

# Marcel B Mettlen

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

5,195  
citations

186265  
28  
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254184  
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50  
all docs

50  
docs citations

50  
times ranked

7705  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous stabilization of actin cytoskeleton in multiple nephron-specific cells protects the kidney from diverse injury. <i>Nature Communications</i> , 2022, 13, 2422.	12.8	9
2	Early and nonredundant functions of dynamin isoforms in clathrin-mediated endocytosis. <i>Molecular Biology of the Cell</i> , 2020, 31, 2035-2047.	2.1	21
3	An internally <sc>eGFP</sc>-tagged $\mu$ -adaptin is a fully functional and improved fiduciary marker for clathrin-coated pit dynamics. <i>Traffic</i> , 2020, 21, 603-616.	2.7	11
4	Immune Checkpoint Inhibition is Safe and Effective for Liver Cancer Prevention in a Mouse Model of Hepatocellular Carcinoma. <i>Cancer Prevention Research</i> , 2020, 13, 911-922.	1.5	20
5	Dynamin regulates the dynamics and mechanical strength of the actin cytoskeleton as a multifilament actin-bundling protein. <i>Nature Cell Biology</i> , 2020, 22, 674-688.	10.3	70
6	Functional characterization of 67 endocytic accessory proteins using multiparametric quantitative analysis of CCP dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31591-31602.	7.1	34
7	Wbox2: A clathrin terminal domain-derived peptide inhibitor of clathrin-mediated endocytosis. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	13
8	DASC, a sensitive classifier for measuring discrete early stages in clathrin-mediated endocytosis. <i>ELife</i> , 2020, 9, .	6.0	23
9	Abstract 3675: HER2 missense mutations in breast cancer cells do not alter HER2 internalization or sensitivity to T-DM1. , 2020, , .		0
10	Mutant p53 amplifies a dynamin-1/APPL1 endosome feedback loop that regulates recycling and migration. <i>Journal of Cell Biology</i> , 2019, 218, 1928-1942.	5.2	17
11	Cell type and receptor identity regulate cholera toxin subunit B (CTB) internalization. <i>Interface Focus</i> , 2019, 9, 20180076.	3.0	25
12	Regulation of Clathrin-Mediated Endocytosis. <i>Annual Review of Biochemistry</i> , 2018, 87, 871-896.	11.1	381
13	Differential glucose requirement in skin homeostasis and injury identifies a therapeutic target for psoriasis. <i>Nature Medicine</i> , 2018, 24, 617-627.	30.7	117
14	Crosstalk between CLCb/Dyn1-Mediated Adaptive Clathrin-Mediated Endocytosis and Epidermal Growth Factor Receptor Signaling Increases Metastasis. <i>Developmental Cell</i> , 2017, 40, 278-288.e5.	7.0	72
15	Control of actin polymerization via the coincidence of phosphoinositides and high membrane curvature. <i>Journal of Cell Biology</i> , 2017, 216, 3745-3765.	5.2	79
16	Diagonally Scanned Light-Sheet Microscopy for Fast Volumetric Imaging of Adherent Cells. <i>Biophysical Journal</i> , 2016, 110, 1456-1465.	0.5	50
17	Ikarugamycin: A Natural Product Inhibitor of Clathrin-Mediated Endocytosis. <i>Traffic</i> , 2016, 17, 1139-1149.	2.7	65
18	Cell-Based Screen Identifies Human Interferon-Stimulated Regulators of <i>Listeria monocytogenes</i> Infection. <i>PLoS Pathogens</i> , 2016, 12, e1006102.	4.7	26

