

# JÃ¼rgen Roth

## List of Publications by Year in descending order

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72  
papers

3,407  
citations

172457

29  
h-index

149698

56  
g-index

73  
all docs

73  
docs citations

73  
times ranked

3536  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein N-Glycosylation along the Secretory Pathway: Relationship to Organelle Topography and Function, Protein Quality Control, and Cell Interactions. <i>Chemical Reviews</i> , 2002, 102, 285-304.	47.7	368
2	Degradation of Misfolded Endoplasmic Reticulum Glycoproteins in <i>Saccharomyces cerevisiae</i> Is Determined by a Specific Oligosaccharide Structure. <i>Journal of Cell Biology</i> , 1998, 142, 1223-1233.	5.2	324
3	A synthetic chaperone corrects the trafficking defect and disease phenotype in a protein misfolding disorder. <i>FASEB Journal</i> , 2005, 19, 12-18.	0.5	150
4	Analysis of RET protooncogene point mutations distinguishes heritable from nonheritable medullary thyroid carcinomas. <i>Cancer</i> , 1995, 76, 479-489.	4.1	145
5	Sodium 4-Phenylbutyrate Acts as a Chemical Chaperone on Misfolded Myocilin to Rescue Cells from Endoplasmic Reticulum Stress and Apoptosis. , 2007, 48, 1683.		141
6	Protein N-Glycosylation, Protein Folding, and Protein Quality Control. <i>Molecules and Cells</i> , 2010, 30, 497-506.	2.6	140
7	Aggregated Myocilin Induces Russell Bodies and Causes Apoptosis. <i>American Journal of Pathology</i> , 2007, 170, 100-109.	3.8	120
8	Pharmacological chaperone corrects lysosomal storage in Fabry disease caused by trafficking-incompetent variants. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 290, C1076-C1082.	4.6	111
9	Genomic imbalances in the progression of endocrine pancreatic tumors. <i>Genes Chromosomes and Cancer</i> , 2001, 32, 364-372.	2.8	105
10	An introduction to the sugar code. <i>Histochemistry and Cell Biology</i> , 2017, 147, 111-117.	1.7	105
11	Golgi Apparatus Immunolocalization of Endomannosidase Suggests Post-Endoplasmic Reticulum Glucose Trimming: Implications for Quality Control. <i>Molecular Biology of the Cell</i> , 2000, 11, 4227-4240.	2.1	99
12	The silver anniversary of gold: 25 years of the colloidal gold marker system for immunocytochemistry and histochemistry. <i>Histochemistry and Cell Biology</i> , 1996, 106, 1-8.	1.7	94
13	MEN1 Gene mutation analysis of sporadic adrenocortical lesions. <i>International Journal of Cancer</i> , 1999, 80, 373-379.	5.1	87
14	Genetic tailoring of N-linked oligosaccharides: The role of glucose residues in glycoprotein processing of <i>Saccharomyces cerevisiae</i> in vivo. <i>Glycobiology</i> , 1998, 8, 155-164.	2.5	82
15	EDEM1 reveals a quality control vesicular transport pathway out of the endoplasmic reticulum not involving the COPII exit sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4407-4412.	7.1	80
16	Deletion at 3p25.3-p23 is frequently encountered in endocrine pancreatic tumours and is associated with metastatic progression. <i>Journal of Pathology</i> , 2001, 194, 451-458.	4.5	77
17	Quality control of glycoprotein folding and ERAD: the role of N-glycan handling, EDEM1 and OS-9. <i>Histochemistry and Cell Biology</i> , 2017, 147, 269-284.	1.7	76
18	Misfolded proinsulin accumulates in expanded pre-Golgi intermediates and endoplasmic reticulum subdomains in pancreatic beta cells of Akita mice. <i>FASEB Journal</i> , 2004, 18, 917-919.	0.5	71

