

Mark Marsh

List of Publications by Year in descending order

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140
papers

14,319
citations

19657

61
h-index

20358

116
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171
all docs

171
docs citations

171
times ranked

13016
citing authors

#	ARTICLE	IF	CITATIONS
1	A cellular trafficking signal in the SIV envelope protein cytoplasmic domain is strongly selected for in pathogenic infection. PLoS Pathogens, 2022, 18, e1010507.	4.7	4
2	Nanoparticle entry into cells; the cell biology weak link. Advanced Drug Delivery Reviews, 2022, 188, 114403.	13.7	31
3	Single-Molecule Super-Resolution Imaging of T-Cell Plasma Membrane CD4 Redistribution upon HIV-1 Binding. Viruses, 2021, 13, 142.	3.3	10
4	Application of Super-Resolution and Advanced Quantitative Microscopy to the Spatio-Temporal Analysis of Influenza Virus Replication. Viruses, 2021, 13, 233.	3.3	9
5	A biophysical perspective on receptor-mediated virus entry with a focus on HIV. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183158.	2.6	12
6	Twenty years of <i>Traffic</i> . Traffic, 2020, 21, 4-5.	2.7	2
7	Two-pore channels as master regulators of membrane trafficking and endocytic well-being. Current Opinion in Physiology, 2020, 17, 163-168.	1.8	19
8	A new direction for <i>Traffic</i> . Traffic, 2020, 21, 724-724.	2.7	2
9	Rapid formation of human immunodeficiency virus-like particles. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21637-21646.	7.1	28
10	Super-resolution beacons: Open-source probes with spontaneous tuneable blinking compatible with live-cell super-resolution microscopy. Traffic, 2020, 21, 375-385.	2.7	9
11	The Nef Protein of the Macrophage Tropic HIV-1 Strain AD8 Counteracts Human BST-2/Tetherin. Viruses, 2020, 12, 459.	3.3	5
12	Bat IFITM3 restriction depends on S-palmitoylation and a polymorphic site within the CD225 domain. Life Science Alliance, 2020, 3, e201900542.	2.8	32
13	Fix Your Membrane Receptor Imaging: Actin Cytoskeleton and CD4 Membrane Organization Disruption by Chemical Fixation. Frontiers in Immunology, 2019, 10, 675.	4.8	57
14	Identification of Broad-Spectrum Antiviral Compounds by Targeting Viral Entry. Viruses, 2019, 11, 176.	3.3	48
15	Mining of Ebola virus entry inhibitors identifies approved drugs as two-pore channel pore blockers. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1151-1161.	4.1	62
16	Targeting viral entry as a strategy for broad-spectrum antivirals. F1000Research, 2019, 8, 1628.	1.6	67
17	KHNYN is essential for the zinc finger antiviral protein (ZAP) to restrict HIV-1 containing clustered CpG dinucleotides. ELife, 2019, 8, .	6.0	98
18	Alphavirus-induced hyperactivation of PI3K/AKT directs pro-viral metabolic changes. PLoS Pathogens, 2018, 14, e1006835.	4.7	50

