Mark Marsh

List of Publications by Year
in descending order

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140 papers	14,319 citations	20759 60 h-index	20307 116 g-index
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.	2.1	4
2	Nanoparticle entry into cells; the cell biology weak link. Advanced Drug Delivery Reviews, 2022, 188, 114403.	6.6	31
3	Single-Molecule Super-Resolution Imaging of T-Cell Plasma Membrane CD4 Redistribution upon HIV-1 Binding. Viruses, 2021, 13, 142.	1.5	10
4	Application of Super-Resolution and Advanced Quantitative Microscopy to the Spatio-Temporal Analysis of Influenza Virus Replication. Viruses, 2021, 13, 233.	1.5	9
5	A biophysical perspective on receptor-mediated virus entry with a focus on HIV. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183158.	1.4	12
6	Twenty years of Traffic. Traffic, 2020, 21, 4-5.	1.3	2
7	Two-pore channels as master regulators of membrane trafficking and endocytic well-being. Current Opinion in Physiology, 2020, 17, 163-168.	0.9	19
8	A new direction for <scp>Traffic</scp>. Traffic, 2020, 21, 724-724.	1.3	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.	3.3	28
10	Superâ€beacons: Openâ€source probes with spontaneous tuneable blinking compatible with liveâ€cell superâ€resolution microscopy. Traffic, 2020, 21, 375-385.	1.3	9
11	The Nef Protein of the Macrophage Tropic HIV-1 Strain AD8 Counteracts Human BST-2/Tetherin. Viruses, 2020, 12, 459.	1.5	5
12	Bat IFITM3 restriction depends on S-palmitoylation and a polymorphic site within the CD225 domain. Life Science Alliance, 2020, 3, e201900542.	1.3	32
13	Fix Your Membrane Receptor Imaging: Actin Cytoskeleton and CD4 Membrane Organization Disruption by Chemical Fixation. Frontiers in Immunology, 2019, 10, 675.	2.2	57
14	Identification of Broad-Spectrum Antiviral Compounds by Targeting Viral Entry. Viruses, 2019, 11, 176.	1.5	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.	1.9	62
16	Targeting viral entry as a strategy for broad-spectrum antivirals. F1000Research, 2019, 8, 1628.	0.8	67
17	KHNYN is essential for the zinc finger antiviral protein (ZAP) to restrict HIV-1 containing clustered CpG dinucleotides. ELife, 2019, 8, .	2.8	98
18	Alphavirus-induced hyperactivation of PI3K/AKT directs pro-viral metabolic changes. PLoS Pathogens, 2018, 14, e1006835.	2.1	50

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19	3D correlative light and electron microscopy of cultured cells using serial blockface scanning electron microscopy. Journal of Cell Science, 2017, 130, 278-291.	1.2	84
20	The intracellular plasma membrane-connected compartment in the assembly of HIV-1 in human macrophages. BMC Biology, 2016, 14, 50.	1.7	37
21	Regulation of post-Golgi LH3 trafficking is essential for collagen homeostasis. Nature Communications, 2016, 7, 12111.	5.8	54
22	Alphavirus Restriction by <scp>IFITM</scp> Proteins. Traffic, 2016, 17, 997-1013.	1.3	42
23	Elite Control, Gut CD4 T Cell Sparing, and Enhanced Mucosal T Cell Responses in Macaca nemestrina Infected by a Simian Immunodeficiency Virus Lacking a gp41 Trafficking Motif. Journal of Virology, 2015, 89, 10156-10175.	1.5	19
24	Alan Hall (1952â€“2015). Science, 2015, 350, 1039-1039.	6.0	0
25	Signal Peptide-Binding Drug as a Selective Inhibitor of Co-Translational Protein Translocation. PLoS Biology, 2014, 12, e1002011.	2.6	39
26	Tetherin Can Restrict Cell-Free and Cell-Cell Transmission of HIV from Primary Macrophages to T Cells. PLoS Pathogens, 2014, 10, e1004189.	2.1	55
27	Flat clathrin lattices: stable features of the plasma membrane. Molecular Biology of the Cell, 2014, 25, 3581-3594.	0.9	103
28	IFITM proteinsâ€”cellular inhibitors of viral entry. Current Opinion in Virology, 2014, 4, 71-77.	2.6	112
29	Editorial Overview - Virus entry: Towards reality - Refining models of virus entry. Current Opinion in Virology, 2014, 4, v-vi.	2.6	0
30	A Membrane Topology Model for Human Interferon Inducible Transmembrane Protein 1. PLoS ONE, 2014, 9, e104341.	1.1	72
31	Characterization of tetraspanins CD9, CD53, CD63, and CD81 in monocytes and macrophages in HIV-1 infection. Journal of Leukocyte Biology, 2013, 93, 913-920.	1.5	43
32	Misuse of Journal Impact Factors in Scientific Assessment. Traffic, 2013, 14, 611-612.	1.3	9
33	Organization and regulation of intracellular plasma membrane-connected HIV-1 assembly compartments in macrophages. BMC Biology, 2013, 11, 89.	1.7	38
34	Tetherin Restricts Herpes Simplex Virus 1 and Is Antagonized by Glycoprotein M. Journal of Virology, 2013, 87, 13124-13133.	1.5	56
35	Cellular Trafficking Mechanisms in the Assembly and Release of HIV. , 2013, , 23-53.		2
36	Singleâ€cell analysis of population context advances RNAi screening at multiple levels. Molecular Systems Biology, 2012, 8, 579.	3.2	153

