Geert van den Bogaart

List of Publications by Year
in descending order

91 papers	5,708 citations	94269 37 h-index	85405 71 g-index
103 all docs	103 docs citations	103 times ranked	8427 citing authors

#	Article	IF	Citations
1	Hypoxia and TLR9 activation drive CXCL4 production in systemic sclerosis plasmacytoid dendritic cells via mtROS and HIF-2Î±. Rheumatology, 2022, 61, 2682-2693.	0.9	6
2	Putative regulation of macrophage-mediated inflammation by catestatin. Trends in Immunology, 2022, 43, 41-50.	2.9	7
3	Catestatin induces glycogenesis by stimulating the phosphoinositide 3â€kinaseâ€AKT pathway. Acta Physiologica, 2022, 235, e13775.	1.8	9
4	Novel and conventional inhibitors of canonical autophagy differently affect LC3â€associated phagocytosis. FEBS Letters, 2022, 596, 491-509.	1.3	9
5	Fluorescence Lifetime Imaging of pH along the Secretory Pathway. ACS Chemical Biology, 2022, 17, 240-251.	1.6	12
6	Assembling anisotropic colloids using curvature-mediated lipid sorting. Soft Matter, 2022, 18, 1757-1766.	1.2	3
7	LC3-associated phagocytosis: a sorting mechanism for ubiquitinated membrane proteins?. , 2022, 1, 25-28.		0
8	Quantum Sensing of Free Radicals in Primary Human Dendritic Cells. Nano Letters, 2022, 22, 1818-1825.	4.5	42
9	The anti-inflammatory peptide Catestatin blocks chemotaxis. Journal of Leukocyte Biology, 2022, 112, 273-278.	1.5	5
10	Mitochondrial interaction of fibrosis-protective 5-methoxy tryptophan enhances collagen uptake by macrophages. Free Radical Biology and Medicine, 2022, 188, 287-297.	1.3	5
11	T cell cholesterol efflux suppresses apoptosis and senescence and increases atherosclerosis in middle aged mice. Nature Communications, 2022, 13, .	5.8	21
12	Vacuolar escape of foodborne bacterial pathogens. Journal of Cell Science, 2021, 134, jcs247221.	1.2	9
13	What makes (hydroxy)chloroquine ineffective against COVID-19: insights from cell biology. Journal of Molecular Cell Biology, 2021, 13, 175-184.	1.5	15
14	Chemogenetic Tags with Probe Exchange for Live-Cell Fluorescence Microscopy. ACS Chemical Biology, 2021, 16, 891-904.	1.6	5
15	Chromogranin A regulates gut permeability <i>via</i> the antagonistic actions of its proteolytic peptides. Acta Physiologica, 2021, 232, e13655.	1.8	20
16	Immunosuppression of Macrophages Underlies the Cardioprotective Effects of CST (Catestatin). Hypertension, 2021, 77, 1670-1682.	1.3	31
17	The Roles of Phospholipase A2 in Phagocytes. Frontiers in Cell and Developmental Biology, 2021, 9, 673502.	1.8	15
18	The PIKfyve Inhibitor Apilimod: A Double-Edged Sword against COVID-19. Cells, 2021, 10, 30.	1.8	30

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19	Congenital disorder of glycosylation caused by starting site-specific variant in syntaxin-5. Nature Communications, 2021, 12, 6227.	5.8	14
20	Transmembrane Helices Are an Over-Presented and Evolutionarily Conserved Source of Major Histocompatibility Complex Class I and II Epitopes. Frontiers in Immunology, 2021, 12, 763044.	2.2	2
21	Editorial: Signaling Proteins for Endosomal and Lysosomal Function. Frontiers in Cell and Developmental Biology, 2021, 9, 821719.	1.8	0
22	Membrane trafficking as an active regulator of constitutively secreted cytokines. Journal of Cell Science, 2020, 133, .	1.2	20
23	Reverse Signaling by MHC-I Molecules in Immune and Non-Immune Cell Types. Frontiers in Immunology, 2020, 11, 605958.	2.2	23
24	Sugary Logistics Gone Wrong: Membrane Trafficking and Congenital Disorders of Glycosylation. International Journal of Molecular Sciences, 2020, 21, 4654.	1.8	24
25	Antigen Cross-Presentation by Macrophages. Frontiers in Immunology, 2020, 11, 1276.	2.2	102
26	Modulation of Immune Responses by Particle Size and Shape. Frontiers in Immunology, 2020, 11, 607945.	2.2	122
27	Interleukin-6 secretion is limited by self-signaling in endosomes. Journal of Molecular Cell Biology, 2019, 11, 144-157.	1.5	44
28	Stx5-Mediated ER-Golgi Transport in Mammals and Yeast. Cells, 2019, 8, 780.	1.8	42
29	Radical Stress Is More Cytotoxic in the Nucleus than in Other Organelles. International Journal of Molecular Sciences, 2019, 20, 4147.	1.8	16
30	Chasing Uptake: Super-Resolution Microscopy in Endocytosis and Phagocytosis. Trends in Cell Biology, 2019, 29, 727-739.	3.6	20
31	Human Monocyte-Derived Dendritic Cells Produce Millimolar Concentrations of ROS in Phagosomes Per Second. Frontiers in Immunology, 2019, 10, 1216.	2.2	42
32	Oxygen in the tumor microenvironment: effects on dendritic cell function. Oncotarget, 2019, 10, 883-896.	0.8	51
33	Catestatin regulates vesicular quanta through modulation of cholinergic and peptidergic (PACAPergic) stimulation in PC12 cells. Cell and Tissue Research, 2019, 376, 51-70.	1.5	11
34	The Phosphoinositide Kinase PIKfyve Promotes Cathepsin-S-Mediated Major Histocompatibility Complex Class II Antigen Presentation. IScience, 2019, 11, 160-177.	1.9	41
35	Catestatin Improves Insulin Sensitivity by Promoting M1â€M2 Polarization and Inhibiting Obesityâ€Induced Macrophage Infiltration and Gluconeogenesis in Liver. FASEB Journal, 2019, 33, 834.13.	0.2	0
36	Secretory vesicles of immune cells contain only a limited number of interleukin 6 molecules. FEBS Letters, 2018, 592, 1535-1544.	1.3	9

