	18
36	RET PLC β phosphotyrosine binding domain regulates Ca ²⁺ signaling and neocortical neuronal migration. <i>PLoS ONE</i> , 2012 , 7, e31258	3.7	16
35	Single-cell RNA-seq analysis reveals the platinum resistance gene COX7B and the surrogate marker CD63. <i>Cancer Medicine</i> , 2018 , 7, 6193-6204	4.8	16

34	Membrane-Depolarizing Channel Blockers Induce Selective Glioma Cell Death by Impairing Nutrient Transport and Unfolded Protein/Amino Acid Responses. <i>Cancer Research</i> , 2017 , 77, 1741-1752	10.1	15
33	Mapping of the three-dimensional lymphatic microvasculature in bladder tumours using light-sheet microscopy. <i>British Journal of Cancer</i> , 2018 , 118, 995-999	8.7	15
32	Sublethal caspase activation promotes generation of cardiomyocytes from embryonic stem cells. <i>PLoS ONE</i> , 2015 , 10, e0120176	3.7	15
31	An integrated mechanism of cardiomyocyte nuclear Ca(2+) signaling. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 75, 40-8	5.8	14
30	Noggin and Wnt3a enable BMP4-dependent differentiation of telencephalic stem cells into GluR-agonist responsive neurons. <i>Molecular and Cellular Neurosciences</i> , 2011 , 47, 10-8	4.8	12
29	En masse in vitro functional profiling of the axonal mechanosensitivity of sensory neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 16336-41	11.5	12
28	Small-world networks of spontaneous Ca(2+) activity. <i>Communicative and Integrative Biology</i> , 2013 , 6, e24788	1.7	11
27	A Zeb2-miR-200c loop controls midbrain dopaminergic neuron neurogenesis and migration. <i>Communications Biology</i> , 2018 , 1, 75	6.7	10
26	Intracellular calcium release modulates polycystin-2 trafficking. <i>BMC Nephrology</i> , 2013 , 14, 34	2.7	10
25	Three-dimensional single-cell imaging for the analysis of RNA and protein expression in intact tumour biopsies. <i>Nature Biomedical Engineering</i> , 2020 , 4, 875-888	19	9
24	Improved Pathological Examination of Tumors with 3D Light-Sheet Microscopy. <i>Trends in Cancer</i> , 2018 , 4, 337-341	12.5	9
23	InsP3-mediated intracellular calcium signalling is altered by expression of synaptojanin-1. <i>Biochemical Journal</i> , 2004 , 382, 687-94	3.8	9
22	Mapping genes for calcium signaling and their associated human genetic disorders. <i>Bioinformatics</i> , 2017 , 33, 2547-2554	7.2	8
21	Regulation of radial glial process growth by glutamate via mGluR5/TRPC3 and neuregulin/ErbB4. <i>Glia</i> , 2018 , 66, 94-107	9	8
20	BCG-induced cytokine release in bladder cancer cells is regulated by Ca signaling. <i>Molecular Oncology</i> , 2019 , 13, 202-211	7.9	7
19	Mending Fences: Na,K-ATPase signaling via Ca in the maintenance of epithelium integrity. <i>Cell Calcium</i> , 2020 , 88, 102210	4	6
18	Radiation Triggers a Dynamic Sequence of Transient Microglial Alterations in Juvenile Brain. <i>Cell Reports</i> , 2020 , 31, 107699	10.6	6
17	An ex vivo spinal cord injury model to study ependymal cells in adult mouse tissue. <i>Experimental Cell Research</i> , 2017 , 357, 236-242	4.2	5

16	Expression of Pluripotency Markers in Nonpluripotent Human Neural Stem and Progenitor Cells. <i>Stem Cells and Development</i> , 2017 , 26, 876-887	4.4	5
15	The T-type Ca Channel Ca _v 3.2 Regulates Differentiation of Neural Progenitor Cells during Cortical Development via Caspase-3. <i>Neuroscience</i> , 2019 , 402, 78-89	3.9	5
14	Glycosylation controls sodium-calcium exchanger 3 sub-cellular localization during cell cycle. <i>European Journal of Cell Biology</i> , 2018 , 97, 190-203	6.1	5
13	Visualization of Na,K-ATPase interacting proteins using FRET technique. <i>Annals of the New York Academy of Sciences</i> , 2003 , 986, 514-8	6.5	5
12	The Sphingosine-1-Phosphate Receptor S1PR1 Restricts Sprouting Angiogenesis by Regulating the Interplay between VE-Cadherin and VEGFR2. <i>Developmental Cell</i> , 2012 , 23, 1264	10.2	3
11	Small-world connectivity dictates collective endothelial cell signaling.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2118927119	11.5	2
10	Recombinant spider silk protein matrices facilitate multi-analysis of calcium-signaling in neural stem cell-derived AMPA-responsive neurons		1
9	Human ex vivo spinal cord slice culture as a useful model of neural development, lesion, and allogeneic neural cell therapy. <i>Stem Cell Research and Therapy</i> , 2020 , 11, 320	8.3	1
8	Spinal cord injury in zebrafish induced by near-infrared femtosecond laser pulses. <i>Journal of Neuroscience Methods</i> , 2019 , 311, 259-266	3	1
7	Recombinant Spider Silk Protein Matrices Facilitate Differentiation of Neural Stem Cells Into Mature and Functional Neurons. <i>Frontiers in Materials</i> , 2021 , 7,	4	1
6	Predicting a tumour's drug uptake. <i>Nature Biomedical Engineering</i> , 2018 , 2, 717-718	19	1
5	Volumetric imaging: a potential tool to stage upper tract urothelial carcinoma. <i>World Journal of Urology</i> , 2019 , 37, 2297-2302	4	0
4	Neurotransmitters and Endothelins Acting on Radial Glial G-Protein-Coupled Receptors Are, Through Proteolytic NRG/ErbB4 Activation, Able to Modify the Migratory Behavior of Neocortical Cells and Mediate Bipolar-to-Multipolar Transition. <i>Stem Cells and Development</i> , 2020 , 29, 1160-1177	4.4	0
3	Notch activation in the mouse mammary luminal lineage leads to ductal hyperplasia and altered partitioning of luminal cell subtypes. <i>Experimental Cell Research</i> , 2020 , 395, 112156	4.2	0
2	GIT1 protects against breast cancer growth through negative regulation of Notch.. <i>Nature Communications</i> , 2022 , 13, 1537	17.4	0
1	Imaging cleared tissues made easy.. <i>Nature Methods</i> , 2022 , 19, 527-529	21.6	