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19	3D correlative light and electron microscopy of cultured cells using serial blockface scanning electron microscopy. <i>Journal of Cell Science</i> , 2017, 130, 278-291.	2.0	84
20	The intracellular plasma membrane-connected compartment in the assembly of HIV-1 in human macrophages. <i>BMC Biology</i> , 2016, 14, 50.	3.8	37
21	Regulation of post-Golgi LH3 trafficking is essential for collagen homeostasis. <i>Nature Communications</i> , 2016, 7, 12111.	12.8	54
22	Alphavirus Restriction by <sc>IFITM</sc> Proteins. <i>Traffic</i> , 2016, 17, 997-1013.	2.7	42
23	Elite Control, Gut CD4 T Cell Sparing, and Enhanced Mucosal T Cell Responses in <i>Macaca nemestrina</i> Infected by a Simian Immunodeficiency Virus Lacking a gp41 Trafficking Motif. <i>Journal of Virology</i> , 2015, 89, 10156-10175.	3.4	19
24	Alan Hall (1952–2015). <i>Science</i> , 2015, 350, 1039-1039.	12.6	0
25	Signal Peptide-Binding Drug as a Selective Inhibitor of Co-Translational Protein Translocation. <i>PLoS Biology</i> , 2014, 12, e1002011.	5.6	39
26	Tetherin Can Restrict Cell-Free and Cell-Cell Transmission of HIV from Primary Macrophages to T Cells. <i>PLoS Pathogens</i> , 2014, 10, e1004189.	4.7	55
27	Flat clathrin lattices: stable features of the plasma membrane. <i>Molecular Biology of the Cell</i> , 2014, 25, 3581-3594.	2.1	103
28	IFITM proteins are cellular inhibitors of viral entry. <i>Current Opinion in Virology</i> , 2014, 4, 71-77.	5.4	112
29	Editorial Overview - Virus entry: Towards reality - Refining models of virus entry. <i>Current Opinion in Virology</i> , 2014, 4, v-vi.	5.4	0
30	A Membrane Topology Model for Human Interferon Inducible Transmembrane Protein 1. <i>PLoS ONE</i> , 2014, 9, e104341.	2.5	72
31	Characterization of tetraspanins CD9, CD53, CD63, and CD81 in monocytes and macrophages in HIV-1 infection. <i>Journal of Leukocyte Biology</i> , 2013, 93, 913-920.	3.3	43
32	Misuse of Journal Impact Factors in Scientific Assessment. <i>Traffic</i> , 2013, 14, 611-612.	2.7	9
33	Organization and regulation of intracellular plasma membrane-connected HIV-1 assembly compartments in macrophages. <i>BMC Biology</i> , 2013, 11, 89.	3.8	38
34	Tetherin Restricts Herpes Simplex Virus 1 and Is Antagonized by Glycoprotein M. <i>Journal of Virology</i> , 2013, 87, 13124-13133.	3.4	56
35	Cellular Trafficking Mechanisms in the Assembly and Release of HIV. , 2013, , 23-53.		2
36	Single-cell analysis of population context advances RNAi screening at multiple levels. <i>Molecular Systems Biology</i> , 2012, 8, 579.	7.2	153

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37	Regulation of Endocytic Clathrin Dynamics by Cargo Ubiquitination. <i>Developmental Cell</i> , 2012, 23, 519-532.	7.0	99
38	β2 Integrin Adhesion Complexes Maintain the Integrity of HIV-1 Assembly Compartments in Primary Macrophages. <i>Traffic</i> , 2012, 13, 273-291.	2.7	39
39	The cell biology of receptor-mediated virus entry. <i>Journal of Cell Biology</i> , 2011, 195, 1071-1082.	5.2	425
40	The Role of Ubiquitination in Lysosomal Trafficking of Opioid Receptors. <i>Traffic</i> , 2011, 12, 170-184.	2.7	67
41	Diacylglycerol kinase β regulates the formation and polarisation of mature multivesicular bodies involved in the secretion of Fas ligand-containing exosomes in T lymphocytes. <i>Cell Death and Differentiation</i> , 2011, 18, 1161-1173.	11.2	141
42	The ESCRT-0 Component HRS is Required for HIV-1 Vpu-Mediated BST-2/Tetherin Down-Regulation. <i>PLoS Pathogens</i> , 2011, 7, e1001265.	4.7	93
43	Rab7A Is Required for Efficient Production of Infectious HIV-1. <i>PLoS Pathogens</i> , 2011, 7, e1002347.	4.7	53
44	Life History of the Journal TRAFFIC, Celebrating Ten Years of Publication. <i>Traffic</i> , 2010, 11, 1-3.	2.7	4
45	Chapter 18 Analysis of Chemokine Receptor Endocytosis and Intracellular Trafficking. <i>Methods in Enzymology</i> , 2009, 460, 357-377.	1.0	10
46	Disordered macrophage cytokine secretion underlies impaired acute inflammation and bacterial clearance in Crohn's disease. <i>Journal of Experimental Medicine</i> , 2009, 206, 2301-2301.	8.5	5
47	Simian immunodeficiency virus envelope glycoprotein counteracts tetherin/BST-2/CD317 by intracellular sequestration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20889-20894.	7.1	151
48	Disordered macrophage cytokine secretion underlies impaired acute inflammation and bacterial clearance in Crohn's disease. <i>Journal of Experimental Medicine</i> , 2009, 206, 1883-1897.	8.5	368
49	Inositol pyrophosphate mediated pyrophosphorylation of AP3B1 regulates HIV-1 Gag release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21161-21166.	7.1	127
50	HIV assembly and budding in macrophages. <i>Biochemical Society Transactions</i> , 2009, 37, 185-189.	3.4	26
51	No ESCRTs for Exosomes. <i>Science</i> , 2008, 319, 1191-1192.	12.6	73
52	CD63 Is Not Required for Production of Infectious Human Immunodeficiency Virus Type 1 in Human Macrophages. <i>Journal of Virology</i> , 2008, 82, 4751-4761.	3.4	46
53	Bluetongue Virus Entry into Cells. <i>Journal of Virology</i> , 2008, 82, 1626-1626.	3.4	0
54	Bluetongue Virus Entry into Cells. <i>Journal of Virology</i> , 2007, 81, 4819-4827.	3.4	82

