Paul A Roche

List of Publications by Year
in descending order

86 papers	6,709 citations	87888 38 h-index	62596 80 g-index
88 all docs	88 docs citations	88 times ranked	8346 citing authors

#	Article	IF	Citations
1	Pancreas-specific SNAP23 depletion prevents pancreatitis by attenuating pathological basolateral exocytosis and formation of trypsin-activating autolysosomes. Autophagy, 2021, 17, 3068-3081.	9.1	12
2	Ubiquitination of MHC Class II by March-I Regulates Dendritic Cell Fitness. Journal of Immunology, 2021, 206, 494-504.	0.8	7
3	Pleiotropic consequences of metabolic stress for the major histocompatibility complex class II molecule antigen processing and presentation machinery. Immunity, 2021, 54, 721-736.e10.	14.3	30
4	Inflammation rapidly recruits mammalian GMP and MDP from bone marrow into regional lymphatics. ELife, 2021, 10, .	6.0	5
5	Ligation of MHC Class II Induces PKC-Dependent Clathrin-Mediated Endocytosis of MHC Class II. Cells, 2020, 9, 1810.	4.1	5
6	Biocompatible Fluorescent Nanodiamonds as Multifunctional Optical Probes for Latent Fingerprint Detection. ACS Applied Materials & Interfaces, 2020, 12, 6641-6650.	8.0	55
7	Activation of Dendritic Cells Alters the Mechanism of MHC Class II Antigen Presentation to CD4 T Cells. Journal of Immunology, 2020, 204, 1621-1629.	0.8	8
8	Monitoring Protein Endocytosis and Recycling Using FACS-Based Assays. Methods in Molecular Biology, 2019, 1988, 279-288.	0.9	0
9	The cysteine-rich domain of synaptosomal-associated protein of 23â€‰kDa (SNAP-23) regulates its membrane association and regulated exocytosis from mast cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1618-1633.	4.1	11
10	Monitoring MHC-II Endocytosis and Recycling Using Cell-Surface Protein Biotinylation-Based Assays. Methods in Molecular Biology, 2019, 1988, 271-277.	0.9	4
11	Dysfunction of antigen processing and presentation by dendritic cells in cancer. Molecular Immunology, 2019, 113, 31-37.	2.2	75
12	Ubiquitin-conjugating enzyme E2 D1 (Ube2D1) mediates lysine-independent ubiquitination of the E3 ubiquitin ligase March-I. Journal of Biological Chemistry, 2018, 293, 3904-3912.	3.4	27
13	A major isoform of the E3 ubiquitin ligase March-I in antigen-presenting cells has regulatory sequences within its gene. Journal of Biological Chemistry, 2018, 293, 4478-4485.	3.4	8
14	The E3 ubiquitin ligase MARCH1 regulates glucose-tolerance and lipid storage in a sex-specific manner. PLoS ONE, 2018, 13, e0204898.	2.5	14
15	Bioimaging: Polydopamine Encapsulation of Fluorescent Nanodiamonds for Biomedical Applications (Adv. Funct. Mater. 33/2018). Advanced Functional Materials, 2018, 28, 1870234.	14.9	5
16	Polydopamine Encapsulation of Fluorescent Nanodiamonds for Biomedical Applications. Advanced Functional Materials, 2018, 28, 1801252.	14.9	58
17	Editorial Overview: Antigen Processing and Presentation; many fingers in many pies. Current Opinion in Immunology, 2017, 46, v-vii.	5.5	0
18	Rab5 is critical for SNAP23 regulated granule-granule fusion during compound exocytosis. Scientific Reports, 2017, 7, 15315.	3.3	18

