

Oddmund Bakke

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117
papers

6,532
citations

38
h-index

79
g-index

130
ext. papers

7,272
ext. citations

6.9
avg, IF

5.57
L-index

#	Paper	IF	Citations
117	Towards a systems understanding of MHC class I and MHC class II antigen presentation. <i>Nature Reviews Immunology</i> , 2011 , 11, 823-36	36.5	1090
116	MHC class II-associated invariant chain contains a sorting signal for endosomal compartments. <i>Cell</i> , 1990 , 63, 707-16	56.2	526
115	Targeting of membrane proteins to endosomes and lysosomes. <i>Trends in Cell Biology</i> , 1994 , 4, 292-7	18.3	279
114	Post-replicative base excision repair in replication foci. <i>EMBO Journal</i> , 1999 , 18, 3834-44	13	265
113	Antigen presentation mediated by recycling of surface HLA-DR molecules. <i>Nature</i> , 1995 , 375, 603-6	50.4	238
112	Cell surface HLA-DR-invariant chain complexes are targeted to endosomes by rapid internalization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 8581-5	11.5	189
111	Intracellular localization of the glucocorticoid receptor: evidence for cytoplasmic and nuclear localization. <i>Endocrinology</i> , 1987 , 120, 1232-42	4.8	180
110	Sorting by the cytoplasmic domain of the amyloid precursor protein binding receptor SorLA. <i>Molecular and Cellular Biology</i> , 2007 , 27, 6842-51	4.8	152
109	The Rab11a GTPase controls Toll-like receptor 4-induced activation of interferon regulatory factor-3 on phagosomes. <i>Immunity</i> , 2010 , 33, 583-96	32.3	151
108	Toll-like receptor 3 associates with c-Src tyrosine kinase on endosomes to initiate antiviral signaling. <i>EMBO Journal</i> , 2006 , 25, 3335-46	13	150
107	Relationship between invariant chain expression and major histocompatibility complex class II transport into early and late endocytic compartments. <i>Journal of Experimental Medicine</i> , 1993 , 177, 583-96	16.6	138
106	Intracellular transport and localization of major histocompatibility complex class II molecules and associated invariant chain. <i>Journal of Cell Biology</i> , 1991 , 115, 1213-23	7.3	137
105	Nuclear and mitochondrial forms of human uracil-DNA glycosylase are encoded by the same gene. <i>Nucleic Acids Research</i> , 1993 , 21, 2579-84	20.1	120
104	Cellular trafficking of lipoteichoic acid and Toll-like receptor 2 in relation to signaling: role of CD14 and CD36. <i>Journal of Leukocyte Biology</i> , 2008 , 84, 280-91	6.5	114
103	Major histocompatibility complex class II-peptide complexes internalize using a clathrin- and dynamin-independent endocytosis pathway. <i>Journal of Biological Chemistry</i> , 2008 , 283, 14717-27	5.4	99
102	Rapid chemokine secretion from endothelial cells originates from 2 distinct compartments. <i>Blood</i> , 2004 , 104, 314-20	2.2	95
101	The adaptor protein AP-3 is required for CD1d-mediated antigen presentation of glycosphingolipids and development of Valpha14i NKT cells. <i>Journal of Experimental Medicine</i> , 2003 , 198, 1133-46	16.6	92