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37	Regulation of Endocytic Clathrin Dynamics by Cargo Ubiquitination. Developmental Cell, 2012, 23, 519-532.	3.1	99
38	Î²2 Integrin Adhesion Complexes Maintain the Integrity of <scp>HIV</scp>â€1 Assembly Compartments in Primary Macrophages. Traffic, 2012, 13, 273-291.	1.3	39
39	The cell biology of receptor-mediated virus entry. Journal of Cell Biology, 2011, 195, 1071-1082.	2.3	425
40	The Role of Ubiquitination in Lysosomal Trafficking of Î´â€Opioid Receptors. Traffic, 2011, 12, 170-184.	1.3	67
41	Diacylglycerol kinase Î± regulates the formation and polarisation of mature multivesicular bodies involved in the secretion of Fas ligand-containing exosomes in T lymphocytes. Cell Death and Differentiation, 2011, 18, 1161-1173.	5.0	141
42	The ESCRT-0 Component HRS is Required for HIV-1 Vpu-Mediated BST-2/Tetherin Down-Regulation. PLoS Pathogens, 2011, 7, e1001265.	2.1	93
43	Rab7A Is Required for Efficient Production of Infectious HIV-1. PLoS Pathogens, 2011, 7, e1002347.	2.1	53
44	Life History of the Journal TRAFFIC, Celebrating Ten Years of Publication. Traffic, 2010, 11, 1-3.	1.3	4
45	Chapter 18 Analysis of Chemokine Receptor Endocytosis and Intracellular Trafficking. Methods in Enzymology, 2009, 460, 357-377.	0.4	10
46	Disordered macrophage cytokine secretion underlies impaired acute inflammation and bacterial clearance in Crohn's disease. Journal of Experimental Medicine, 2009, 206, 2301-2301.	4.2	5
47	Simian immunodeficiency virus envelope glycoprotein counteracts tetherin/BST-2/CD317 by intracellular sequestration. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20889-20894.	3.3	151
48	Disordered macrophage cytokine secretion underlies impaired acute inflammation and bacterial clearance in Crohn's disease. Journal of Experimental Medicine, 2009, 206, 1883-1897.	4.2	368
49	Inositol pyrophosphate mediated pyrophosphorylation of AP3B1 regulates HIV-1 Gag release. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21161-21166.	3.3	127
50	HIV assembly and budding in macrophages. Biochemical Society Transactions, 2009, 37, 185-189.	1.6	26
51	No ESCRTs for Exosomes. Science, 2008, 319, 1191-1192.	6.0	73
52	CD63 Is Not Required for Production of Infectious Human Immunodeficiency Virus Type 1 in Human Macrophages. Journal of Virology, 2008, 82, 4751-4761.	1.5	46
53	Bluetongue Virus Entry into Cells. Journal of Virology, 2008, 82, 1626-1626.	1.5	0
54	Bluetongue Virus Entry into Cells. Journal of Virology, 2007, 81, 4819-4827.	1.5	82

