

Günter Müller

List of Publications by Year in descending order

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100
papers

3,806
citations

126907

33
h-index

128289

60
g-index

102
all docs

102
docs citations

102
times ranked

3584
citing authors

#	ARTICLE	IF	CITATIONS
1	Upregulated phospholipase D activity toward glycosylphosphatidylinositol-anchored proteins in micelle-like serum complexes in metabolically deranged rats and humans. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E462-E479.	3.5	14
2	Chip-based sensing for release of unprocessed cell surface proteins in vitro and in serum and its (patho)physiological relevance. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E212-E233.	3.5	10
3	Insulin Analogs: Assessment of Insulin Mitogenicity and IGF-I Activity. , 2016, , 3119-3166.		1
4	Methods to Induce Experimental Diabetes Mellitus. , 2016, , 2569-2581.		0
5	Personalized Diagnosis and Therapy. , 2016, , 3167-3284.		1
6	Insulin Target Tissues and Cells. , 2016, , 2681-2722.		0
7	Genetically Diabetic Animals. , 2016, , 2583-2622.		0
8	Assays for Insulin and Insulin-Like Regulation of Energy Metabolism. , 2016, , 2871-2893.		0
9	Assays for the Expression and Release of Insulin and Glucose-Regulating Peptide Hormones from Pancreatic Î²-Cell. , 2016, , 3029-3057.		0
10	Assays for Insulin and Insulin-Like Regulation of Gene and Protein Expression. , 2016, , 2895-2934.		0
11	Measurement of Blood Glucose-Lowering and Antidiabetic Activity. , 2016, , 2623-2656.		0
12	Assays for Insulin and Insulin-Like Activity Based on Adipocytes. , 2016, , 2781-2869.		0
13	Measurement of Insulin and Other Glucose-Regulating Peptide Hormones. , 2016, , 2657-2679.		0
14	Monitoring of Diabetic Late Complication. , 2016, , 3071-3117.		0
15	Assays for Insulin and Insulin-Like Signal Transduction Based on Adipocytes, Hepatocytes and Myocytes. , 2016, , 2935-3028.		0
16	Measurement of Glucose Absorption. , 2016, , 3059-3070.		0
17	Assays for Insulin and Insulin-Like Metabolic Activity Based on Hepatocytes, Myocytes and Diaphragms. , 2016, , 2723-2780.		0
18	Differential sensing for the regio- and stereoselective identification and quantitation of glycerides. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3977-86.	7.1	16

