

Walter Nickel

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.

58

papers

4,043

citations

34

h-index

63

g-index

64

ext. papers

4,534

ext. citations

6.7

avg, IF

5.93

L-index

#	Paper	IF	Citations
58	Glypican-1 drives unconventional secretion of Fibroblast Growth Factor 2.. <i>ELife</i> , 2022 , 11,	8.9	2
57	A Role for Liquid-Ordered Plasma Membrane Nanodomains Coordinating the Unconventional Secretory Pathway of Fibroblast Growth Factor 2?. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 864257	5.7	0
56	Identification of cis-acting determinants mediating the unconventional secretion of tau. <i>Scientific Reports</i> , 2021 , 11, 12946	4.9	2
55	The Na,K-ATPase acts upstream of phosphoinositide PI(4,5)P facilitating unconventional secretion of Fibroblast Growth Factor 2. <i>Communications Biology</i> , 2020 , 3, 141	6.7	10
54	Functional Assay to Correlate Protein Oligomerization States with Membrane Pore Formation. <i>Analytical Chemistry</i> , 2020 , 92, 14861-14866	7.8	1
53	FGF2 and IL-1 β explorers of unconventional secretory pathways at a glance. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	13
52	A time-resolved live cell imaging assay to identify small molecule inhibitors of FGF2 signaling. <i>FEBS Letters</i> , 2019 , 593, 2162-2176	3.8	1
51	Single event visualization of unconventional secretion of FGF2. <i>Journal of Cell Biology</i> , 2019 , 218, 683-699,	9.3	20
50	A direct gateway into the extracellular space: Unconventional secretion of FGF2 through self-sustained plasma membrane pores. <i>Seminars in Cell and Developmental Biology</i> , 2018 , 83, 3-7	7.5	29
49	Unconventional mechanisms of eukaryotic protein secretion. <i>Current Biology</i> , 2018 , 28, R406-R410	6.3	49
48	Unconventional Secretion Mediates the Trans-cellular Spreading of Tau. <i>Cell Reports</i> , 2018 , 23, 2039-2055,	10.6	120
47	Tyrosine Kinase Expressed in Hepatocellular Carcinoma, TEC, Controls Pluripotency and Early Cell Fate Decisions of Human Pluripotent Stem Cells via Regulation of Fibroblast Growth Factor-2 Secretion. <i>Stem Cells</i> , 2017 , 35, 2050-2059	5.8	4
46	An emerging case for membrane pore formation as a common mechanism for the unconventional secretion of FGF2 and IL-1 β . <i>Journal of Cell Science</i> , 2017 , 130, 3197-3202	5.3	31
45	The molecular mechanism underlying unconventional secretion of Fibroblast Growth Factor 2 from tumour cells. <i>Biology of the Cell</i> , 2017 , 109, 375-380	3.5	7
44	Key steps in unconventional secretion of fibroblast growth factor 2 reconstituted with purified components. <i>ELife</i> , 2017 , 6,	8.9	39
43	Small Molecule Inhibitors Targeting Tec Kinase Block Unconventional Secretion of Fibroblast Growth Factor 2. <i>Journal of Biological Chemistry</i> , 2016 , 291, 17787-803	5.4	25
42	Sphingosine-1-Phosphate Lyase Deficient Cells as a Tool to Study Protein Lipid Interactions. <i>PLoS ONE</i> , 2016 , 11, e0153009	3.7	25

41	Formation of disulfide bridges drives oligomerization, membrane pore formation, and translocation of fibroblast growth factor 2 to cell surfaces. <i>Journal of Biological Chemistry</i> , 2015 , 290, 8925-37	5.4	40
40	A Dual SILAC Proteomic Labeling Strategy for Quantifying Constitutive and Cell-Cell Induced Protein Secretion. <i>Journal of Proteome Research</i> , 2015 , 14, 3229-38	5.6	11
39	The Startling Properties of Fibroblast Growth Factor 2: How to Exit Mammalian Cells without a Signal Peptide at Hand. <i>Journal of Biological Chemistry</i> , 2015 , 290, 27015-27020	5.4	36
38	HIV-Tat Protein Forms Phosphoinositide-dependent Membrane Pores Implicated in Unconventional Protein Secretion. <i>Journal of Biological Chemistry</i> , 2015 , 290, 21976-84	5.4	37
37	Unconventional secretion of fibroblast growth factor 2--a novel type of protein translocation across membranes?. <i>Journal of Molecular Biology</i> , 2015 , 427, 1202-10	6.5	48
36	A direct role for ATP1A1 in unconventional secretion of fibroblast growth factor 2. <i>Journal of Biological Chemistry</i> , 2015 , 290, 3654-65	5.4	40
35	Heterologous Src homology 4 domains support membrane anchoring and biological activity of HIV-1 Nef. <i>Journal of Biological Chemistry</i> , 2014 , 289, 14030-44	5.4	9
34	Die molekulare Entschlüsselung unkonventioneller Sekretionsmechanismen. <i>BioSpektrum</i> , 2014 , 20, 400-403	0.1	1
33	HIV-1 Nef disrupts membrane-microdomain-associated anterograde transport for plasma membrane delivery of selected Src family kinases. <i>Cellular Microbiology</i> , 2013 , 15, 1605-21	3.9	10
32	Trafficking and release of Leishmania metacyclic HASPB on macrophage invasion. <i>Cellular Microbiology</i> , 2012 , 14, 740-61	3.9	25
31	Diversity in unconventional protein secretion. <i>Journal of Cell Science</i> , 2012 , 125, 5251-5	5.3	190
30	Phosphatidylinositol 4,5-bisphosphate (PI(4,5)P2)-dependent oligomerization of fibroblast growth factor 2 (FGF2) triggers the formation of a lipidic membrane pore implicated in unconventional secretion. <i>Journal of Biological Chemistry</i> , 2012 , 287, 27659-69	5.4	80
29	The unconventional secretory machinery of fibroblast growth factor 2. <i>Traffic</i> , 2011 , 12, 799-805	5.7	57
28	Phenotypic profiling of the human genome reveals gene products involved in plasma membrane targeting of SRC kinases. <i>Genome Research</i> , 2011 , 21, 1955-68	9.7	9
27	Tec-kinase-mediated phosphorylation of fibroblast growth factor 2 is essential for unconventional secretion. <i>Traffic</i> , 2010 , 11, 813-26	5.7	63
26	Pathways of unconventional protein secretion. <i>Current Opinion in Biotechnology</i> , 2010 , 21, 621-6	11.4	134
25	A novel flow cytometric assay to quantify interactions between proteins and membrane lipids. <i>Journal of Lipid Research</i> , 2009 , 50, 1245-54	6.3	65
24	An intrinsic quality-control mechanism ensures unconventional secretion of fibroblast growth factor 2 in a folded conformation. <i>Journal of Cell Science</i> , 2009 , 122, 3322-9	5.3	34

