Johan Bylund

List of Publications by Year
in descending order

62 papers	2,510 citations	201674 27 h-index	223800 46 g-index
63 all docs	63 docs citations	63 times ranked	3815 citing authors

#	Article	IF	Citations
1	Intracellular generation of superoxide by the phagocyte NADPH oxidase: How, where, and what for?. Free Radical Biology and Medicine, 2010, 49, 1834-1845.	2.9	170
2	Neutrophil NET formation is regulated from the inside by myeloperoxidase-processed reactive oxygen species. Free Radical Biology and Medicine, 2015, 89, 1024-1035.	2.9	144
3	Exopolysaccharides from Burkholderia cenocepacia Inhibit Neutrophil Chemotaxis and Scavenge Reactive Oxygen Species. Journal of Biological Chemistry, 2006, 281, 2526-2532.	3.4	135
4	Galectin-3 functions as an opsonin and enhances the macrophage clearance of apoptotic neutrophils. Glycobiology, 2008, 19, 16-20.	2.5	127
5	Galectin-3 enhances monocyte-derived macrophage efferocytosis of apoptotic granulocytes in asthma. Respiratory Research, 2019, 20, 1.	3.6	104
6	Enhanced inflammatory responses of chronic granulomatous disease leukocytes involve ROSâ€independent activation of NFâ€ºB. European Journal of Immunology, 2007, 37, 1087-1096.	2.9	95
7	Importance of Virulence Factors for the Persistence of Oral Bacteria in the Inflamed Gingival Crevice and in the Pathogenesis of Periodontal Disease. Journal of Clinical Medicine, 2019, 8, 1339.	2.4	93
8	The Human Neutrophil Subsets Defined by the Presence or Absence of OLFM4 Both Transmigrate into Tissue In Vivo and Give Rise to Distinct NETs In Vitro. PLoS ONE, 2013, 8, e69575.	2.5	90
9	ROS-deficient monocytes have aberrant gene expression that correlates with inflammatory disorders of chronic granulomatous disease. Clinical Immunology, 2008, 129, 90-102.	3.2	86
10	Measurement of Respiratory Burst Products, Released or Retained, During Activation of Professional Phagocytes. Methods in Molecular Biology, 2014, 1124, 321-338.	0.9	86
11	Lipopolysaccharide-Induced Granule Mobilization and Priming of the Neutrophil Response to Helicobacter pylori Peptide Hp(2-20), Which Activates Formyl Peptide Receptor-Like 1. Infection and Immunity, 2002, 70, 2908-2914.	2.2	67
12	Phenol-Soluble Modulin Î± Peptide Toxins from Aggressive Staphylococcus aureus Induce Rapid Formation of Neutrophil Extracellular Traps through a Reactive Oxygen Species-Independent Pathway. Frontiers in Immunology, 2017, 8, 257.	4.8	66
13	Intracellular Neutrophil Oxidants: From Laboratory Curiosity to Clinical Reality. Journal of Immunology, 2019, 202, 3127-3134.	0.8	66
14	Staphylokinase Control ofStaphylococcus aureusBiofilm Formation and Detachment Through Host Plasminogen Activation. Journal of Infectious Diseases, 2016, 213, 139-148.	4.0	61
15	NADPH-oxidase activation in murine neutrophils via formyl peptide receptors. Experimental Cell Research, 2003, 282, 70-77.	2.6	52
16	Burkholderia cenocepaciaInduces Neutrophil Necrosis in Chronic Granulomatous Disease. Journal of Immunology, 2005, 174, 3562-3569.	0.8	51
17	Reactivation of Formyl Peptide Receptors Triggers the Neutrophil NADPH-oxidase but Not a Transient Rise in Intracellular Calcium. Journal of Biological Chemistry, 2003, 278, 30578-30586.	3.4	50
18	TLR-Stimulated Neutrophils Instruct NK Cells To Trigger Dendritic Cell Maturation and Promote Adaptive T Cell Responses. Journal of Immunology, 2015, 195, 1121-1128.	0.8	48