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55	In macrophages, HIV-1 assembles into an intracellular plasma membrane domain containing the tetraspanins CD81, CD9, and CD53. Journal of Cell Biology, 2007, 177, 329-341.	2.3	292
56	A Conserved Dileucine Motif Mediates Clathrin and AP-2â€“dependent Endocytosis of the HIV-1 Envelope Protein. Molecular Biology of the Cell, 2007, 18, 414-425.	0.9	120
57	ALIX Catches HIV. Cell Host and Microbe, 2007, 1, 5-7.	5.1	15
58	Electron Microscopy Analysis of Viral Morphogenesis. Methods in Cell Biology, 2007, 79, 515-542.	0.5	14
59	The ESCRT machinery is not required for human cytomegalovirus envelopment. Cellular Microbiology, 2007, 9, 2955-2967.	1.1	65
60	In macrophages, HIV-1 assembles into an intracellular plasma membrane domain containing the tetraspanins CD81, CD9, and CD53. Journal of Experimental Medicine, 2007, 204, i13-i13.	4.2	0
61	Virus Entry: Open Sesame. Cell, 2006, 124, 729-740.	13.5	1,016
62	Endosomesâ€"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. Traffic, 2005, 6, 488-501.	1.3	219
64	Agonist-induced Endocytosis of CC Chemokine Receptor 5 Is Clathrin Dependent. Molecular Biology of the Cell, 2005, 16, 902-917.	0.9	84
65	HIV interaction with endosomes in macrophages and dendritic cells. Blood Cells, Molecules, and Diseases, 2005, 35, 136-142.	0.6	71
66	Multiphoton-FLIM Quantification of the EGFP-mRFP1 FRET Pair for Localization of Membrane Receptor-Kinase Interactions. Biophysical Journal, 2005, 88, 1224-1237.	0.2	199
67	Trafficking of Viral Membrane Proteins. , 2005, 285, 219-254.		12
68	pH-Independent Endocytic Cycling of the Chemokine Receptor CCR5. Traffic, 2004, 5, 529-543.	1.3	26
69	Endosomes, exosomes and Trojan viruses. Trends in Microbiology, 2004, 12, 310-316.	3.5	151
70	The onâ€“off story of protein palmitoylation. Trends in Cell Biology, 2003, 13, 32-42.	3.6	289
71	Endocytosis of the Viral Chemokine Receptor US28 Does Not Require Betaâ€Arrestins But Is Dependent on the Clathrinâ€Mediated Pathway. Traffic, 2003, 4, 243-253.	1.3	103
72	Open Access to Traffic. Traffic, 2003, 4, 357-357.	1.3	0