#	ARTICLE	IF	CITATIONS
19	Insulin Analogs: Assessment of Insulin Mitogenicity and IGF-I Activity. , 2015, , 1-54.		0
20	Genetically Diabetic Animals. , 2015, , 1-45.		0
21	Monitoring of Diabetic Late Complication. , 2015, , 1-51.		0
22	Personalized Diagnosis and Therapy. , 2015, , 1-127.		0
23	Assays for Insulin and Insulin-Like Activity Based on Adipocytes. , 2015, , 1-97.		0
24	Insulin Target Tissues and Cells. , 2015, , 1-45.		0
25	Assays for Insulin and Insulin-Like Metabolic Activity Based on Hepatocytes, Myocytes, and Diaphragms. , 2015, , 1-62.		0
26	Assays for Insulin and Insulin-Like Signal Transduction Based on Adipocytes, Hepatocytes, and Myocytes. , 2015, , 1-100.		0
27	Novel Target Identification Technologies for the Personalised Therapy of Type II Diabetes and Obesity. Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry, 2012, 12, 183-207.	0.5	4
28	Microvesicles/exosomes as potential novel biomarkers of metabolic diseases. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2012, 5, 247.	2.4	138
29	The molecular mechanism of human hormone-sensitive lipase inhibition by substituted 3-phenyl-5-alkoxy-1,3,4-oxadiazol-2-ones. Biochimie, 2012, 94, 137-145.	2.6	27
30	Release of exosomes and microvesicles harbouring specific RNAs and glycosylphosphatidylinositol-anchored proteins from rat and human adipocytes is controlled by histone methylation. American Journal of Molecular Biology, 2012, 02, 187-209.	0.3	15
31	(Glycosylphosphatidylinositol-Based) Protein Chips and Biosensors for Biopharmaceutical Process Analytics. Journal of Bioprocessing & Biotechniques, 2012, 02, .	0.2	4
32	Lipid Storage in Large and Small Rat Adipocytes by Vesicle-Associated Glycosylphosphatidylinositol-Anchored Proteins. Results and Problems in Cell Differentiation, 2011, 52, 27-34.	0.7	6
33	Glycosylphosphatidylinositol-Anchored Protein Chips for Patient-Tailored Multi-Parameter Proteomics. Journal of Biochips & Tissue Chips, 2011, s3, .	0.2	5
34	Upregulation of Lipid Synthesis in Small Rat Adipocytes by Microvesicle-Associated CD73 From Large Adipocytes. Obesity, 2011, 19, 1531-1544.	3.0	34
35	Glycosylphosphatidylinositol-anchored proteins coordinate lipolysis inhibition between large and small adipocytes. Metabolism: Clinical and Experimental, 2011, 60, 1021-1037.	3.4	16
36	Let's shift lipid burden-From large to small adipocytes. European Journal of Pharmacology, 2011, 656, 1-4.	3.5	21

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37	Microvesicles released from rat adipocytes and harboring glycosylphosphatidylinositol-anchored proteins transfer RNA stimulating lipid synthesis. <i>Cellular Signalling</i> , 2011, 23, 1207-1223.	3.6	141
38	Take-over: multiple mechanisms of inter-adipocyte communication. <i>Journal of Molecular Cell Biology</i> , 2011, 3, 81-90.	3.3	6
39	Novel applications for glycosylphosphatidylinositol-anchored proteins in pharmaceutical and industrial biotechnology. <i>Molecular Membrane Biology</i> , 2011, 28, 187-205.	2.0	11
40	Control of lipid storage and cell size between adipocytes by vesicle-associated glycosylphosphatidylinositol-anchored proteins. <i>Archives of Physiology and Biochemistry</i> , 2011, 117, 23-43.	2.1	21
41	In Vitro Metabolic and Mitogenic Signaling of Insulin Glargine and Its Metabolites. <i>PLoS ONE</i> , 2010, 5, e9540.	2.5	132
42	Inhibition of lipolysis by adiposomes containing glycosylphosphatidylinositol-anchored Gce1 protein in rat adipocytes. <i>Archives of Physiology and Biochemistry</i> , 2010, 116, 28-41.	2.1	25
43	Novel glimepiride derivatives with potential as double-edged swords against type II diabetes. <i>Archives of Physiology and Biochemistry</i> , 2010, 116, 3-20.	2.1	7
44	Oral Protein Therapy for the Future – Transport of Glycolipid-Modified Proteins: Vision or Fiction. <i>Pharmacology</i> , 2010, 86, 92-116.	2.2	10
45	Personalized Prognosis and Diagnosis of Type 2 Diabetes – Vision or Fiction?. <i>Pharmacology</i> , 2010, 85, 168-187.	2.2	23
46	Synthetic phosphoinositolglycans regulate lipid metabolism between rat adipocytes via release of GPI-protein-harboring adiposomes. <i>Archives of Physiology and Biochemistry</i> , 2010, 116, 97-115.	2.1	12
47	Induced release of membrane vesicles from rat adipocytes containing glycosylphosphatidylinositol-anchored microdomain and lipid droplet signalling proteins. <i>Cellular Signalling</i> , 2009, 21, 324-338.	3.6	68
48	Coordinated regulation of esterification and lipolysis by palmitate, H ₂ O ₂ and the anti-diabetic sulfonylurea drug, glimepiride, in rat adipocytes. <i>European Journal of Pharmacology</i> , 2008, 597, 6-18.	3.5	38
49	Inhibition of Lipolysis by Palmitate, H ₂ O ₂ and the Sulfonylurea Drug, Glimepiride, in Rat Adipocytes Depends on cAMP Degradation by Lipid Droplets. <i>Biochemistry</i> , 2008, 47, 1259-1273.	2.5	49
50	Association of (c)AMP-Degrading Glycosylphosphatidylinositol-Anchored Proteins with Lipid Droplets Is Induced by Palmitate, H ₂ O ₂ and the Sulfonylurea Drug, Glimepiride, in Rat Adipocytes. <i>Biochemistry</i> , 2008, 47, 1274-1287.	2.5	31
51	Translocation of Glycosylphosphatidylinositol-Anchored Proteins from Plasma Membrane Microdomains to Lipid Droplets in Rat Adipocytes Is Induced by Palmitate, H ₂ O ₂ , and the Sulfonylurea Drug Glimepiride. <i>Molecular Pharmacology</i> , 2008, 73, 1513-1529.	2.3	42
52	Dual Lipolytic Control of Body Fat Storage and Mobilization in <i>Drosophila</i> . <i>PLoS Biology</i> , 2007, 5, e137.	5.6	275
53	CB1 receptor antagonist AVE1625 affects primarily metabolic parameters independently of reduced food intake in Wistar rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E826-E832.	3.5	41
54	Use of an Inhibitor To Identify Members of the Hormone-Sensitive Lipase Family. <i>Biochemistry</i> , 2006, 45, 14183-14191.	2.5	45

