

Oddmund Bakke

List of Publications by Year in descending order

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124
papers

7,864
citations

71102

41
h-index

53230

85
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130
all docs

130
docs citations

130
times ranked

9682
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a systems understanding of MHC class I and MHC class II antigen presentation. <i>Nature Reviews Immunology</i> , 2011, 11, 823-836.	22.7	1,528
2	MHC class II-associated invariant chain contains a sorting signal for endosomal compartments. <i>Cell</i> , 1990, 63, 707-716.	28.9	560
3	Targeting of membrane proteins to endosomes and lysosomes. <i>Trends in Cell Biology</i> , 1994, 4, 292-297.	7.9	307
4	Post-replicative base excision repair in replication foci. <i>EMBO Journal</i> , 1999, 18, 3834-3844.	7.8	305
5	Antigen presentation mediated by recycling of surface HLA-DR molecules. <i>Nature</i> , 1995, 375, 603-606.	27.8	260
6	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, 8581-8585.	7.1	210
7	Intracellular Localization of the Glucocorticoid Receptor: Evidence for Cytoplasmic and Nuclear Localization*. <i>Endocrinology</i> , 1987, 120, 1232-1242.	2.8	193
8	Toll-like receptor 3 associates with c-Src tyrosine kinase on endosomes to initiate antiviral signaling. <i>EMBO Journal</i> , 2006, 25, 3335-3346.	7.8	177
9	The Rab11a GTPase Controls Toll-like Receptor 4-Induced Activation of Interferon Regulatory Factor-3 on Phagosomes. <i>Immunity</i> , 2010, 33, 583-596.	14.3	173
10	Sorting by the Cytoplasmic Domain of the Amyloid Precursor Protein Binding Receptor SorLA. <i>Molecular and Cellular Biology</i> , 2007, 27, 6842-6851.	2.3	166
11	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, 583-596.	8.5	145
12	Intracellular transport and localization of major histocompatibility complex class II molecules and associated invariant chain.. <i>Journal of Cell Biology</i> , 1991, 115, 1213-1223.	5.2	141
13	Nuclear and mitochondrial forms of human uracil-DNA glycosylase are encoded by the same gene. <i>Nucleic Acids Research</i> , 1993, 21, 2579-2584.	14.5	131
14	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, 280-291.	3.3	128
15	Major Histocompatibility Complex Class II-Peptide Complexes Internalize Using a Clathrin- and Dynamin-independent Endocytosis Pathway. <i>Journal of Biological Chemistry</i> , 2008, 283, 14717-14727.	3.4	111
16	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, 36153-36158.	3.4	109
17	Rab7b controls trafficking from endosomes to the TGN. <i>Journal of Cell Science</i> , 2010, 123, 1480-1491.	2.0	103
18	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, 252-260.	0.8	103

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19	Rapid chemokine secretion from endothelial cells originates from 2 distinct compartments. <i>Blood</i> , 2004, 104, 314-320.	1.4	102
20	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, 20465-20470.	7.1	100
21	The Adaptor Protein AP-3 Is Required for CD1d-Mediated Antigen Presentation of Glycosphingolipids and Development of VÎ±14i NKT Cells. <i>Journal of Experimental Medicine</i> , 2003, 198, 1133-1146.	8.5	99
22	Ultrastructural characterization of giant endosomes induced by GTPase-deficient Rab5. <i>Histochemistry and Cell Biology</i> , 2010, 133, 41-55.	1.7	98
23	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, 6005-6008.	3.4	95
24	Physiological functions of endosomal proteolysis. <i>Biochemical Journal</i> , 1995, 307, 313-326.	3.7	90
25	Mitotic partitioning of endosomes and lysosomes. <i>Current Biology</i> , 2001, 11, 644-651.	3.9	86
26	MHC II and the Endocytic Pathway: Regulation by Invariant Chain. <i>Scandinavian Journal of Immunology</i> , 2009, 70, 184-193.	2.7	72
27	Bidirectional traffic between the Golgi and the endosomes " machineries and regulation. <i>Journal of Cell Science</i> , 2016, 129, 3971-3982.	2.0	70
28	SorLA regulates the activity of lipoprotein lipase by intracellular trafficking. <i>Journal of Cell Science</i> , 2011, 124, 1095-1105.	2.0	64
29	The protein phosphatase 1 regulator PNUTS is a new component of the DNA damage response. <i>EMBO Reports</i> , 2010, 11, 868-875.	4.5	61
30	Charcot"Marie" Tooth disease and intracellular traffic. <i>Progress in Neurobiology</i> , 2012, 99, 191-225.	5.7	61
31	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, 5358-5369.	0.8	60
32	A Region from the Medium Chain Adaptor Subunit (Î¼) Recognizes Leucine- and Tyrosine-based Sorting Signals. <i>Journal of Biological Chemistry</i> , 1998, 273, 8638-8645.	3.4	59
33	The fusion of early endosomes induces molecular motor-driven tubule formation and fission.. <i>Journal of Cell Science</i> , 2012, 125, 1910-9.	2.0	57
34	Intracellular distribution of the MHC class II molecules and the associated invariant chain (Ii) in different cell lines. <i>International Immunology</i> , 1993, 5, 903-917.	4.0	56
35	Overview of the membrane-associated RING-CH (MARCH) E3 ligase family. <i>New Biotechnology</i> , 2017, 38, 7-15.	4.4	56
36	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, 3179-3186.	0.8	52