100	Medium chains of adaptor complexes AP-1 and AP-2 recognize leucine-based sorting signals from the invariant chain. <i>Journal of Biological Chemistry</i> , 1998 , 273, 6005-8	5.4	89
99	Rab7b controls trafficking from endosomes to the TGN. <i>Journal of Cell Science</i> , 2010 , 123, 1480-91	5.3	87
98	The leucine-based sorting motifs in the cytoplasmic domain of the invariant chain are recognized by the clathrin adaptors AP1 and AP2 and their medium chains. <i>Journal of Biological Chemistry</i> , 1999 , 274, 36153-8	5.4	83
97	Ubiquitination regulates MHC class II-peptide complex retention and degradation in dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 20465-70	11.5	81
96	Ultrastructural characterization of giant endosomes induced by GTPase-deficient Rab5. <i>Histochemistry and Cell Biology</i> , 2010 , 133, 41-55	2.4	80
95	Physiological functions of endosomal proteolysis. <i>Biochemical Journal</i> , 1995 , 307 (Pt 2), 313-26	3.8	80
94	Cadmium-induced inflammatory responses in cells relevant for lung toxicity: Expression and release of cytokines in fibroblasts, epithelial cells and macrophages. <i>Toxicology Letters</i> , 2010 , 193, 252-60	4.4	79
93	Mitotic partitioning of endosomes and lysosomes. <i>Current Biology</i> , 2001 , 11, 644-51	6.3	76
92	MHC II and the endocytic pathway: regulation by invariant chain. <i>Scandinavian Journal of Immunology</i> , 2009 , 70, 184-93	3.4	59
91	SorLA regulates the activity of lipoprotein lipase by intracellular trafficking. <i>Journal of Cell Science</i> , 2011 , 124, 1095-105	5.3	58
90	Bidirectional traffic between the Golgi and the endosomes - machineries and regulation. <i>Journal of Cell Science</i> , 2016 , 129, 3971-3982	5.3	57
89	A region from the medium chain adaptor subunit (μ) recognizes leucine- and tyrosine-based sorting signals. <i>Journal of Biological Chemistry</i> , 1998 , 273, 8638-45	5.4	56
88	Characterization of a novel chemokine-containing storage granule in endothelial cells: evidence for preferential exocytosis mediated by protein kinase A and diacylglycerol. <i>Journal of Immunology</i> , 2005 , 175, 5358-69	5.3	55
87	The protein phosphatase 1 regulator PNUTS is a new component of the DNA damage response. <i>EMBO Reports</i> , 2010 , 11, 868-75	6.5	52
86	Intracellular distribution of the MHC class II molecules and the associated invariant chain (Ii) in different cell lines. <i>International Immunology</i> , 1993 , 5, 903-17	4.9	51
85	Charcot-Marie-Tooth disease and intracellular traffic. <i>Progress in Neurobiology</i> , 2012 , 99, 191-225	10.9	48
84	The mouse CD1d cytoplasmic tail mediates CD1d trafficking and antigen presentation by adaptor protein 3-dependent and -independent mechanisms. <i>Journal of Immunology</i> , 2005 , 174, 3179-86	5.3	46
83	Toll-like receptor 2 (P631H) mutant impairs membrane internalization and is a dominant negative allele. <i>Scandinavian Journal of Immunology</i> , 2010 , 71, 369-81	3.4	45

82	Structure-activity relationship of the leucine-based sorting motifs in the cytosolic tail of the major histocompatibility complex-associated invariant chain. <i>Journal of Biological Chemistry</i> , 1995 , 270, 27165-71	5.4	43
81	The fusion of early endosomes induces molecular-motor-driven tubule formation and fission. <i>Journal of Cell Science</i> , 2012 , 125, 1910-9	5.3	40
80	The invariant chain inhibits presentation of endogenous antigens by a human fibroblast cell line. <i>European Journal of Immunology</i> , 1994 , 24, 1632-9	6.1	38
79	Rab7a regulates cell migration through Rac1 and vimentin. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017 , 1864, 367-381	4.9	37
78	Uncoating ATPase Hsc70 is recruited by invariant chain and controls the size of endocytic compartments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 1515-20	11.5	37
77	A flow cytometric and immunofluorescence microscopic study of tumor necrosis factor production and localization in human monocytes. <i>Cellular Immunology</i> , 1989 , 122, 405-15	4.4	37
76	The cytoplasmic tail of invariant chain regulates endosome fusion and morphology. <i>Molecular Biology of the Cell</i> , 2002 , 13, 1846-56	3.5	36
75	Invariant chain induces a delayed transport from early to late endosomes. <i>Journal of Biological Chemistry</i> , 1995 , 270, 2741-6	5.4	36
74	Intracellular traffic to compartments for MHC class II peptide loading: signals for endosomal and polarized sorting. <i>Immunological Reviews</i> , 1999 , 172, 171-87	11.3	35
73	MHC class II-associated invariant chain-induced enlarged endosomal structures: a morphological study. <i>Experimental Cell Research</i> , 1997 , 235, 79-92	4.2	34
72	Major histocompatibility complex class II-dependent antigen presentation by human intestinal endothelial cells. <i>Gastroenterology</i> , 1998 , 114, 649-56	13.3	34
71	Exon 6 is essential for invariant chain trimerization and induction of large endosomal structures. <i>Journal of Biological Chemistry</i> , 1997 , 272, 8281-7	5.4	32
70	Mechanism of interaction between leucine-based sorting signals from the invariant chain and clathrin-associated adaptor protein complexes AP1 and AP2. <i>Journal of Biological Chemistry</i> , 2002 , 277, 16484-8	5.4	31
69	Overview of the membrane-associated RING-CH (MARCH) E3 ligase family. <i>New Biotechnology</i> , 2017 , 38, 7-15	6.4	30
68	Cell cycle-specific glucocorticoid growth regulation of a human cell line (NH1K 3025). <i>Journal of Cellular Physiology</i> , 1981 , 109, 489-96	7	29
67	The adaptor protein AP-4 as a component of the clathrin coat machinery: a morphological study. <i>Biochemical Journal</i> , 2005 , 385, 503-10	3.8	28
66	Dynamics of Rab7b-dependent transport of sorting receptors. <i>Traffic</i> , 2012 , 13, 1273-85	5.7	27
65	A novel interaction between Rab7b and actomyosin reveals a dual role in intracellular transport and cell migration. <i>Journal of Cell Science</i> , 2014 , 127, 4927-39	5.3	27