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55	6,8-Difluoro-4-methylumbiliferyl phosphate: a fluorogenic substrate for protein tyrosine phosphatases. <i>Analytical Biochemistry</i> , 2005, 338, 32-38.	2.4	69
56	Regulation of lipid raft proteins by glimepiride- and insulin-induced glycosylphosphatidylinositol-specific phospholipase C in rat adipocytes. <i>Biochemical Pharmacology</i> , 2005, 69, 761-780.	4.4	56
57	Physiological and Pharmacological Regulation of Triacylglycerol Storage and Mobilization. , 2005, , 231-331.		0
58	Glycosyl-phosphatidylinositol Cleavage Products in Signal Transduction. , 2005, , 101-119.		1
59	The Mode of Action of the Antidiabetic Drug Glimepiride-Beyond Insulin Secretion. <i>Current Medicinal Chemistry Immunology, Endocrine & Metabolic Agents</i> , 2005, 5, 499-518.	0.2	13
60	Hepatic leptin signaling in obesity. <i>FASEB Journal</i> , 2005, 19, 1048-1050.	0.5	95
61	Sensitive assay for hormone-sensitive lipase using NBD-labeled monoacylglycerol to detect low activities in rat adipocytes. <i>Journal of Lipid Research</i> , 2005, 46, 603-614.	4.2	15
62	Continuous monitoring of cholesterol oleate hydrolysis by hormone-sensitive lipase and other cholesterol esterases. <i>Journal of Lipid Research</i> , 2005, 46, 994-1000.	4.2	31
63	Brummer lipase is an evolutionary conserved fat storage regulator in <i>Drosophila</i> . <i>Cell Metabolism</i> , 2005, 1, 323-330.	16.2	501
64	Might the Kinetic Behavior of Hormone-Sensitive Lipase Reflect the Absence of the Lid Domain?. <i>Biochemistry</i> , 2004, 43, 9298-9306.	2.5	42
65	Analysis of lipolysis in adipocytes using a fluorescent fatty acid derivative. <i>Biochimie</i> , 2003, 85, 1245-1256.	2.6	20
66	Intestinal cholesterol absorption: identification of different binding proteins for cholesterol and cholesterol absorption inhibitors in the enterocyte brush border membrane. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2003, 1633, 13-26.	2.4	29
67	Short-Term Leptin-Dependent Inhibition of Hepatic Gluconeogenesis Is Mediated by Insulin Receptor Substrate-2. <i>Molecular Endocrinology</i> , 2002, 16, 1612-1628.	3.7	66
68	Cyclipostins, Novel Hormone-sensitive Lipase Inhibitors from <i>Streptomyces</i> sp. DSM 13381. II. Isolation, Structure Elucidation and Biological Properties.. <i>Journal of Antibiotics</i> , 2002, 55, 480-494.	2.0	45
69	Interaction of phosphatidylinositolglycan(-peptides) with plasma membrane lipid rafts triggers insulin-mimetic signaling in rat adipocytes. <i>Archives of Biochemistry and Biophysics</i> , 2002, 408, 7-16.	3.0	23
70	Interaction of phosphoinositolglycan(-peptides) with plasma membrane lipid rafts of rat adipocytes. <i>Archives of Biochemistry and Biophysics</i> , 2002, 408, 17-32.	3.0	26
71	Dynamics of plasma membrane microdomains and cross-talk to the insulin signalling cascade. <i>FEBS Letters</i> , 2002, 531, 81-87.	2.8	35
72	Cholesterol Depletion Blocks Redistribution of Lipid Raft Components and Insulin-Mimetic Signaling by Glimepiride and Phosphoinositolglycans in Rat Adipocytes. <i>Molecular Medicine</i> , 2002, 8, 120-136.	4.4	59