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73	HIV's great escape. Nature Medicine, 2003, 9, 1262-1263.	15.2	20
74	Infectious HIV-1 assembles in late endosomes in primary macrophages. Journal of Cell Biology, 2003, 162, 443-455.	2.3	443
75	NK1 Receptor Fused to Î²-Arrestin Displays a Single-Component, High-Affinity Molecular Phenotype. Molecular Pharmacology, 2002, 62, 30-37.	1.0	38
76	Localization of HCMV UL33 and US27 in Endocytic Compartments and Viral Membranes. Traffic, 2002, 3, 218-232.	1.3	138
77	Traffic Changes with Increased Flow. Traffic, 2002, 3, 1-1.	1.3	0
78	Into the fast lane with MEDLINE!. Traffic, 2001, 2, 1-1.	1.3	1
79	Traffic is Gaining Momentum. Traffic, 2001, 2, 745-745.	1.3	0
80	In Vivo Attenuation of Simian Immunodeficiency Virus by Disruption of a Tyrosine-Dependent Sorting Signal in the Envelope Glycoprotein Cytoplasmic Tail. Journal of Virology, 2001, 75, 278-291.	1.5	78
81	The Human Cytomegalovirus US28 Protein Is Located in Endocytic Vesicles and Undergoes Constitutive Endocytosis and Recycling. Molecular Biology of the Cell, 2001, 12, 1737-1749.	0.9	167
82	Endocytosis in Viral Replication. Traffic, 2000, 1, 525-532.	1.3	83
83	The Simian Immunodeficiency Virus Envelope Glycoprotein Contains Multiple Signals that Regulate its Cell Surface Expression and Endocytosis. Traffic, 2000, 1, 661-674.	1.3	64
84	Dendritic cells: New roles for Cdc42 and Rac in antigen uptake?. Current Biology, 2000, 10, R739-R741.	1.8	65
85	Analysis of Chemokine Receptor Endocytosis and Recycling. , 2000, 138, 197-207.		10
86	Endocytosis and Recycling of the HIV Coreceptor Ccr5. Journal of Cell Biology, 2000, 151, 1281-1294.	2.3	172
87	Hsp90 Is Essential for the Synthesis and Subsequent Membrane Association, But Not the Maintenance, of the Src-Kinase p56^{lck}. Molecular Biology of the Cell, 2000, 11, 1585-1595.	0.9	86
88	Trafficking of an Acylated Cytosolic Protein: Newly Synthesized p56lck Travels to the Plasma Membrane via the Exocytic Pathway. Journal of Cell Biology, 1999, 145, 457-468.	2.3	54
89	B Cell Antigen Receptor Engagement Inhibits Stromal Cellâ€“derived Factor (SDF)-1Î± Chemotaxis and Promotes Protein Kinase C (PKC)-induced Internalization of CXCR4. Journal of Experimental Medicine, 1999, 189, 1461-1466.	4.2	96
90	Cluster of Differentiation Antigen 4 (CD4) Endocytosis and Adaptor Complex Binding Require Activation of the CD4 Endocytosis Signal by Serine Phosphorylation. Molecular Biology of the Cell, 1999, 10, 677-691.	0.9	151

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91	Chemokine receptor trafficking and viral replication. Immunological Reviews, 1999, 168, 33-49.	2.8	73
92	Journal review: A new Nature. Trends in Cell Biology, 1999, 9, 421.	3.6	0
93	The Structural Era of Endocytosis. Science, 1999, 285, 215-220.	6.0	510
94	CD4-Chemokine Receptor Hybrids in Human Immunodeficiency Virus Type 1 Infection. Journal of Virology, 1999, 73, 7453-7466.	1.5	14
95	Mechanisms of enveloped virus entry into animal cells. Advanced Drug Delivery Reviews, 1998, 34, 65-91.	6.6	80
96	Nefâ€”an adaptor adaptor?. Trends in Cell Biology, 1998, 8, 302-305.	3.6	50
97	Lack of p56â€‰â€‰lck expression correlates with CD4 endocytosis in primary lymphoid and myeloid cells. European Journal of Immunology, 1998, 28, 3639-3647.	1.6	44
98	Aminooxypentane-RANTES Induces CCR5 Internalization but Inhibits Recycling: A Novel Inhibitory Mechanism of HIV Infectivity. Journal of Experimental Medicine, 1998, 187, 1215-1224.	4.2	399
99	The Protein Tyrosine Kinase p56^{lck}Is Required for Triggering NF-ÎºB Activation upon Interaction of Human Immunodeficiency Virus Type 1 Envelope Glycoprotein gp120 with Cell Surface CD4. Journal of Virology, 1998, 72, 6207-6214.	1.5	43
100	Intrinsic Signals in the Unique Domain Target p56lckto the Plasma Membrane Independently of CD4. Journal of Cell Biology, 1997, 137, 1029-1040.	2.3	82
101	Phorbol Esters and SDF-1 Induce Rapid Endocytosis and Down Modulation of the Chemokine Receptor CXCR4. Journal of Cell Biology, 1997, 139, 651-664.	2.3	357
102	CD4: A co-receptor in the immune response and HIV infection. International Journal of Biochemistry and Cell Biology, 1997, 29, 871-875.	1.2	33
103	Roles for endocytosis in lentiviral replication. Trends in Cell Biology, 1997, 7, 1-4.	3.6	23
104	CD4-Independent Infection by HIV-2 Is Mediated by Fusin/CXCR4. Cell, 1996, 87, 745-756.	13.5	729
105	Chemokine receptors â€” the new frontier for AIDS research. Chemistry and Biology, 1996, 3, 603-609.	6.2	50
106	An internalization signal in the simian immunodeficiency virus transmembrane protein cytoplasmic domain modulates expression of envelope glycoproteins on the cell surface.. Journal of Cell Biology, 1996, 132, 795-811.	2.3	146
107	Entry of Animal Viruses into Cells. Reviews in Medical Virology, 1993, 3, 173-185.	3.9	22
108	Taking the Rabs off endocytosis. Current Biology, 1993, 3, 30-32.	1.8	10