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55	In macrophages, HIV-1 assembles into an intracellular plasma membrane domain containing the tetraspanins CD81, CD9, and CD53. <i>Journal of Cell Biology</i> , 2007, 177, 329-341.	5.2	292
56	A Conserved Dileucine Motif Mediates Clathrin and AP-2-dependent Endocytosis of the HIV-1 Envelope Protein. <i>Molecular Biology of the Cell</i> , 2007, 18, 414-425.	2.1	120
57	ALIX Catches HIV. <i>Cell Host and Microbe</i> , 2007, 1, 5-7.	11.0	15
58	Electron Microscopy Analysis of Viral Morphogenesis. <i>Methods in Cell Biology</i> , 2007, 79, 515-542.	1.1	14
59	The ESCRT machinery is not required for human cytomegalovirus envelopment. <i>Cellular Microbiology</i> , 2007, 9, 2955-2967.	2.1	65
60	In macrophages, HIV-1 assembles into an intracellular plasma membrane domain containing the tetraspanins CD81, CD9, and CD53. <i>Journal of Experimental Medicine</i> , 2007, 204, i13-i13.	8.5	0
61	Virus Entry: Open Sesame. <i>Cell</i> , 2006, 124, 729-740.	28.9	1,016
62	Endosomes—Key Components in Viral Entry and Replication. , 2006, , 132-144.		1
63	HIV-1 Trafficking to the Dendritic Cell-T-Cell Infectious Synapse Uses a Pathway of Tetraspanin Sorting to the Immunological Synapse. <i>Traffic</i> , 2005, 6, 488-501.	2.7	219
64	Agonist-induced Endocytosis of CC Chemokine Receptor 5 Is Clathrin Dependent. <i>Molecular Biology of the Cell</i> , 2005, 16, 902-917.	2.1	84
65	HIV interaction with endosomes in macrophages and dendritic cells. <i>Blood Cells, Molecules, and Diseases</i> , 2005, 35, 136-142.	1.4	71
66	Multiphoton-FLIM Quantification of the EGFP-mRFP1 FRET Pair for Localization of Membrane Receptor-Kinase Interactions. <i>Biophysical Journal</i> , 2005, 88, 1224-1237.	0.5	199
67	Trafficking of Viral Membrane Proteins. , 2005, 285, 219-254.		12
68	pH-Independent Endocytic Cycling of the Chemokine Receptor CCR5. <i>Traffic</i> , 2004, 5, 529-543.	2.7	26
69	Endosomes, exosomes and Trojan viruses. <i>Trends in Microbiology</i> , 2004, 12, 310-316.	7.7	151
70	The on-off story of protein palmitoylation. <i>Trends in Cell Biology</i> , 2003, 13, 32-42.	7.9	289
71	Endocytosis of the Viral Chemokine Receptor US28 Does Not Require Beta-Arrestins But Is Dependent on the Clathrin-Mediated Pathway. <i>Traffic</i> , 2003, 4, 243-253.	2.7	103
72	Open Access to Traffic. <i>Traffic</i> , 2003, 4, 357-357.	2.7	0