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73	Antidiabetic activity1. , 2002, , 948-1051.		0
74	Insulin-Mimetic Signaling by the Sulfonylurea Glimepiride and Phosphoinositolglycans Involves Distinct Mechanisms for Redistribution of Lipid Raft Components. <i>Biochemistry</i> , 2001, 40, 14603-14620.	2.5	39
75	The Molecular Mechanism of the Insulin-mimetic/sensitizing Activity of the Antidiabetic Sulfonylurea Drug Amaryl. <i>Molecular Medicine</i> , 2000, 6, 907-933.	4.4	83
76	Stable plasma membrane expression of the soluble domain of the human insulin receptor in yeast. <i>FEBS Letters</i> , 2000, 481, 8-12.	2.8	4
77	Insulin-like Signaling in Yeast:Â Modulation of Protein Phosphatase 2A, Protein Kinase A, cAMP-Specific Phosphodiesterase, and Glycosyl-phosphatidylinositol-specific Phospholipase C Activities. <i>Biochemistry</i> , 2000, 39, 1475-1488.	2.5	28
78	Insulin Signaling in the Yeast <i>Saccharomyces cerevisiae</i> . 2. Interaction of Human Insulin with a Putative Binding Protein. <i>Biochemistry</i> , 1998, 37, 8696-8704.	2.5	15
79	Structureâ” Activity Relationship of Synthetic Phosphoinositolglycans Mimicking Metabolic Insulin Action. <i>Biochemistry</i> , 1998, 37, 13421-13436.	2.5	90
80	Insulin Signaling in the Yeast <i>Saccharomyces cerevisiae</i> . 1. Stimulation of Glucose Metabolism and Snf1 Kinase by Human Insulin. <i>Biochemistry</i> , 1998, 37, 8683-8695.	2.5	22
81	Insulin Signaling in the Yeast <i>Saccharomyces cerevisiae</i> . 3. Induction of Protein Phosphorylation by Human Insulin. <i>Biochemistry</i> , 1998, 37, 8705-8713.	2.5	16
82	Insulin-mimetic signalling of synthetic phosphoinositolglycans in isolated rat adipocytes. <i>Biochemical Journal</i> , 1998, 336, 163-181.	3.7	37
83	Signalling pathways of an insulin-mimetic phosphoinositolglycanâ” peptide in muscle and adipose tissue. <i>Biochemical Journal</i> , 1998, 330, 277-286.	3.7	47
84	Convergence and Divergence of the Signaling Pathways for Insulin and Phosphoinositolglycans. <i>Molecular Medicine</i> , 1998, 4, 299-323.	4.4	51
85	Leptin Impairs Metabolic Actions of Insulin in Isolated Rat Adipocytes. <i>Journal of Biological Chemistry</i> , 1997, 272, 10585-10593.	3.4	380
86	Analysis of lipid metabolism in adipocytes using a fluorescent fatty acid derivative. I. Insulin stimulation of lipogenesis. <i>Lipids and Lipid Metabolism</i> , 1997, 1347, 23-39.	2.6	20
87	Glucose Induces Amphiphilic to Hydrophilic Conversion of a Subset of Glycosyl-Phosphatidylinositol-Anchored Ectoproteins in Yeast. <i>Archives of Biochemistry and Biophysics</i> , 1995, 324, 300-316.	3.0	7
88	The molecular interaction of sulfonylureas with Î²-cell ATP-sensitive K+-channels. <i>Diabetes Research and Clinical Practice</i> , 1995, 28, S67-S80.	2.8	37
89	Extrapancreatic effects of sulfonylureas â” a comparison between glimepiride and conventional sulfonylureas. <i>Diabetes Research and Clinical Practice</i> , 1995, 28, S115-S137.	2.8	104
90	Differential interaction of glimepiride and glibenclamide with the Î²-cell sulfonylurea receptor I. Binding characteristics. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994, 1191, 267-277.	2.6	75