64	The cytoplasmic tail of CD1d contains two overlapping basolateral sorting signals. <i>Journal of Biological Chemistry</i> , 2000 , 275, 8279-82	5.4	27
63	Concentration-dependent effects of potassium dichromate on the cell cycle. <i>Cytometry</i> , 1984 , 5, 482-6		25
62	Rab7b and receptors trafficking. <i>Communicative and Integrative Biology</i> , 2010 , 3, 401-4	1.7	24
61	The leucine-based motif DDQxxLI is recognized both for internalization and basolateral sorting of invariant chain in MDCK cells. <i>European Journal of Cell Biology</i> , 1998 , 76, 25-32	6.1	24
60	Structural requirements for interactions between leucine-sorting signals and clathrin-associated adaptor protein complex AP3. <i>Journal of Biological Chemistry</i> , 2002 , 277, 47436-43	5.4	24
59	The multiple roles of Rab9 in the endolysosomal system. <i>Communicative and Integrative Biology</i> , 2016 , 9, e1204498	1.7	23
58	Rab7b modulates autophagic flux by interacting with Atg4B. <i>EMBO Reports</i> , 2017 , 18, 1727-1739	6.5	22
57	Cell-cycle-dependent binding kinetics for the early endosomal tethering factor EEA1. <i>EMBO Reports</i> , 2008 , 9, 171-8	6.5	22
56	Spatiotemporal Resolution of Rab9 and CI-MPR Dynamics in the Endocytic Pathway. <i>Traffic</i> , 2016 , 17, 211-29	5.7	22
55	TBC1D5 controls the GTPase cycle of Rab7b. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	21
54	Invariant chain increases the half-life of MHC II by delaying endosomal maturation. <i>Immunology and Cell Biology</i> , 2011 , 89, 619-29	5	21
53	The cytoplasmic tail of invariant chain modulates antigen processing and presentation. <i>European Journal of Immunology</i> , 2003 , 33, 277-86	6.1	21
52	Targeting major histocompatibility complex class II molecules to the cell surface by invariant chain allows antigen presentation upon recycling. <i>European Journal of Immunology</i> , 1994 , 24, 873-83	6.1	20
51	Cell cycle characteristics of synchronized and asynchronous populations of human cells and effect of cooling of selected mitotic cells. <i>Cell Proliferation</i> , 1977 , 10, 511-22	7.9	20
50	Human PARM-1 is a novel mucin-like, androgen-regulated gene exhibiting proliferative effects in prostate cancer cells. <i>International Journal of Cancer</i> , 2008 , 122, 1229-35	7.5	19
49	Oligomerized, filamentous surface presentation of RANTES/CCL5 on vascular endothelial cells. <i>Scientific Reports</i> , 2015 , 5, 9261	4.9	17
48	Invariant chain as a vehicle to load antigenic peptides on human MHC class I for cytotoxic T-cell activation. <i>European Journal of Immunology</i> , 2014 , 44, 774-84	6.1	16
47	A new triple-stranded alpha-helical bundle in solution: the assembling of the cytosolic tail of MHC-associated invariant chain. <i>Structure</i> , 1997 , 5, 1453-64	5.2	16