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73	HIV's great escape. <i>Nature Medicine</i> , 2003, 9, 1262-1263.	30.7	20
74	Infectious HIV-1 assembles in late endosomes in primary macrophages. <i>Journal of Cell Biology</i> , 2003, 162, 443-455.	5.2	443
75	NK1 Receptor Fused to β -Arrestin Displays a Single-Component, High-Affinity Molecular Phenotype. <i>Molecular Pharmacology</i> , 2002, 62, 30-37.	2.3	38
76	Localization of HCMV UL33 and US27 in Endocytic Compartments and Viral Membranes. <i>Traffic</i> , 2002, 3, 218-232.	2.7	138
77	Traffic Changes with Increased Flow. <i>Traffic</i> , 2002, 3, 1-1.	2.7	0
78	Into the fast lane with MEDLINE!. <i>Traffic</i> , 2001, 2, 1-1.	2.7	1
79	Traffic is Gaining Momentum. <i>Traffic</i> , 2001, 2, 745-745.	2.7	0
80	In Vivo Attenuation of Simian Immunodeficiency Virus by Disruption of a Tyrosine-Dependent Sorting Signal in the Envelope Glycoprotein Cytoplasmic Tail. <i>Journal of Virology</i> , 2001, 75, 278-291.	3.4	78
81	The Human Cytomegalovirus US28 Protein Is Located in Endocytic Vesicles and Undergoes Constitutive Endocytosis and Recycling. <i>Molecular Biology of the Cell</i> , 2001, 12, 1737-1749.	2.1	167
82	Endocytosis in Viral Replication. <i>Traffic</i> , 2000, 1, 525-532.	2.7	83
83	The Simian Immunodeficiency Virus Envelope Glycoprotein Contains Multiple Signals that Regulate its Cell Surface Expression and Endocytosis. <i>Traffic</i> , 2000, 1, 661-674.	2.7	64
84	Dendritic cells: New roles for Cdc42 and Rac in antigen uptake?. <i>Current Biology</i> , 2000, 10, R739-R741.	3.9	65
85	Analysis of Chemokine Receptor Endocytosis and Recycling. , 2000, 138, 197-207.		10
86	Endocytosis and Recycling of the HIV Coreceptor Ccr5. <i>Journal of Cell Biology</i> , 2000, 151, 1281-1294.	5.2	172
87	Hsp90 Is Essential for the Synthesis and Subsequent Membrane Association, But Not the Maintenance, of the Src-Kinase p56 ^{lck} . <i>Molecular Biology of the Cell</i> , 2000, 11, 1585-1595.	2.1	86
88	Trafficking of an Acylated Cytosolic Protein: Newly Synthesized p56 ^{lck} Travels to the Plasma Membrane via the Exocytic Pathway. <i>Journal of Cell Biology</i> , 1999, 145, 457-468.	5.2	54
89	B Cell Antigen Receptor Engagement Inhibits Stromal Cell-derived Factor (SDF)-1 α Chemotaxis and Promotes Protein Kinase C (PKC)-induced Internalization of CXCR4. <i>Journal of Experimental Medicine</i> , 1999, 189, 1461-1466.	8.5	96
90	Cluster of Differentiation Antigen 4 (CD4) Endocytosis and Adaptor Complex Binding Require Activation of the CD4 Endocytosis Signal by Serine Phosphorylation. <i>Molecular Biology of the Cell</i> , 1999, 10, 677-691.	2.1	151