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37	Toll-Like Receptor 2 (P631H) Mutant Impairs Membrane Internalization and is a Dominant Negative Allele. <i>Scandinavian Journal of Immunology</i> , 2010, 71, 369-381.	2.7	50
38	Rab7a regulates cell migration through Rac1 and vimentin. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 367-381.	4.1	49
39	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, 27165-27171.	3.4	45
40	A flow cytometric and immunofluorescence microscopic study of tumor necrosis factor production and localization in human monocytes. <i>Cellular Immunology</i> , 1989, 122, 405-415.	3.0	43
41	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, 1515-1520.	7.1	43
42	Major histocompatibility complex class II-dependent antigen presentation by human intestinal endothelial cells. <i>Gastroenterology</i> , 1998, 114, 649-656.	1.3	42
43	The invariant chain inhibits presentation of endogenous antigens by a human fibroblast cell line. <i>European Journal of Immunology</i> , 1994, 24, 1632-1639.	2.9	41
44	The Cytoplasmic Tail of Invariant Chain Regulates Endosome Fusion and Morphology. <i>Molecular Biology of the Cell</i> , 2002, 13, 1846-1856.	2.1	41
45	Invariant Chain Induces a Delayed Transport from Early to Late Endosomes. <i>Journal of Biological Chemistry</i> , 1995, 270, 2741-2746.	3.4	40
46	MHC Class II-Associated Invariant Chain-Induced Enlarged Endosomal Structures: A Morphological Study. <i>Experimental Cell Research</i> , 1997, 235, 79-92.	2.6	40
47	Spatiotemporal Resolution of Rab9 and Clâ€œMPR Dynamics in the Endocytic Pathway. <i>Traffic</i> , 2016, 17, 211-229.	2.7	40
48	Intracellular traffic to compartments for MHC class II peptide loading: signals for endosomal and polarized sorting. <i>Immunological Reviews</i> , 1999, 172, 171-187.	6.0	37
49	Exon 6 Is Essential for Invariant Chain Trimerization and Induction of Large Endosomal Structures. <i>Journal of Biological Chemistry</i> , 1997, 272, 8281-8287.	3.4	36
50	Antifungal activity of well-defined chito-oligosaccharide preparations against medically relevant yeasts. <i>PLoS ONE</i> , 2019, 14, e0210208.	2.5	35
51	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, 16484-16488.	3.4	34
52	The adaptor protein AP-4 as a component of the clathrin coat machinery: a morphological study. <i>Biochemical Journal</i> , 2005, 385, 503-510.	3.7	34
53	Dynamics of Rab7-dependent Transport of Sorting Receptors. <i>Traffic</i> , 2012, 13, 1273-1285.	2.7	33
54	The multiple roles of Rab9 in the endolysosomal system. <i>Communicative and Integrative Biology</i> , 2016, 9, e1204498.	1.4	33