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19	Antigen Processing and Presentation Mechanisms in Myeloid Cells. Microbiology Spectrum, 2016, 4, .	3.0	41
20	SNAP23 is selectively expressed in airway secretory cells and mediates baseline and stimulated mucin secretion. Bioscience Reports, 2015, 35, .	2.4	23
21	Expression of the SNARE Protein SNAP-23 Is Essential for Cell Survival. PLoS ONE, 2015, 10, e0118311.	2.5	14
22	Interleukin 10 (IL-10)-mediated Immunosuppression. Journal of Biological Chemistry, 2015, 290, 27158-27167.	3.4	119
23	Suppression of antigen presentation by IL-10. Current Opinion in Immunology, 2015, 34, 22-27.	5.5	214
24	The ins and outs of MHC class II-mediated antigen processing and presentation. Nature Reviews Immunology, 2015, 15, 203-216.	22.7	791
25	Ubiquitination by March-I prevents MHC class II recycling and promotes MHC class II turnover in antigen-presenting cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10449-10454.	7.1	61
26	Macropinocytosis in phagocytes: regulation of MHC class-II-restricted antigen presentation in dendritic cells. Frontiers in Physiology, 2015, 6, 1.	2.8	318
27	MHC class II association with lipid rafts on the antigen presenting cell surface. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 775-780.	4.1	46
28	Invariant chainâ€"MHC class II complexes: always odd and never invariant. Immunology and Cell Biology, 2014, 92, 471-472.	2.3	23
29	Calpain-1 Contributes to IgE-Mediated Mast Cell Activation. Journal of Immunology, 2014, 192, 5130-5139.	0.8	22
30	TLR Signals Induce Phagosomal MHC-I Delivery from the Endosomal Recycling Compartment to Allow Cross-Presentation. Cell, 2014, 158, 506-521.	28.9	270
31	Major Histocompatibility Complex (MHC) Class II-Peptide Complexes Arrive at the Plasma Membrane in Cholesterol-rich Microclusters. Journal of Biological Chemistry, 2013, 288, 13236-13242.	3.4	48
32	Regulation of MHC Class II-Peptide Complex Expression by Ubiquitination. Frontiers in Immunology, 2013, 4, 369.	4.8	30
33	Disruption of Multivesicular Body Vesicles Does Not Affect Major Histocompatibility Complex (MHC) Class II-Peptide Complex Formation and Antigen Presentation by Dendritic Cells*. Journal of Biological Chemistry, 2013, 288, 24286-24292.	3.4	11
34	Internalizing MHC class IIâ€"peptide complexes are ubiquitinated in early endosomes and targeted for lysosomal degradation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20188-20193.	7.1	35
35	IÎºB kinase phosphorylation of SNAP-23 controls platelet secretion. Blood, 2013, 121, 4567-4574.	1.4	95
36	Encounter with antigen-specific primed CD4 T cells promotes MHC class II degradation in dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19380-19385.	7.1	17