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91	Chemokine receptor trafficking and viral replication. <i>Immunological Reviews</i> , 1999, 168, 33-49.	6.0	73
92	Journal review: A new Nature. <i>Trends in Cell Biology</i> , 1999, 9, 421.	7.9	0
93	The Structural Era of Endocytosis. <i>Science</i> , 1999, 285, 215-220.	12.6	510
94	CD4-Chemokine Receptor Hybrids in Human Immunodeficiency Virus Type 1 Infection. <i>Journal of Virology</i> , 1999, 73, 7453-7466.	3.4	14
95	Mechanisms of enveloped virus entry into animal cells. <i>Advanced Drug Delivery Reviews</i> , 1998, 34, 65-91.	13.7	80
96	Nef— an adaptor adaptor?. <i>Trends in Cell Biology</i> , 1998, 8, 302-305.	7.9	50
97	Lack of p56 ^{lck} expression correlates with CD4 endocytosis in primary lymphoid and myeloid cells. <i>European Journal of Immunology</i> , 1998, 28, 3639-3647.	2.9	44
98	Aminoxyptentane-RANTES Induces CCR5 Internalization but Inhibits Recycling: A Novel Inhibitory Mechanism of HIV Infectivity. <i>Journal of Experimental Medicine</i> , 1998, 187, 1215-1224.	8.5	399
99	The Protein Tyrosine Kinase p56 ^{lck} Is Required for Triggering NF- κ B Activation upon Interaction of Human Immunodeficiency Virus Type 1 Envelope Glycoprotein gp120 with Cell Surface CD4. <i>Journal of Virology</i> , 1998, 72, 6207-6214.	3.4	43
100	Intrinsic Signals in the Unique Domain Target p56 ^{lck} to the Plasma Membrane Independently of CD4. <i>Journal of Cell Biology</i> , 1997, 137, 1029-1040.	5.2	82
101	Phorbol Esters and SDF-1 Induce Rapid Endocytosis and Down Modulation of the Chemokine Receptor CXCR4. <i>Journal of Cell Biology</i> , 1997, 139, 651-664.	5.2	357
102	CD4: A co-receptor in the immune response and HIV infection. <i>International Journal of Biochemistry and Cell Biology</i> , 1997, 29, 871-875.	2.8	33
103	Roles for endocytosis in lentiviral replication. <i>Trends in Cell Biology</i> , 1997, 7, 1-4.	7.9	23
104	CD4-Independent Infection by HIV-2 Is Mediated by Fusin/CXCR4. <i>Cell</i> , 1996, 87, 745-756.	28.9	729
105	Chemokine receptors — the new frontier for AIDS research. <i>Chemistry and Biology</i> , 1996, 3, 603-609.	6.0	50
106	An internalization signal in the simian immunodeficiency virus transmembrane protein cytoplasmic domain modulates expression of envelope glycoproteins on the cell surface.. <i>Journal of Cell Biology</i> , 1996, 132, 795-811.	5.2	146
107	Entry of Animal Viruses into Cells. <i>Reviews in Medical Virology</i> , 1993, 3, 173-185.	8.3	22
108	Taking the Rabs off endocytosis. <i>Current Biology</i> , 1993, 3, 30-32.	3.9	10