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19	A novel receptor cross-talk between the ATP receptor P2Y2 and formyl peptide receptors reactivates desensitized neutrophils to produce superoxide. Experimental Cell Research, 2014, 323, 209-217.	2.6	46
20	Elevated Mitochondrial Reactive Oxygen Species and Cellular Redox Imbalance in Human NADPH-Oxidase-Deficient Phagocytes. Frontiers in Immunology, 2017, 8, 1828.	4.8	44
21	Phagocyte interactions with Mycobacterium tuberculosis â€" Simultaneous analysis of phagocytosis, phagosome maturation and intracellular replication by imaging flow cytometry. Journal of Immunological Methods, 2015, 427, 73-84.	1.4	42
22	Chronic Granulomatous Disease: From Genetic Defect to Clinical Presentation. , 2005, 568, 67-87.		38
23	Increased Intracellular Oxygen Radical Production in Neutrophils During Febrile Episodes of Periodic Fever, Aphthous Stomatitis, Pharyngitis, and Cervical Adenitis Syndrome. Arthritis and Rheumatism, 2013, 65, 2971-2983.	6.7	37
24	CFP-10 from Mycobacterium tuberculosis Selectively Activates Human Neutrophils through a Pertussis Toxin-Sensitive Chemotactic Receptor. Infection and Immunity, 2015, 83, 205-213.	2.2	36
25	The Neutrophil Response Induced by an Agonist for Free Fatty Acid Receptor 2 (GPR43) Is Primed by Tumor Necrosis Factor Alpha and by Receptor Uncoupling from the Cytoskeleton but Attenuated by Tissue Recruitment. Molecular and Cellular Biology, 2016, 36, 2583-2595.	2.3	36
26	Cytochalasin B triggers a novel pertussis toxin sensitive pathway in TNF-alpha primed neutrophils. BMC Cell Biology, 2004, 5, 21.	3.0	32
27	CTLA4 Immunoglobulin but Not Antiâ€"Tumor Necrosis Factor Therapy Promotes Staphylococcal Septic Arthritis in Mice. Journal of Infectious Diseases, 2015, 212, 1308-1316.	4.0	32
28	P2Y2 receptor signaling in neutrophils is regulated from inside by a novel cytoskeleton-dependent mechanism. Experimental Cell Research, 2015, 336, 242-252.	2.6	31
29	Hyper-truncated Asn355- and Asn391-glycans modulate the activity of neutrophil granule myeloperoxidase. Journal of Biological Chemistry, 2021, 296, 100144.	3.4	31
30	Measurement of Respiratory Burst Products, Released or Retained, During Activation of Professional Phagocytes. Methods in Molecular Biology, 2020, 2087, 301-324.	0.9	31
31	Lectins Offer New Perspectives in the Development of Macrophage-Targeted Therapies for COPD/Emphysema. PLoS ONE, 2013, 8, e56147.	2.5	29
32	Galectin-3 type-C self-association on neutrophil surfaces; The carbohydrate recognition domain regulates cell function. Journal of Leukocyte Biology, 2018, 103, 341-353.	3.3	29
33	Short chain fatty acids released by Fusobacterium nucleatum are neutrophil chemoattractants acting via free fatty acid receptor 2 (<scp>FFAR2</scp>). Cellular Microbiology, 2021, 23, e13348.	2.1	29
34	A Pepducin Derived from the Third Intracellular Loop of FPR2 Is a Partial Agonist for Direct Activation of This Receptor in Neutrophils But a Full Agonist for Cross-Talk Triggered Reactivation of FPR2. PLoS ONE, 2014, 9, e109516.	2.5	27
35	Galectin-3 Is a Target for Proteases Involved in the Virulence of Staphylococcus aureus. Infection and Immunity, 2017, 85, .	2.2	23
36	Inhibition of phospholipase A2 abrogates intracellular processing of NADPH-oxidase derived reactive oxygen species in human neutrophils. Experimental Cell Research, 2013, 319, 761-774.	2.6	22