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109	Endocytosis and pasta. Trends in Cell Biology, 1993, 3, 316-318.	3.6	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.	4.2	150
111	Expression of HIV-1 Envelope Glycoproteins by Semliki Forest Virus Vectors. AIDS Research and Human Retroviruses, 1993, 9, 963-970.	0.5	43
112	[19] Biochemical and morphological assays of virus entry. Methods in Enzymology, 1993, 220, 249-261.	0.4	1
113	Endocytic regulation of the T lymphocyte co-receptor proteins CD4 and CD8. Biochemical Society Transactions, 1993, 21, 703-706.	1.6	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.	2.3	155
115	Morphological analysis of the regulation of CD4 endocytosis by p56lck. Biochemical Society Transactions, 1992, 20, 719-724.	1.6	3
116	Keeping the viral coat on. Current Biology, 1992, 2, 379-381.	1.8	11
117	Intracellular trafficking of proteins. Trends in Cell Biology, 1992, 2, 32.	3.6	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.	0.5	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.	1.6	15
122	A quantitative analysis of the endocytic pathway in baby hamster kidney cells.. Journal of Cell Biology, 1989, 109, 2703-2720.	2.3	297
123	Binding and entry of animal viruses. Advanced Drug Delivery Reviews, 1989, 4, 1-26.	6.6	20
124	Virus Entry into Animal Cells. Advances in Virus Research, 1989, 36, 107-151.	0.9	643
125	The t complex polypeptide 1 (TCP-1) is associated with the cytoplasmic aspect of Golgi membranes. Cell, 1989, 57, 621-632.	13.5	90
126	The CD4 receptor for the AIDS virus. Biochemical Society Transactions, 1989, 17, 644-647.	1.6	6

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127	Chapter 17 Endosome and Lysosome Purification by Free-Flow Electrophoresis. Methods in Cell Biology, 1989, 31, 319-334.	0.5	12
128	Rapid analytical and preparative isolation of functional endosomes by free flow electrophoresis. Journal of Cell Biology, 1987, 104, 875-886.	2.3	213
129	How do human immunodeficiency viruses enter cells?. Trends in Immunology, 1987, 8, 369-371.	7.5	23
130	Transport of macrophage Fc receptors and Fc receptor-bound ligands to lysosomes.. Journal of Experimental Medicine, 1986, 163, 952-971.	4.2	141
131	Glycoproteins of the lysosomal membrane.. Journal of Cell Biology, 1985, 100, 1839-1847.	2.3	289
132	Semliki forest virus entry and the endocytic pathway. Biochemical Society Transactions, 1984, 12, 981-983.	1.6	25
133	Penetration of semliki forest virus from acidic prelysosomal vacuoles. Cell, 1983, 32, 931-940.	13.5	426
134	Acidification of macrophage and fibroblast endocytic vesicles in vitro.. Proceedings of the National Academy of Sciences of the United States of America, 1983, 80, 3334-3338.	3.3	334
135	[20] Binding, endocytosis, and degradation of enveloped animal viruses. Methods in Enzymology, 1983, 98, 260-266.	0.4	12
136	Monensin inhibits Semliki Forest virus penetration into culture cells.. Proceedings of the National Academy of Sciences of the United States of America, 1982, 79, 5297-5301.	3.3	152
137	Endocytosis of Enveloped Animal Viruses. Novartis Foundation Symposium, 1982, , 59-76.	1.2	30
138	Adsorptive endocytosis of Semliki Forest virus. Journal of Molecular Biology, 1980, 142, 439-454.	2.0	383
139	The entry of viruses into animal cells. Trends in Biochemical Sciences, 1980, 5, 104-106.	3.7	106
140	Cell Biology of Virus Infection. , 0, , 517-542.		0