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19	Crosstalk between Akt/ GSK-3 $\beta$ signaling and dynamin-1 regulates clathrin-mediated endocytosis. <i>EMBO Journal</i> , 2015, 34, 2132-2146.	7.8	116
20	Fucosylation and protein glycosylation create functional receptors for cholera toxin. <i>ELife</i> , 2015, 4, e09545.	6.0	81
21	A Protein Kinase C Phosphorylation Motif in GLUT1 Affects Glucose Transport and is Mutated in GLUT1 Deficiency Syndrome. <i>Molecular Cell</i> , 2015, 58, 845-853.	9.7	108
22	Imaging and Modeling the Dynamics of Clathrin-Mediated Endocytosis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a017038-a017038.	5.5	44
23	An siRNA screen for NFAT activation identifies septins as coordinators of store-operated Ca <sup>2+</sup> entry. <i>Nature</i> , 2013, 499, 238-242.	27.8	207
24	Advances in Analysis of Low Signal-to-Noise Images Link Dynamin and AP2 to the Functions of an Endocytic Checkpoint. <i>Developmental Cell</i> , 2013, 26, 279-291.	7.0	330
25	Lipid switches and traffic control. <i>Nature</i> , 2013, 499, 161-162.	27.8	21
26	Regulation of early stages in clathrin mediated endocytosis revealed by quantitative analyses in living cells. <i>FASEB Journal</i> , 2013, 27, 75.2.	0.5	0
27	Context-Dependent Proangiogenic Function of Bone Morphogenetic Protein Signaling Is Mediated by Disabled Homolog 2. <i>Developmental Cell</i> , 2012, 23, 441-448.	7.0	59
28	Novel Modulators of STIM-ORAI Calcium Entry Pathway. <i>Biophysical Journal</i> , 2012, 102, 314a.	0.5	0
29	Structural Tuning of the Fluorescent Protein iLOV for Improved Photostability. <i>Journal of Biological Chemistry</i> , 2012, 287, 22295-22304.	3.4	130
30	Measuring the Hierarchy of Molecular Events During Clathrin-Mediated Endocytosis. <i>Traffic</i> , 2011, 12, 815-825.	2.7	63
31	Hotspots Organize Clathrin-Mediated Endocytosis by Efficient Recruitment and Retention of Nucleating Resources. <i>Traffic</i> , 2011, 12, 1868-1878.	2.7	53
32	Cargo- and adaptor-specific mechanisms regulate clathrin-mediated endocytosis. <i>Journal of Cell Biology</i> , 2010, 188, 919-933.	5.2	137
33	Cargo and Dynamin Regulate Clathrin-Coated Pit Maturation. <i>PLoS Biology</i> , 2009, 7, e1000057.	5.6	357
34	Endocytic Accessory Proteins Are Functionally Distinguished by Their Differential Effects on the Maturation of Clathrin-coated Pits. <i>Molecular Biology of the Cell</i> , 2009, 20, 3251-3260.	2.1	115
35	Dissecting dynamin's role in clathrin-mediated endocytosis. <i>Biochemical Society Transactions</i> , 2009, 37, 1022-1026.	3.4	169
36	Robust single-particle tracking in live-cell time-lapse sequences. <i>Nature Methods</i> , 2008, 5, 695-702.	19.0	1,658

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37	Differential subcellular membrane recruitment of Src may specify its downstream signalling. <i>Experimental Cell Research</i> , 2008, 314, 1465-1479.	2.6	35
38	Agents Blocking the Nuclear Factor- $\kappa$ B Pathway Are Effective Inhibitors of Endometriosis in an in vivo Experimental Model. <i>Gynecologic and Obstetric Investigation</i> , 2008, 65, 174-186.	1.6	77
39	Constitutive diffuse activation of phosphoinositide 3-kinase at the plasma membrane by v-Src suppresses the chemotactic response to PDGF by abrogating the polarity of PDGF receptor signalling. <i>Experimental Cell Research</i> , 2007, 313, 1090-1105.	2.6	5
40	Src Triggers Circular Ruffling and Macropinocytosis at the Apical Surface of Polarized MDCK Cells. <i>Traffic</i> , 2006, 7, 589-603.	2.7	80
41	Quantification of endometriotic lesions in a murine model by fluorimetric and morphometric analyses. <i>Human Reproduction</i> , 2006, 21, 810-817.	0.9	21
42	Regulation of matrix metalloproteinase (MMP) activity by the low-density lipoprotein receptor-related protein (LRP). A new function for an "old friend". <i>Biochimie</i> , 2005, 87, 369-376.	2.6	49
43	v-Src accelerates spontaneous motility via phosphoinositide 3-kinase, phospholipase C and phospholipase D, but abrogates chemotaxis in Rat-1 and MDCK cells. <i>Journal of Cell Science</i> , 2004, 117, 4849-4861.	2.0	20
44	Azithromycin, a Lysosomotropic Antibiotic, Has Distinct Effects on Fluid-Phase and Receptor-Mediated Endocytosis, but Does Not Impair Phagocytosis in J774 Macrophages. <i>Experimental Cell Research</i> , 2002, 281, 86-100.	2.6	76
45	Azithromycin, a Lysosomotropic Antibiotic, Has Distinct Effects on Fluid-Phase and Receptor-Mediated Endocytosis, but Does Not Impair Phagocytosis in J774 Macrophages. <i>Experimental Cell Research</i> , 2002, 281, 86-86.	2.6	6
46	Origin, originality, functions, subversions and molecular signalling of macropinocytosis. <i>International Journal of Medical Microbiology</i> , 2001, 291, 487-494.	3.6	144