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19	The role of glucosidase II and endomannosidase in glucose trimming of asparagine-linked oligosaccharides. <i>Biochimie</i> , 2003, 85, 287-294.	2.6	66
20	Mott cells are plasma cells defective in immunoglobulin secretion. <i>European Journal of Immunology</i> , 1985, 15, 235-242.	2.9	65
21	Colon carcinoma glycoproteins carrying $\alpha$ 2,6-linked sialic acid reactive with Sambucus Nigra agglutinin are not constitutively expressed in normal human colon mucosa and are distinct from sialyl-tn antigen. <i>International Journal of Cancer</i> , 1997, 70, 575-581.	5.1	54
22	Improved mRNA in situ hybridization on formaldehyde-fixed and paraffin-embedded tissue using signal amplification with different haptenized tyramides. <i>Histochemistry and Cell Biology</i> , 1998, 110, 571-577.	1.7	54
23	Endocytic routes to the Golgi apparatus. <i>Histochemistry and Cell Biology</i> , 1998, 109, 555-570.	1.7	48
24	Protein quality control: the whoâ€™s who, the whereâ€™s and therapeutic escapes. <i>Histochemistry and Cell Biology</i> , 2008, 129, 163-177.	1.7	46
25	Clonal analysis of sporadic pancreatic endocrine tumours. , 1998, 186, 363-371.		45
26	Catalytically active telomerase holoenzyme is assembled in the dense fibrillar component of the nucleolus during S phase. <i>Histochemistry and Cell Biology</i> , 2014, 141, 137-152.	1.7	44
27	Characterization of Soluble Neural Cell Adhesion Molecule in Rat Brain, CSF, and Plasma. <i>Journal of Neurochemistry</i> , 1992, 59, 838-847.	3.9	43
28	CD44 standard and variant isoform expression in human epidermal skin tumors is not correlated with tumor aggressiveness but down-regulated during proliferation and tumor de-differentiation. , 1996, 69, 218-224.		41
29	The Proteasome Is Involved in the Degradation of Different Aquaporin-2 Mutants Causing Nephrogenic Diabetes Insipidus. <i>American Journal of Pathology</i> , 2003, 163, 111-120.	3.8	41
30	Expression of a cDNA encoding the glucose trimming enzyme glucosidase II in CHO cells and molecular characterization of the enzyme deficiency in a mutant mouse lymphoma cell line. <i>Glycobiology</i> , 1997, 7, 617-624.	2.5	39
31	Prognostic value ofRET proto-oncogene point mutations in malignant and benign, sporadic pheochromocytomas. , 1998, 79, 537-540.		39
32	Application of a lectin from the mushroom Polysporus squamosus for the histochemical detection of the NeuAc $\alpha$ 2,6Gal $\beta$ 1,4Glc/GlcNAc sequence of N-linked oligosaccharides: a comparison with the Sambucus nigra lectin. <i>Histochemistry and Cell Biology</i> , 2001, 116, 183-193.	1.7	33
33	O-GlcNAc modification is essential for the regulation of autophagy in Drosophila melanogaster. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 3173-3183.	5.4	31
34	The importance of trimming reactions on asparagine-linked oligosaccharides for protein quality control. <i>Histochemistry and Cell Biology</i> , 2002, 117, 159-169.	1.7	26
35	Subcellular distribution in rat liver of a novel broad-specificity (alpha1 2, alpha1 3 and alpha1 6) mannosidase active on oligomannose glycans. <i>FEBS Journal</i> , 1992, 205, 399-407.	0.2	25
36	CD44 standard and variant isoform expression in normal human skin appendages and epidermis. <i>Histochemistry and Cell Biology</i> , 1996, 106, 283-289.	1.7	24