23	The Golgi-associated protein p115 mediates the secretion of macrophage migration inhibitory factor. <i>Journal of Immunology</i> , 2009 , 182, 6896-906	5.3	93
22	Mechanisms of regulated unconventional protein secretion. <i>Nature Reviews Molecular Cell Biology</i> , 2009 , 10, 148-55	48.7	514
21	Reversible phosphorylation as a molecular switch to regulate plasma membrane targeting of acylated SH4 domain proteins. <i>Traffic</i> , 2009 , 10, 1047-60	5.7	7
20	Binding of plasma membrane lipids recruits the yeast integral membrane protein Ist2 to the cortical ER. <i>Traffic</i> , 2009 , 10, 1084-97	5.7	38
19	A conserved, lipid-mediated sorting mechanism of yeast Ist2 and mammalian STIM proteins to the peripheral ER. <i>Traffic</i> , 2009 , 10, 1802-18	5.7	101
18	Unconventional secretion of fibroblast growth factor 2 and galectin-1 does not require shedding of plasma membrane-derived vesicles. <i>FEBS Letters</i> , 2008 , 582, 1362-8	3.8	46
17	Rerouting of fibroblast growth factor 2 to the classical secretory pathway results in post-translational modifications that block binding to heparan sulfate proteoglycans. <i>FEBS Letters</i> , 2008 , 582, 2387-92	3.8	27
16	Unconventional mechanisms of protein transport to the cell surface of eukaryotic cells. <i>Annual Review of Cell and Developmental Biology</i> , 2008 , 24, 287-308	12.6	202
15	A direct role for phosphatidylinositol-4,5-bisphosphate in unconventional secretion of fibroblast growth factor 2. <i>Traffic</i> , 2008 , 9, 1204-17	5.7	89
14	SH4-domain-induced plasma membrane dynamization promotes bleb-associated cell motility. <i>Journal of Cell Science</i> , 2007 , 120, 3820-9	5.3	43
13	Unconventional secretion: an extracellular trap for export of fibroblast growth factor 2. <i>Journal of Cell Science</i> , 2007 , 120, 2295-9	5.3	58
12	Cell-surface heparan sulfate proteoglycans are essential components of the unconventional export machinery of FGF-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 15479-84	11.5	117
11	Unconventional secretory routes: direct protein export across the plasma membrane of mammalian cells. <i>Traffic</i> , 2005 , 6, 607-14	5.7	276
10	Direct transport across the plasma membrane of mammalian cells of Leishmania HASPB as revealed by a CHO export mutant. <i>Journal of Cell Science</i> , 2005 , 118, 517-27	5.3	40
9	Cell surface counter receptors are essential components of the unconventional export machinery of galectin-1. <i>Journal of Cell Biology</i> , 2005 , 171, 373-81	7.3	87
8	Unconventional secretion of fibroblast growth factor 2 is mediated by direct translocation across the plasma membrane of mammalian cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 6244-51	5.4	115
7	Unconventional protein secretion: membrane translocation of FGF-2 does not require protein unfolding. <i>Journal of Cell Science</i> , 2004 , 117, 1727-36	5.3	76
6	The mystery of nonclassical protein secretion. A current view on cargo proteins and potential export routes. <i>FEBS Journal</i> , 2003 , 270, 2109-19		460

5	Regulated secretion of macrophage migration inhibitory factor is mediated by a non-classical pathway involving an ABC transporter. <i>FEBS Letters</i> , 2003 , 551, 78-86	3.8	163
4	The cancer antigen CA125 represents a novel counter receptor for galectin-1. <i>Journal of Cell Science</i> , 2003 , 116, 1305-18	5.3	123
3	Biosynthetic FGF-2 is targeted to non-lipid raft microdomains following translocation to the extracellular surface of CHO cells. <i>Journal of Cell Science</i> , 2002 , 115, 3619-31	5.3	79
2	Glypican-1 drives unconventional secretion of Fibroblast Growth Factor 2		1
1	Cholesterol promotes both head group visibility and clustering of PI(4,5)P2 driving unconventional secretion of Fibroblast Growth Factor 2		2