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37	Francisella tularensis Elicits IL-10 via a PGE2-Inducible Factor, to Drive Macrophage MARCH1 Expression and Class II Down-Regulation. PLoS ONE, 2012, 7, e37330.	2.5	34
38	Deletion of SNAP-23 Results in Pre-Implantation Embryonic Lethality in Mice. PLoS ONE, 2011, 6, e18444.	2.5	33
39	Proteolysis of the class II-associated invariant chain generates a peptide binding site in intracellular HLA-DR molecules. Proc. Natl. Acad. Sci. USA. 1991. 88: 3150-3154. Journal of Immunology, 2011, 187, 1076-80.	0.8	6
40	Novel Syntaxin 11 Gene (STX11) Mutation in Three Argentinean Patients with Hemophagocytic Lymphohistiocytosis. Journal of Clinical Immunology, 2010, 30, 330-337.	3.8	11
41	A neuronal role for SNAP-23 in postsynaptic glutamate receptor trafficking. Nature Neuroscience, 2010, 13, 338-343.	14.8	119
42	Distinct MHC Class II Molecules Are Associated on the Dendritic Cell Surface in Cholesterol-dependent Membrane Microdomains. Journal of Biological Chemistry, 2010, 285, 35303-35310.	3.4	24
43	Ubiquitination regulates MHC class II-peptide complex retention and degradation in dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20465-20470.	7.1	100
44	Dendritic Cell Activation Prevents MHC Class II Ubiquitination and Promotes MHC Class II Survival Regardless of the Activation Stimulus. Journal of Biological Chemistry, 2010, 285, 41749-41754.	3.4	43
45	MHC class II transport at a glance. Journal of Cell Science, 2009, 122, 1-4.	2.0	38
46	Major Histocompatibility Complex Class II-Peptide Complexes Internalize Using a Clathrin- and Dynamin-independent Endocytosis Pathway. Journal of Biological Chemistry, 2008, 283, 14717-14727.	3.4	111
47	Mast cells possess distinct secretory granule subsets whose exocytosis is regulated by different SNARE isoforms. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2580-2585.	7.1	187
48	Cholesterol regulates the loading of foreign antigens onto MHC class II in dendritic cells. FASEB Journal, 2008, 22, 1067.7.	0.5	0
49	Defective cytotoxic lymphocyte degranulation in syntaxin-11â€“deficient familial hemophagocytic lymphohistiocytosis 4 (FHL4) patients. Blood, 2007, 110, 1906-1915.	1.4	272
50	T cell-induced secretion of MHC class IIâ€“peptide complexes on B cell exosomes. EMBO Journal, 2007, 26, 4263-4272.	7.8	221
51	Ternary SNARE Complexes Are Enriched in Lipid Rafts during Mast Cell Exocytosis. Traffic, 2006, 7, 1482-1494.	2.7	100
52	CDw78 Defines MHC Class II-Peptide Complexes That Require Ii Chain-Dependent Lysosomal Trafficking, Not Localization to a Specific Tetraspanin Membrane Microdomain. Journal of Immunology, 2006, 177, 5451-5458.	0.8	25
53	Phosphorylation of SNAP-23 Regulates Exocytosis from Mast Cells. Journal of Biological Chemistry, 2005, 280, 6610-6620.	3.4	113
54	MHC Class II Molecules Traffic into Lipid Rafts during Intracellular Transport. Journal of Immunology, 2004, 173, 4539-4546.	0.8	35

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55	Association of MHC class IIâ€“peptide complexes with plasma membrane lipid microdomains. Current Opinion in Immunology, 2004, 16, 103-107.	5.5	52
56	MHC Class II-Peptide Complexes and APC Lipid Rafts Accumulate at the Immunological Synapse. Journal of Immunology, 2003, 170, 1329-1338.	0.8	126
57	Mast Cell Degranulation Requires<i>N</i>-Ethylmaleimide-Sensitive Factor-Mediated SNARE Disassembly. Journal of Immunology, 2003, 171, 5345-5352.	0.8	70
58	Differential phosphorylation of SNAP-25 in vivo by protein kinase C and protein kinase A. FEBS Letters, 2002, 532, 52-56.	2.8	41
59	Trafficking of MHC class II molecules in the late secretory pathway. Current Opinion in Immunology, 2002, 14, 30-35.	5.5	93
60	SNAP-29 Is a Promiscuous Syntaxin-Binding SNARE. Biochemical and Biophysical Research Communications, 2001, 285, 167-171.	2.1	60
61	Response to 'Rafts for antigen presentation?'. Nature Immunology, 2001, 2, 3-3.	14.5	8
62	The Last Exon of SNAP-23 Regulates Granule Exocytosis from Mast Cells. Journal of Biological Chemistry, 2001, 276, 25101-25106.	3.4	54
63	Concentration of MHC class II molecules in lipid rafts facilitates antigen presentation. Nature Immunology, 2000, 1, 156-162.	14.5	309
64	Intracellular Redirection of Plasma Membrane Trafficking after Loss of Epithelial Cell Polarity. Molecular Biology of the Cell, 2000, 11, 3045-3060.	2.1	55
65	Targeting of SNAP-25 to Membranes Is Mediated by Its Association with the Target SNARE Syntaxin. Journal of Biological Chemistry, 2000, 275, 2959-2965.	3.4	74
66	Structure and chromosomal localization of the mouse SNAP-23 gene. Gene, 2000, 247, 181-189.	2.2	6
67	Identification of syntaxin 1A as a novel binding protein for presenilin-1. Molecular Brain Research, 2000, 78, 100-107.	2.3	33
68	Intracellular Protein Traffic in Lymphocytes. Immunity, 1999, 11, 391-398.	14.3	16
69	SNAP-23 and SNAP-25 Are Palmitoylatedin Vivo. Biochemical and Biophysical Research Communications, 1999, 258, 407-410.	2.1	94
70	SNAP-23 participates in SNARE complex assembly in rat adipose cells. Biochemical Journal, 1999, 338, 709-715.	3.7	38
71	SNAP-23 participates in SNARE complex assembly in rat adipose cells. Biochemical Journal, 1999, 338, 709.	3.7	9
72	Targeting of SNAP-23 and SNAP-25 in Polarized Epithelial Cells. Journal of Biological Chemistry, 1998, 273, 3422-3430.	3.4	98