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37	Glycan analysis of human neutrophil granules implicates a maturation-dependent glycosylation machinery. Journal of Biological Chemistry, 2020, 295, 12648-12660.	3.4	22
38	DPI Selectively Inhibits Intracellular NADPH Oxidase Activity in Human Neutrophils. ImmunoHorizons, 2019, 3, 488-497.	1.8	21
39	Regulation of Neutrophil Apoptosis Differs after in vivo Transmigration to Skin Chambers and Synovial Fluid: A Role for Inflammasome-Dependent Interleukin-1Î² Release. Journal of Innate Immunity, 2013, 5, 377-388.	3.8	20
40	Analyzing Cell Death Events in Cultured Leukocytes. Methods in Molecular Biology, 2012, 844, 65-86.	0.9	20
41	A simple skin blister technique for the study of in vivo transmigration of human leukocytes. Journal of Immunological Methods, 2013, 393, 8-17.	1.4	19
42	Olfactomedin-4 autoantibodies give unusual c-ANCA staining patterns with reactivity to a subpopulation of neutrophils. Journal of Leukocyte Biology, 2015, 97, 181-189.	3.3	19
43	The neutrophil subset defined by CD177 expression is preferentially recruited to gingival crevicular fluid in periodontitis. Journal of Leukocyte Biology, 2021, 109, 349-362.	3.3	19
44	The Role of Formyl Peptide Receptors for Immunomodulatory Activities of Antimicrobial Peptides and Peptidomimetics. Current Pharmaceutical Design, 2018, 24, 1100-1120.	1.9	19
45	Quantification of heterotypic granule fusion in human neutrophils by imaging flow cytometry. Data in Brief, 2016, 6, 386-393.	1.0	17
46	A pepducin designed to modulate P2Y 2 R function interacts with FPR2 in human neutrophils and transfers ATP to an NADPH-oxidase-activating ligand through a receptor cross-talk mechanism. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 1228-1237.	4.1	17
47	Increased CD11b and Decreased CD62L in Blood and Airway Neutrophils from Long-Term Smokers with and without COPD. Journal of Innate Immunity, 2020, 12, 480-489.	3.8	16
48	Neutrophil recruitment to inflamed joints can occur without cellular priming. Journal of Leukocyte Biology, 2019, 105, 1123-1130.	3.3	15
49	Porphyromonas gingivalis Produce Neutrophil Specific Chemoattractants Including Short Chain Fatty Acids. Frontiers in Cellular and Infection Microbiology, 2020, 10, 620681.	3.9	13
50	Determination of Subset-Restricted Anti-neutrophil Cytoplasmic Antibodies (ANCA) by Immunofluorescence Cytochemistry. Methods in Molecular Biology, 2019, 1901, 63-77.	0.9	11
51	In Vivo Transmigrated Human Neutrophils Are Highly Primed for Intracellular Radical Production Induced by Monosodium Urate Crystals. International Journal of Molecular Sciences, 2020, 21, 3750.	4.1	11
52	Reduced sialyl-Lewis^xon salivary MUC7 from patients with burning mouth syndrome. Molecular Omics, 2019, 15, 331-339.	2.8	10
53	Immunostimulatory DNA induces degranulation and NADPH-oxidase activation in human neutrophils while concomitantly inhibiting chemotaxis and phagocytosis. European Journal of Immunology, 2002, 32, 2847-2856.	2.9	9
54	Activated low-density granulocytes in peripheral and intervillous blood and neutrophil inflammation in placentas from SLE pregnancies. Lupus Science and Medicine, 2021, 8, e000463.	2.7	8

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55	Formyl peptide derived lipopeptides disclose differences between the receptors in mouse and men and call the pepducin concept in question. PLoS ONE, 2017, 12, e0185132.	2.5	8
56	Midkine Is Expressed and Differentially Processed during Chronic Obstructive Pulmonary Disease Exacerbations and Ventilator-Associated Pneumonia Associated with Staphylococcus aureus Infection. Molecular Medicine, 2013, 19, 314-323.	4.4	7
57	Neutrophils from patients with SAPHO syndrome show no signs of aberrant NADPH oxidase-dependent production of intracellular reactive oxygen species. Rheumatology, 2016, 55, 1489-1498.	1.9	7
58	Functional characteristics of circulating granulocytes in severe congenital neutropenia caused by ELANE mutations. BMC Pediatrics, 2019, 19, 189.	1.7	7
59	Systemic Galectin-3 in Smokers with Chronic Obstructive Pulmonary Disease and Chronic Bronchitis: The Impact of Exacerbations. International Journal of COPD, 2021, Volume 16, 367-377.	2.3	4
60	A rare CTSC mutation in Papillon-LefÃ¨vre Syndrome results in abolished serine protease activity and reduced NET formation but otherwise normal neutrophil function. PLoS ONE, 2021, 16, e0261724.	2.5	4
61	The secretion of cytokines by peripheral blood mononuclear cells of patients with periodontitis and healthy controls when exposed to H₂S. Journal of Oral Microbiology, 2021, 13, 1957368.	2.7	1
62	Reply to Julia Volkmann and Sibylle von Vietinghoff. Journal of Leukocyte Biology, 2020, 108, 1709-1710.	3.3	0