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109	Endocytosis and pasta. Trends in Cell Biology, 1993, 3, 316-318.	7.9	3
110	Phorbol ester-induced downregulation of CD4 is a multistep process involving dissociation from p56lck, increased association with clathrin-coated pits, and altered endosomal sorting.. Journal of Experimental Medicine, 1993, 178, 1209-1222.	8.5	150
111	Expression of HIV-1 Envelope Glycoproteins by Semliki Forest Virus Vectors. AIDS Research and Human Retroviruses, 1993, 9, 963-970.	1.1	43
112	[19] Biochemical and morphological assays of virus entry. Methods in Enzymology, 1993, 220, 249-261.	1.0	1
113	Endocytic regulation of the T lymphocyte co-receptor proteins CD4 and CD8. Biochemical Society Transactions, 1993, 21, 703-706.	3.4	8
114	The protein tyrosine kinase p56lck inhibits CD4 endocytosis by preventing entry of CD4 into coated pits. Journal of Cell Biology, 1992, 117, 279-290.	5.2	155
115	Morphological analysis of the regulation of CD4 endocytosis by p56lck. Biochemical Society Transactions, 1992, 20, 719-724.	3.4	3
116	Keeping the viral coat on. Current Biology, 1992, 2, 379-381.	3.9	11
117	Intracellular trafficking of proteins. Trends in Cell Biology, 1992, 2, 32.	7.9	0
118	On the Role of Endocytosis in the Entry of Animal Viruses. , 1992, , 399-404.		0
119	The V3 Loops of the HIV-1 and HTV-2 Surface Glycoproteins Contain Proteolytic Cleavage Sites: A Possible Function in Viral Fusion?. AIDS Research and Human Retroviruses, 1991, 7, 3-16.	1.1	305
120	Endosome and Lysosome Purification by Free-Flow Electrophoresis. , 1991, , 199-214.		0
121	Endocytosis and recycling of CD4. Biochemical Society Transactions, 1990, 18, 139-143.	3.4	15
122	A quantitative analysis of the endocytic pathway in baby hamster kidney cells.. Journal of Cell Biology, 1989, 109, 2703-2720.	5.2	297
123	Binding and entry of animal viruses. Advanced Drug Delivery Reviews, 1989, 4, 1-26.	13.7	20
124	Virus Entry into Animal Cells. Advances in Virus Research, 1989, 36, 107-151.	2.1	643
125	The t complex polypeptide 1 (TCP-1) is associated with the cytoplasmic aspect of Golgi membranes. Cell, 1989, 57, 621-632.	28.9	90
126	The CD4 receptor for the AIDS virus. Biochemical Society Transactions, 1989, 17, 644-647.	3.4	6

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127	Chapter 17 Endosome and Lysosome Purification by Free-Flow Electrophoresis. <i>Methods in Cell Biology</i> , 1989, 31, 319-334.	1.1	12
128	Rapid analytical and preparative isolation of functional endosomes by free flow electrophoresis. <i>Journal of Cell Biology</i> , 1987, 104, 875-886.	5.2	213
129	How do human immunodeficiency viruses enter cells?. <i>Trends in Immunology</i> , 1987, 8, 369-371.	7.5	23
130	Transport of macrophage Fc receptors and Fc receptor-bound ligands to lysosomes.. <i>Journal of Experimental Medicine</i> , 1986, 163, 952-971.	8.5	141
131	Glycoproteins of the lysosomal membrane.. <i>Journal of Cell Biology</i> , 1985, 100, 1839-1847.	5.2	289
132	Semliki forest virus entry and the endocytic pathway. <i>Biochemical Society Transactions</i> , 1984, 12, 981-983.	3.4	25
133	Penetration of semliki forest virus from acidic prelysosomal vacuoles. <i>Cell</i> , 1983, 32, 931-940.	28.9	426
134	Acidification of macrophage and fibroblast endocytic vesicles in vitro.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1983, 80, 3334-3338.	7.1	334
135	[20] Binding, endocytosis, and degradation of enveloped animal viruses. <i>Methods in Enzymology</i> , 1983, 98, 260-266.	1.0	12
136	Monensin inhibits Semliki Forest virus penetration into culture cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1982, 79, 5297-5301.	7.1	152
137	Endocytosis of Enveloped Animal Viruses. <i>Novartis Foundation Symposium</i> , 1982, , 59-76.	1.1	30
138	Adsorptive endocytosis of Semliki Forest virus. <i>Journal of Molecular Biology</i> , 1980, 142, 439-454.	4.2	383
139	The entry of viruses into animal cells. <i>Trends in Biochemical Sciences</i> , 1980, 5, 104-106.	7.5	106
140	Cell Biology of Virus Infection. , 0, , 517-542.		0