46	c-Myb associates with PML in nuclear bodies in hematopoietic cells. <i>Experimental Cell Research</i> , 2004 , 297, 118-26	4.2	16
45	The MHC class II-associated chicken invariant chain shares functional properties with its mammalian homologs. <i>Experimental Cell Research</i> , 2000 , 259, 360-9	4.2	16
44	Characterization and sequence-specific binding to mouse mammary tumor virus DNA of purified activated human glucocorticoid receptor. <i>Biochemistry</i> , 1987 , 26, 1697-704	3.2	16
43	Re-routing of the invariant chain to the direct sorting pathway by introduction of an AP3-binding motif from LIMP II. <i>European Journal of Cell Biology</i> , 2006 , 85, 457-67	6.1	15
42	Effects of potassium dichromate on the cell cycle of an established human cell line (NH1K 3025). <i>Toxicology</i> , 1982 , 24, 281-92	4.4	15
41	Soluble cytostatic factor(s) released from human monocytes. II. Effects on target cell kinetics. <i>Scandinavian Journal of Immunology</i> , 1983 , 18, 13-20	3.4	15
40	Intracellular transport of molecules engaged in the presentation of exogenous antigens. <i>Current Topics in Microbiology and Immunology</i> , 1998 , 232, 179-215	3.3	15
39	Antifungal activity of well-defined chito-oligosaccharide preparations against medically relevant yeasts. <i>PLoS ONE</i> , 2019 , 14, e0210208	3.7	15
38	MHC class II loading of high or low affinity peptides directed by li/peptide fusion constructs: implications for T cell activation. <i>International Immunology</i> , 2003 , 15, 1291-9	4.9	14
37	A protein kinase A-ezrin complex regulates connexin 43 gap junction communication in liver epithelial cells. <i>Cellular Signalling</i> , 2017 , 32, 1-11	4.9	13
36	Rab6 regulates cell migration and invasion by recruiting Cdc42 and modulating its activity. <i>Cellular and Molecular Life Sciences</i> , 2019 , 76, 2593-2614	10.3	12
35	Selection of phage displayed peptides from a random 10-mer library recognising a peptide target. <i>Immunotechnology: an International Journal of Immunological Engineering</i> , 1998 , 4, 21-8		12
34	Misdirection of endosomal trafficking mediated by herpes simplex virus-encoded glycoprotein B. <i>FASEB Journal</i> , 2017 , 31, 1650-1667	0.9	10
33	Overexpression of proteins containing tyrosine- or leucine-based sorting signals affects transferrin receptor trafficking. <i>Journal of Biological Chemistry</i> , 1999 , 274, 21139-48	5.4	10
32	Rab7a modulates ER stress and ER morphology. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018 , 1865, 781-793	4.9	9
31	Rab7b at the intersection of intracellular trafficking and cell migration. <i>Communicative and Integrative Biology</i> , 2015 , 8, e1023492	1.7	9
30	Differential regulation of MHC II and invariant chain expression during maturation of monocyte-derived dendritic cells. <i>Journal of Leukocyte Biology</i> , 2012 , 91, 729-37	6.5	9
29	BiP negatively affects ricin transport. <i>Toxins</i> , 2013 , 5, 969-82	4.9	9