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55	Cell cycle-specific glucocorticoid growth regulation of a human cell line (NHK 3025). <i>Journal of Cellular Physiology</i> , 1981, 109, 489-496.	4.1	32
56	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.	2.0	32
57	TBC1D5 controls the GTPase cycle of Rab7b. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	32
58	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.	1.0	31
59	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, 511-522.	5.3	30
60	The Cytoplasmic Tail of CD1d Contains Two Overlapping Basolateral Sorting Signals. <i>Journal of Biological Chemistry</i> , 2000, 275, 8279-8282.	3.4	30
61	Cell cycle-dependent binding kinetics for the early endosomal tethering factor EEA1. <i>EMBO Reports</i> , 2008, 9, 171-178.	4.5	27
62	Rab7b modulates autophagic flux by interacting with Atg4B. <i>EMBO Reports</i> , 2017, 18, 1727-1739.	4.5	27
63	Concentration-dependent effects of potassium dichromate on the cell cycle. <i>Cytometry</i> , 1984, 5, 482-486.	1.8	26
64	Structural Requirements for Interactions between Leucine-sorting Signals and Clathrin-associated Adaptor Protein Complex AP3. <i>Journal of Biological Chemistry</i> , 2002, 277, 47436-47443.	3.4	26
65	Invariant chain increases the half-life of MHC II by delaying endosomal maturation. <i>Immunology and Cell Biology</i> , 2011, 89, 619-629.	2.3	26
66	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.	3.6	25
67	The cytoplasmic tail of invariant chain modulates antigen processing and presentation. <i>European Journal of Immunology</i> , 2003, 33, 277-286.	2.9	25
68	Rab7b and receptors trafficking. <i>Communicative and Integrative Biology</i> , 2010, 3, 401-404.	1.4	25
69	Human PARM1 is a novel mucin-like, androgen-regulated gene exhibiting proliferative effects in prostate cancer cells. <i>International Journal of Cancer</i> , 2008, 122, 1229-1235.	5.1	24
70	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, 873-883.	2.9	23
71	A protein kinase A-ezrin complex regulates connexin 43 gap junction communication in liver epithelial cells. <i>Cellular Signalling</i> , 2017, 32, 1-11.	3.6	23
72	Rab7a modulates ER stress and ER morphology. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 781-793.	4.1	23

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73	Oligomerized, filamentous surface presentation of RANTES/CCL5 on vascular endothelial cells. <i>Scientific Reports</i> , 2015, 5, 9261.	3.3	22
74	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, 774-784.	2.9	20
75	Antigen-delivery through invariant chain (CD74) boosts CD8 and CD4 T cell immunity. <i>OncImmunology</i> , 2019, 8, 1558663.	4.6	20
76	A new triple-stranded α -helical bundle in solution: the assembling of the cytosolic tail of MHC-associated invariant chain. <i>Structure</i> , 1997, 5, 1453-1464.	3.3	19
77	The MHC Class II-Associated Chicken Invariant Chain Shares Functional Properties with Its Mammalian Homologs. <i>Experimental Cell Research</i> , 2000, 259, 360-369.	2.6	19
78	c-Myb associates with PML in nuclear bodies in hematopoietic cells. <i>Experimental Cell Research</i> , 2004, 297, 118-126.	2.6	19
79	Differential regulation of MHC II and invariant chain expression during maturation of monocyte-derived dendritic cells. <i>Journal of Leukocyte Biology</i> , 2012, 91, 729-737.	3.3	19
80	Characterization and sequence-specific binding to mouse tumor virus DNA of purified activated human glucocorticoid receptor. <i>Biochemistry</i> , 1987, 26, 1697-1704.	2.5	18
81	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, 1291-1299.	4.0	18
82	Intracellular Transport of Molecules Engaged in the Presentation of Exogenous Antigens. <i>Current Topics in Microbiology and Immunology</i> , 1998, 232, 179-215.	1.1	18
83	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, 457-467.	3.6	17
84	Effects of potassium dichromate on the cell cycle of an established human cell line (NH1K 3025). <i>Toxicology</i> , 1982, 24, 281-292.	4.2	15
85	Soluble Cytostatic Factor(s) Released from Human Monocytes.. <i>Scandinavian Journal of Immunology</i> , 1983, 18, 13-20.	2.7	15
86	Rab7b regulates dendritic cell migration by linking lysosomes to the actomyosin cytoskeleton. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	14
87	Rab7b at the intersection of intracellular trafficking and cell migration. <i>Communicative and Integrative Biology</i> , 2015, 8, e1023492.	1.4	13
88	Misdirection of endosomal trafficking mediated by herpes simplex virus encoded glycoprotein B. <i>FASEB Journal</i> , 2017, 31, 1650-1667.	0.5	13
89	Rab6 regulates cell migration and invasion by recruiting Cdc42 and modulating its activity. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 2593-2614.	5.4	13
90	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, 21-28.	2.4	12