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37	Hypoxia potentiates monocyte-derived dendritic cells for release of tumor necrosis factor Î± via MAP3K8. Bioscience Reports, 2018, 38, .	1.1	31
38	Catestatin as a Target for Treatment of Inflammatory Diseases. Frontiers in Immunology, 2018, 9, 2199.	2.2	47
39	Endosomal and Phagosomal SNAREs. Physiological Reviews, 2018, 98, 1465-1492.	13.1	68
40	Quantitative Microscopy of SNARE Complexes in Live Cells. Biophysical Journal, 2018, 114, 9a-10a.	0.2	0
41	Integrating glycomics and genomics uncovers SLC10A7 as essential factor for bone mineralization by regulating post-Golgi protein transport and glycosylation. Human Molecular Genetics, 2018, 27, 3029-3045.	1.4	37
42	Oxidized phagosomal NOX2 is replenished from lysosomes. Journal of Cell Science, 2017, 130, 1285-1298.	1.2	35
43	SWAP70 is a universal GEF-like adaptor for tethering actin to phagosomes. Small GTPases, 2017, 10, 1-12.	0.7	9
44	Tetraspanin microdomains control localized protein kinase C signaling in B cells. Science Signaling, 2017, 10, .	1.6	35
45	Ethylene, an early marker of systemic inflammation in humans. Scientific Reports, 2017, 7, 6889.	1.6	32
46	VAMP8-mediated NOX2 recruitment to endosomes is necessary for antigen release. European Journal of Cell Biology, 2017, 96, 705-714.	1.6	40
47	Visualizing Intracellular SNARE Trafficking by Fluorescence Lifetime Imaging Microscopy. Journal of Visualized Experiments, 2017, , .	0.2	11
48	Transmembrane Helices Are an Overlooked Source of Major Histocompatibility Complex Class I Epitopes. Frontiers in Immunology, 2017, 8, 1118.	2.2	36
49	Fluorescence Lifetime Imaging Microscopy reveals rerouting of SNARE trafficking driving dendritic cell activation. ELife, 2017, 6, .	2.8	21
50	Lipid peroxidation causes endosomal antigen release for cross-presentation. Scientific Reports, 2016, 6, 22064.	1.6	120
51	SWAP70 Organizes the Actin Cytoskeleton and Is Essential for Phagocytosis. Cell Reports, 2016, 17, 1518-1531.	2.9	53
52	CCDC115 Deficiency Causes a Disorder of Golgi Homeostasis with Abnormal Protein Glycosylation. American Journal of Human Genetics, 2016, 98, 310-321.	2.6	88
53	Single-vesicle imaging reveals different transport mechanisms between glutamatergic and GABAergic vesicles. Science, 2016, 351, 981-984.	6.0	72
54	TMEM199 Deficiency Is a Disorder of Golgi Homeostasis Characterized by Elevated Aminotransferases, Alkaline Phosphatase, and Cholesterol and Abnormal Glycosylation. American Journal of Human Genetics, 2016, 98, 322-330.	2.6	73