28	Antigen-delivery through invariant chain (CD74) boosts CD8 and CD4 T cell immunity. <i>OncolImmunology</i> , 2019 , 8, 1558663	7.2	9
27	Differential regulation of Rab GTPase expression in monocyte-derived dendritic cells upon lipopolysaccharide activation: a correlation to maturation-dependent functional properties. <i>PLoS ONE</i> , 2013 , 8, e73538	3.7	8
26	Disentangling the immune response and host-pathogen interactions in <i>Francisella noatunensis</i> infected Atlantic cod. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019 , 30, 333-346	2	6
25	Characterization of the role of RILP in cell migration. <i>European Journal of Histochemistry</i> , 2017 , 61, 2783	2.1	6
24	Human c-SRC kinase (CSK) overexpression makes T cells dummy. <i>Cancer Immunology, Immunotherapy</i> , 2018 , 67, 525-536	7.4	6
23	Human NCU-G1 can function as a transcription factor and as a nuclear receptor co-activator. <i>BMC Molecular Biology</i> , 2007 , 8, 106	4.5	6
22	Retinoic acid induces a specific membrane glycoprotein in human epithelial cell lines. <i>Experimental Cell Research</i> , 1989 , 180, 20-9	4.2	6
21	Receptor-Mediated Endocytosis of VEGF-A in Rat Liver Sinusoidal Endothelial Cells. <i>BioMed Research International</i> , 2019 , 2019, 5496197	3	5
20	Endosomal binding kinetics of Eps15 and Hrs specifically regulate the degradation of RTKs. <i>Scientific Reports</i> , 2017 , 7, 17962	4.9	5
19	The bio-logical role of invariant chain (Ii) in MHC class II antigen presentation. <i>Immunology Letters</i> , 1994 , 43, 47-55	4.1	5
18	The role of protein metabolism in glucocorticoid-induced prolongation of G1 phase in human NHIK 3025 cells. <i>Journal of Cellular Physiology</i> , 1982 , 113, 459-64	7	5
17	Rab18 regulates focal adhesion dynamics by interacting with kinectin-1 at the endoplasmic reticulum. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	5
16	B-cell tolerance to the B-cell receptor variable regions. <i>European Journal of Immunology</i> , 2013 , 43, 2577-87	8.1	4
15	The human-specific invariant chain isoform Iip35 modulates Iip33 trafficking and function. <i>Immunology and Cell Biology</i> , 2014 , 92, 791-8	5	4
14	Structure requirements for glucocorticoid growth of a human cell line (NHIK 3025). <i>The Journal of Steroid Biochemistry</i> , 1982 , 17, 489-93		4
13	De novo formation of early endosomes during Rab5-to-Rab7a transition. <i>Journal of Cell Science</i> , 2021 , 134,	5.3	4
12	Sjögren syndrome/scleroderma autoantigen 1 is a direct Tankyrase binding partner in cancer cells. <i>Communications Biology</i> , 2020 , 3, 123	6.7	3
11	Cell-mediated inhibition of proliferation and activation of alloreactive cytotoxic lymphocytes: maintenance of response potential of precursors and dissociation between proliferation and effector function of activated cytotoxic lymphocytes. <i>Cellular Immunology</i> , 1986 , 101, 105-21	4.4	3

10	A fast and accurate method for calculating Engelberg's synchronization index. <i>Cell Proliferation</i> , 1976 , 9, 389-93	7.9	3
9	Rab7b regulates dendritic cell migration by linking lysosomes to the actomyosin cytoskeleton. <i>Journal of Cell Science</i> , 2021 , 134,	5.3	3
8	Invariant chain regulates endosomal fusion and maturation through an interaction with the SNARE Vti1b. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	2
7	Micro-stepping extended focus reduces photobleaching and preserves structured illumination super-resolution features. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	2
6	Effects of retinoic acid on cytokeratin and actin filaments in human NHIK 3025 cells. <i>Biochemical Society Transactions</i> , 1987 , 15, 858-859	5.1	1
5	The various roles of invariant chain in the act of antigen Presentation 1996 , 15-41		1
4	Rab GTPases are differentially regulated during DC maturation. <i>Molecular Immunology</i> , 2012 , 51, 8	4.3	
3	Emerging regulators of endosomal dynamics during mitosis. <i>Cell Cycle</i> , 2014 , 13, 349-50	4.7	
2	The Association of the Glucocorticoid Receptor with Mr 90,000 Heat Shock Protein and Tubulin 1989 , 41-53		
1	Steroid Structure Requirements, Cell Cycle Specificity and Protein Metabolism in Glucocorticoid Growth Regulation of Human NHIK 3025 Cells 1984 , 363-384		