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73	SNAP-23 Is Not Cleaved by Botulinum Neurotoxin E and Can Replace SNAP-25 in the Process of Insulin Secretion. Journal of Biological Chemistry, 1997, 272, 33023-33027.	3.4	99
74	Cloning and identification of human syntaxin 5 as a synaptobrevin/VAMP binding protein. Journal of Molecular Neuroscience, 1997, 8, 159-161.	2.3	4
75	Identification of a Novel Syntaxin- and Synaptobrevin/VAMP-binding Protein, SNAP-23, Expressed in Non-neuronal Tissues. Journal of Biological Chemistry, 1996, 271, 13300-13303.	3.4	308
76	Internalization and catabolism of radiolabelled antibodies to the MHC class-II invariant chain by B-cell lymphomas. Biochemical Journal, 1996, 320, 293-300.	3.7	80
77	HLA-DM: An in vivo facilitator of MHC class II peptide loading. Immunity, 1995, 3, 259-262.	14.3	76
78	Formation of a nine-subunit complex by HLA class II glycoproteins and the invariant chain. Nature, 1991, 354, 392-394.	27.8	318
79	Invariant chain association with HLA-DR molecules inhibits immunogenic peptide binding. Nature, 1990, 345, 615-618.	27.8	476
80	Independent analysis of bait region cleavage dependent and thiolester bond cleavage dependent conformational changes by cross-linking of .alpha.2-macroglobulin with cis-dichlorodiammineplatinum(II) and dithiobis(succinimidyl propionate). Biochemistry, 1989, 28, 7629-7636.	2.5	13
81	Selectivity and stereospecificity of the reactions of dichlorodiammineplatinum(II) with three purified plasma proteins. Journal of Inorganic Biochemistry, 1988, 33, 67-76.	3.5	35
82	Intersubunit cross-linking by cis-dichlorodiammineplatinum(II) stabilizes an .alpha.2-macroglobulin "nascent" state: evidence that thiol ester bond cleavage correlates with receptor recognition site exposure. Biochemistry, 1988, 27, 759-764.	2.5	25
83	Analysis of thiolester bond cleavage-dependent conformational changes in binary Î±2-macroglobulin-proteinase complexes. Archives of Biochemistry and Biophysics, 1988, 267, 285-293.	3.0	13
84	The role of inter-Î±-trypsin inhibitor and other proteinase inhibitors in the plasma clearance of neutrophil elastase and plasmin. Archives of Biochemistry and Biophysics, 1987, 258, 591-599.	3.0	14
85	Specificity of Î±_{2}-Macroglobulin Covalent Cross-Linking for the Active Domain of Proteinases. Biological Chemistry Hoppe-Seyler, 1986, 367, 1177-1182.	1.4	15
86	Antigen Processing and Presentation Mechanisms in Myeloid Cells. , 0, , 209-223.		5