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55	Calcium Promotes the Formation of Syntaxin 1 Mesoscale Domains through Phosphatidylinositol 4,5-Bisphosphate. Journal of Biological Chemistry, 2016, 291, 7868-7876.	1.6	29
56	The dendritic cell side of the immunological synapse. Biomolecular Concepts, 2016, 7, 17-28.	1.0	22
57	The tetraspanin web revisited by super-resolution microscopy. Scientific Reports, 2015, 5, 12201.	1.6	123
58	Editorial: Membrane domains as new drug targets. Frontiers in Physiology, 2015, 6, 172.	1.3	11
59	Hydrophobic mismatch sorts SNARE proteins into distinct membrane domains. Nature Communications, 2015, 6, 5984.	5.8	130
60	Podosomes of dendritic cells facilitate antigen sampling. Journal of Cell Science, 2014, 127, 1052-1064.	1.2	71
61	Reaching for far-flung antigen: How solid-core podosomes of dendritic cells transform into protrusive structures. Communicative and Integrative Biology, 2014, 7, e9709611.	0.6	4
62	Microdomains of SNARE Proteins in the Plasma Membrane. Current Topics in Membranes, 2013, 72, 193-230.	0.5	34
63	Microscale thermophoresis quantifies biomolecular interactions under previously challenging conditions. Methods, 2013, 59, 301-315.	1.9	501
64	Synaptic PI(3,4,5)P3 Is Required for Syntaxin1A Clustering and Neurotransmitter Release. Neuron, 2013, 77, 1097-1108.	3.8	91
65	Phosphatidylinositol 4,5-bisphosphate clusters act as molecular beacons for vesicle recruitment. Nature Structural and Molecular Biology, 2013, 20, 679-686.	3.6	246
66	Controlling synaptotagmin activity by electrostatic screening. Nature Structural and Molecular Biology, 2012, 19, 991-997.	3.6	69
67	<i>Cis</i> - and <i>trans</i> -membrane interactions of synaptotagmin-1. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11037-11042.	3.3	61
68	Phosphatidylinositol 4,5-Bisphosphate Increases Ca2+ Affinity of Synaptotagmin-1 by 40-fold. Journal of Biological Chemistry, 2012, 287, 16447-16453.	1.6	112
69	LRRK2 Controls an EndoA Phosphorylation Cycle in Synaptic Endocytosis. Neuron, 2012, 75, 1008-1021.	3.8	312
70	Synaptotagmin-1 may be a distance regulator acting upstream of SNARE nucleation. Nature Structural and Molecular Biology, 2011, 18, 805-812.	3.6	125
71	SNARE derived peptide mimic inducing membrane fusion. Chemical Communications, 2011, 47, 9405.	2.2	54
72	Long Unfolded Linkers Facilitate Membrane Protein Import Through the Nuclear Pore Complex. Science, 2011, 333, 90-93.	6.0	128

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73	Evaluation of Pulsed-FRAP and Conventional-FRAP for Determination of Protein Mobility in Prokaryotic Cells. PLoS ONE, 2011, 6, e25664.	1.1	18
74	Quaternary Structure of SecA in Solution and Bound to SecYEG Probed at the Single Molecule Level. Structure, 2011, 19, 430-439.	1.6	63
75	Membrane protein sequestering by ionic proteinâ€“lipid interactions. Nature, 2011, 479, 552-555.	13.7	515
76	Counting the SNAREs needed for membrane fusion. Journal of Molecular Cell Biology, 2011, 3, 204-205.	1.5	29
77	Inside insight to membrane fusion. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11729-11730.	3.3	5
78	Molecular sieving properties of the cytoplasm of <i>Escherichia coli</i> and consequences of osmotic stress. Molecular Microbiology, 2010, 77, 200-207.	1.2	100
79	One SNARE complex is sufficient for membrane fusion. Nature Structural and Molecular Biology, 2010, 17, 358-364.	3.6	233
80	Purification and Functional Reconstitution of the Bacterial Protein Translocation Pore, the SecYEG Complex. Methods in Molecular Biology, 2010, 619, 131-143.	0.4	10
81	Nuclear transport factor directs localization of protein synthesis during mitosis. Nature Cell Biology, 2009, 11, 350-356.	4.6	19
82	Lateral Diffusion of Membrane Proteins. Journal of the American Chemical Society, 2009, 131, 12650-12656.	6.6	293
83	Probing Receptor-Translocator Interactions in the Oligopeptide ABC Transporter by Fluorescence Correlation Spectroscopy. Biophysical Journal, 2008, 94, 3956-3965.	0.2	49
84	Dual-color fluorescence-burst analysis to study pore formation and proteinâ€“protein interactions. Methods, 2008, 46, 123-130.	1.9	25
85	On the Mechanism of Pore Formation by Melittin. Journal of Biological Chemistry, 2008, 283, 33854-33857.	1.6	163
86	Dual-Color Fluorescence-Burst Analysis to Probe Protein Efflux through the Mechanosensitive Channel MscL. Biophysical Journal, 2007, 92, 1233-1240.	0.2	67
87	On the Decrease in Lateral Mobility of Phospholipids by Sugars. Biophysical Journal, 2007, 92, 1598-1605.	0.2	71
88	The Lipid Dependence of Melittin Action Investigated by Dual-Color Fluorescence Burst Analysis. Biophysical Journal, 2007, 93, 154-163.	0.2	51
89	Protein mobility and diffusive barriers inEscherichiaâ€ƒcoli: consequences of osmotic stress. Molecular Microbiology, 2007, 64, 858-871.	1.2	82
90	The oligomeric state and stability of the mannitol transporter, EnzymeIImtl, fromEscherichia coli: A fluorescence correlation spectroscopy study. Protein Science, 2006, 15, 1977-1986.	3.1	6

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91	Distribution, Lateral Mobility and Function of Membrane Proteins Incorporated into Giant Unilamellar Vesicles. Biophysical Journal, 2005, 88, 1134-1142.	0.2	132