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91	Overexpression of Proteins Containing Tyrosine- or Leucine-based Sorting Signals Affects Transferrin Receptor Trafficking. <i>Journal of Biological Chemistry</i> , 1999, 274, 21139-21148.	3.4	12
92	Characterization of the role of RILP in cell migration. <i>European Journal of Histochemistry</i> , 2017, 61, 2783.	1.5	11
93	Invariant chain regulates endosomal fusion and maturation through an interaction with the SNARE Vti1b. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	11
94	<i>De novo</i> formation of early endosomes during Rab5-to-Rab7a transition. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	11
95	Rab18 regulates focal adhesion dynamics by interacting with kinectin-1 at the endoplasmic reticulum. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	11
96	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.	2.5	10
97	BiP Negatively Affects Ricin Transport. <i>Toxins</i> , 2013, 5, 969-982.	3.4	9
98	Endosomal binding kinetics of Eps15 and Hrs specifically regulate the degradation of RTKs. <i>Scientific Reports</i> , 2017, 7, 17962.	3.3	9
99	The bio-logical role of invariant chain (Ii) in MHC class II antigen presentation. <i>Immunology Letters</i> , 1994, 43, 47-55.	2.5	8
100	Human c-SRC kinase (CSK) overexpression makes T cells dummy. <i>Cancer Immunology, Immunotherapy</i> , 2018, 67, 525-536.	4.2	8
101	Receptor-Mediated Endocytosis of VEGF-A in Rat Liver Sinusoidal Endothelial Cells. <i>BioMed Research International</i> , 2019, 2019, 1-12.	1.9	8
102	Human NCU-G1 can function as a transcription factor and as a nuclear receptor co-activator. <i>BMC Molecular Biology</i> , 2007, 8, 106.	3.0	7
103	A FAST AND ACCURATE METHOD FOR CALCULATING ENGELBERG'S SYNCHRONIZATION INDEX. <i>Cell Proliferation</i> , 1976, 9, 389-393.	5.3	6
104	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, 459-464.	4.1	6
105	Retinoic acid induces a specific membrane glycoprotein in human epithelial cell lines. <i>Experimental Cell Research</i> , 1989, 180, 20-29.	2.6	6
106	<i>B</i> -cell tolerance to the <i>B</i> -cell receptor variable regions. <i>European Journal of Immunology</i> , 2013, 43, 2577-2587.	2.9	5
107	The human-specific invariant chain isoform Iip35 modulates Iip33 trafficking and function. <i>Immunology and Cell Biology</i> , 2014, 92, 791-798.	2.3	5
108	Sjögren syndrome/scleroderma autoantigen 1 is a direct Tankyrase binding partner in cancer cells. <i>Communications Biology</i> , 2020, 3, 123.	4.4	5

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109	Structure requirements for glucocorticoid growth inhibition of a human cell line (NH1K 3025). The Journal of Steroid Biochemistry, 1982, 17, 489-493.	1.1	4
110	Micro-stepping Extended Focus reduces photobleaching and preserves structured illumination super-resolution features. Journal of Cell Science, 2020, 133, .	2.0	4
111	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. Cellular Immunology, 1986, 101, 105-121.	3.0	3
112	Effects of retinoic acid on cytokeratin and actin filaments in human NH1K 3025 cells. Biochemical Society Transactions, 1987, 15, 858-859.	3.4	1
113	Differential regulation of MHC II and invariant chain expression during maturation of monocyte derived dendritic cells and how invariant chain increases the half-life of MHC II by delaying endosomal maturation. Molecular Immunology, 2012, 51, 7.	2.2	1
114	The various roles of invariant chain in the act of antigen Presentation. , 1996, , 15-41.		1
115	171 Glucocorticoid-induced cell cycle specific growth regulation of human NH1K 3025 cells. The Journal of Steroid Biochemistry, 1983, 19, 57.	1.1	0
116	The human cell line nhik 3025 contain a specific receptor for 1,25-dihydroxyvitamin D3. Regulation of growth and interaction with dexamethasone. The Journal of Steroid Biochemistry, 1987, 28, 169.	1.1	0
117	Rab GTPases are differentially regulated during DC maturation. Molecular Immunology, 2012, 51, 8.	2.2	0
118	Invariant chain as a tool to load antigenic peptides on MHC class I. Molecular Immunology, 2012, 51, 16.	2.2	0
119	Direct targeting of invariant chain to the MHC II loading compartment. Molecular Immunology, 2012, 51, 20-21.	2.2	0
120	Intracellular trafficking of the human invariant chain isoforms, lip33 and lip35. Molecular Immunology, 2012, 51, 30.	2.2	0
121	Emerging regulators of endosomal dynamics during mitosis. Cell Cycle, 2014, 13, 349-350.	2.6	0
122	Structural and biochemical characterization of Sjögren syndrome/scleroderma autoantigen 1 (SSSCA1). Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s254-s254.	0.1	0
123	Steroid Structure Requirements, Cell Cycle Specificity and Protein Metabolism in Glucocorticoid Growth Regulation of Human NH1K 3025 Cells. , 1984, , 363-384.		0
124	The Association of the Glucocorticoid Receptor with Mr 90,000 Heat Shock Protein and Tubulin. , 1989, , 41-53.		0