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91	Differential interaction of glimepiride and glibenclamide with the β -cell sulfonylurea receptor II. Photoaffinity labeling of a 65 kDa protein by [³ H]glimepiride. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994, 1191, 278-290.	2.6	58
92	Stimulation of glucose utilization in 3T3 adipocytes and rat diaphragm in vitro by the sulphonylureas, glimepiride and glibenclamide, is correlated with modulations of the cAMP regulatory cascade. <i>Biochemical Pharmacology</i> , 1994, 48, 985-996.	4.4	60
93	A yeast gene (BLH1) encodes a polypeptide with high homology to vertebrate bleomycin hydrolase, a family member of thiol proteinases. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1993, 1171, 299-303.	2.4	29
94	The Sulfonylurea Drug, Glimepiride, Stimulates Glucose Transport, Glucose Transporter Translocation, and Dephosphorylation in Insulin-Resistant Rat Adipocytes In Vitro. <i>Diabetes</i> , 1993, 42, 1852-1867.	0.6	107
95	Chapter 12 Consecutive steps of nucleoside triphosphate hydrolysis are driving transport of precursor proteins into the endoplasmic reticulum. <i>New Comprehensive Biochemistry</i> , 1992, 22, 137-146.	0.1	1
96	099 Efficient lipolytic cleavage of glycosyl-phosphatidylinositol-anchored membrane proteins. <i>Fresenius' Journal of Analytical Chemistry</i> , 1992, 343, 159-160.	1.5	0
97	100 Selective solubilization of glycosyl-phosphatidylinositol-anchored membrane proteins. <i>Fresenius' Journal of Analytical Chemistry</i> , 1992, 343, 160-162.	1.5	1
98	Two lipid-anchored cAMP-binding proteins in the yeast <i>Saccharomyces cerevisiae</i> are unrelated to the R subunit of cytoplasmic protein kinase A. <i>FEBS Journal</i> , 1991, 202, 299-308.	0.2	15
99	cAMP-Dependent Protein Kinase Activity in Yeast Mitochondria. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1987, 42, 1291-1302.	1.4	15
100	Protein phosphorylation in yeast mitochondria: cAMP-Dependence, submitochondrial localization and substrates of mitochondrial protein kinases. <i>Yeast</i> , 1987, 3, 161-174.	1.7	46