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37	The ability to re-express polysialylated NCAM in soleus muscle after denervation is reduced in aged rats compared to young adult rats. <i>International Journal of Developmental Neuroscience</i> , 1995, 13, 97-104.	1.6	23
38	Cellular Site of Synthesis and Dynamics of Cell Surface Re-Expression of Polysialic Acid of the Neural Cell Adhesion Molecule. <i>FEBS Journal</i> , 1994, 225, 1097-1103.	0.2	22
39	Large protein complexes retained in the ER are dislocated by non-COPII vesicles and degraded by selective autophagy. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 1985-2002.	5.4	21
40	ERADication of EDEM1 occurs by selective autophagy and requires deglycosylation by cytoplasmic peptide N-glycanase. <i>Histochemistry and Cell Biology</i> , 2014, 142, 153-169.	1.7	18
41	Two Isoforms of Trimming Glucosidase II Exist in Mammalian Tissues and Cell Lines but Not in Yeast and Insect Cells. <i>Biochemical and Biophysical Research Communications</i> , 2001, 280, 363-367.	2.1	16
42	Expression of CD44 isoforms and Î²1,6-branched oligosaccharides in human malignant melanoma is correlated with tumor progression but not with mettastatic potential. <i>Journal of Cutaneous Pathology</i> , 1997, 24, 206-211.	1.3	15
43	Protein O-GlcNAcylation regulates <i>Drosophila</i> growth through the insulin signaling pathway. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 3377-3384.	5.4	15
44	Immunohistochemical evaluation of endomannosidase distribution in rat tissues: evidence for cell type-specific expression. <i>Histochemistry and Cell Biology</i> , 2000, 114, 461-467.	1.7	14
45	Expression of beta 1,6 branched asparagine-linked oligosaccharides in non-mitotic and non-migratory cells of normal human and rat tissues. <i>International Journal of Cancer</i> , 1997, 71, 483-490.	5.1	13
46	Genetic ablation and short-duration inhibition of lipoxygenase results in increased macroautophagy. <i>Experimental Cell Research</i> , 2014, 321, 276-287.	2.6	13
47	Megalyn in normal tissues and carcinoma cells carries oligo/poly alpha2,8 deaminoneuraminic acid as a unique posttranslational modification. <i>Glycoconjugate Journal</i> , 1999, 16, 185-188.	2.7	12
48	Expression of mutant Ins2C96Y results in enhanced tubule formation causing enlargement of pre-Golgi intermediates of CHO cells. <i>Histochemistry and Cell Biology</i> , 2007, 128, 161-173.	1.7	11
49	The silver anniversary of gold: 25 years of the colloidal gold marker system for immunocytochemistry and histochemistry. <i>Histochemistry and Cell Biology</i> , 1996, 106, 1-8.	1.7	11
50	A cell culture system for the induction of Mallory bodies: Mallory bodies and aggresomes represent different types of inclusion bodies. <i>Histochemistry and Cell Biology</i> , 2009, 132, 293-304.	1.7	9
51	Reduction in Golgi apparatus dimension in the absence of a residential protein, N-acetylglucosaminyltransferase V. <i>Histochemistry and Cell Biology</i> , 2014, 141, 153-164.	1.7	9
52	Differentiation-related expression of the Thomsen-Friedenreich glycotope in developing human lung and in lung carcinoma. <i>Cancer</i> , 1999, 85, 2151-2159.	4.1	8
53	RET is expressed but not mutated in extra-adrenal paragangliomas. <i>Journal of Pathology</i> , 2000, 191, 264-268.	4.5	6
54	Selective autophagy of cytosolic protein aggregates involves ribosome-free rough endoplasmic reticulum. <i>Histochemistry and Cell Biology</i> , 2020, 153, 89-99.	1.7	6

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55	CD44 standard and variant isoform expression in normal human skin appendages and epidermis. <i>Histochemistry and Cell Biology</i> , 1996, 106, 283-289.	1.7	6
56	Blot Analysis with Lectins for the Evaluation of Glycoproteins in Cultured Cells and Tissues. , 1998, 9, 159-166.		4
57	Endomannosidase undergoes phosphorylation in the Golgi apparatus. <i>Glycobiology</i> , 2010, 20, 55-61.	2.5	4
58	Clonal analysis of sporadic pancreatic endocrine tumours. <i>Journal of Pathology</i> , 1998, 186, 363-371.	4.5	4
59	The <i>Histochemistry and Cell Biology</i> pandect: the year 2014 in review. <i>Histochemistry and Cell Biology</i> , 2015, 143, 339-368.	1.7	3
60	In focus in HCB. <i>Histochemistry and Cell Biology</i> , 2019, 152, 391-395.	1.7	3
61	Transition in HCB Editor-in-Chief. <i>Histochemistry and Cell Biology</i> , 2016, 145, 1-3.	1.7	1
62	Russell body formation and apoptosis in myocilinâ€caused primary openâ€angle glaucoma: rescue by the chemical chaperone sodium 4â€phenylbutyrate. <i>FASEB Journal</i> , 2007, 21, A182.	0.5	1
63	Secretion, endocytosis, and protein quality control. <i>Histochemistry and Cell Biology</i> , 2002, 117, 89-89.	1.7	0
64	A note to our authors. <i>Histochemistry and Cell Biology</i> , 2004, 122, 181-181.	1.7	0
65	In this special issue. <i>Histochemistry and Cell Biology</i> , 2014, 141, 559-560.	1.7	0
66	In this special issue. <i>Histochemistry and Cell Biology</i> , 2014, 142, 3-4.	1.7	0
67	In focus in HCB. <i>Histochemistry and Cell Biology</i> , 2020, 153, 1-3.	1.7	0
68	In focus in HCB. <i>Histochemistry and Cell Biology</i> , 2020, 153, 71-75.	1.7	0
69	The protein quality control receptor EDEM uses a novel vesicle transport pathway to exit the ER±±±. <i>FASEB Journal</i> , 2006, 20, A914.	0.5	0
70	Rough Endoplasmic Reticulum: Storage Site of Aggregates of Misfolded Glycoproteins. , 2010, , 38-39.		0
71	Oligosaccharide Trimming, Reglucosylation, and Protein Quality Control in the Rough Endoplasmic Reticulum. , 2010, , 36-37.		0
72	Pre-Golgi Intermediates: Oligosaccharide Trimming and Protein Quality control. , 2010, , 48-49.		0