

# RÃ³bert Wagner

## List of Publications by Year in descending order

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Version: 2024-02-01

109  
papers

2,835  
citations

186265

28  
h-index

223800

46  
g-index

129  
all docs

129  
docs citations

129  
times ranked

4099  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pathophysiology-based subphenotyping of individuals at elevated risk for type 2 diabetes. <i>Nature Medicine</i> , 2021, 27, 49-57.	30.7	203
2	Bile Acids Acutely Stimulate Insulin Secretion of Mouse $\beta$ -Cells via Farnesoid X Receptor Activation and KATP Channel Inhibition. <i>Diabetes</i> , 2012, 61, 1479-1489.	0.6	145
3	Central Insulin Administration Improves Whole-Body Insulin Sensitivity via Hypothalamus and Parasympathetic Outputs in Men. <i>Diabetes</i> , 2014, 63, 4083-4088.	0.6	135
4	Metabolic crosstalk between fatty pancreas and fatty liver: effects on local inflammation and insulin secretion. <i>Diabetologia</i> , 2017, 60, 2240-2251.	6.3	100
5	Nasal insulin changes peripheral insulin sensitivity simultaneously with altered activity in homeostatic and reward-related human brain regions. <i>Diabetologia</i> , 2012, 55, 1773-1782.	6.3	94
6	Hypothalamic and Striatal Insulin Action Suppresses Endogenous Glucose Production and May Stimulate Glucose Uptake During Hyperinsulinemia in Lean but Not in Overweight Men. <i>Diabetes</i> , 2017, 66, 1797-1806.	0.6	87
7	Brain insulin sensitivity is linked to adiposity and body fat distribution. <i>Nature Communications</i> , 2020, 11, 1841.	12.8	81
8	“Best Practice” Skills Lab Training vs. a “see one, do one” Approach in Undergraduate Medical Education: An RCT on Students’ Long-Term Ability to Perform Procedural Clinical Skills. <i>PLoS ONE</i> , 2013, 8, e76354.	2.5	81
9	Exercise-induced albuminuria is associated with perivascular renal sinus fat in individuals at increased risk of type 2 diabetes. <i>Diabetologia</i> , 2012, 55, 2054-2058.	6.3	64
10	Family history of diabetes is associated with higher risk for prediabetes: a multicentre analysis from the German Center for Diabetes Research. <i>Diabetologia</i> , 2013, 56, 2176-2180.	6.3	64
11	Reevaluation of Fatty Acid Receptor 1 as a Drug Target for the Stimulation of Insulin Secretion in Humans. <i>Diabetes</i> , 2013, 62, 2106-2111.	0.6	64
12	A high-risk phenotype associates with reduced improvement in glycaemia during a lifestyle intervention in prediabetes. <i>Diabetologia</i> , 2015, 58, 2877-2884.	6.3	56
13	Glucose homeostasis is regulated by pancreatic $\beta$ -cell cilia via endosomal EphA-processing. <i>Nature Communications</i> , 2019, 10, 5686.	12.8	54
14	What role do fat cells play in pancreatic tissue?. <i>Molecular Metabolism</i> , 2019, 25, 1-10.	6.5	52
15	Age-dependent association of serum prolactin with glycaemia and insulin sensitivity in humans. <i>Acta Diabetologica</i> , 2014, 51, 71-78.	2.5	49
16	Genetic variation within the TRPM5 locus associates with prediabetic phenotypes in subjects at increased risk for type 2 diabetes. <i>Metabolism: Clinical and Experimental</i> , 2011, 60, 1325-1333.	3.4	47
17	Metabolic implications of pancreatic fat accumulation. <i>Nature Reviews Endocrinology</i> , 2022, 18, 43-54.	9.6	46
18	Student tutors for hands-on training in focused emergency echocardiography – a randomized controlled trial. <i>BMC Medical Education</i> , 2012, 12, 101.	2.4	45

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19	Empagliflozin Improves Insulin Sensitivity of the Hypothalamus in Humans With Prediabetes: A Randomized, Double-Blind, Placebo-Controlled, Phase 2 Trial. <i>Diabetes Care</i> , 2022, 45, 398-406.	8.6	43
20	The Expression of Aldolase B in Islets Is Negatively Associated With Insulin Secretion in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 4373-4383.	3.6	42
21	Insulin sensitivity predicts cognitive decline in individuals with prediabetes. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001741.	2.8	42
22	Soluble urokinase receptor (suPAR) predicts microalbuminuria in patients at risk for type 2 diabetes mellitus. <i>Scientific Reports</i> , 2017, 7, 40627.	3.3	40
23	Interaction between the obesity-risk gene FTO and the dopamine D2 receptor gene ANKK1/TaqIA on insulin sensitivity. <i>Diabetologia</i> , 2016, 59, 2622-2631.	6.3	39
24	Glucose-Raising Genetic Variants in MADD and ADCY5 Impair Conversion of Proinsulin to Insulin. <i>PLoS ONE</i> , 2011, 6, e23639.	2.5	38
25	Pancreatic Steatosis Associates With Impaired Insulin Secretion in Genetically Predisposed Individuals. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 3518-3525.	3.6	37
26	Different Effects of Lifestyle Intervention in High- and Low-Risk Prediabetes: Results of the Randomized Controlled Prediabetes Lifestyle Intervention Study (PLIS). <i>Diabetes</i> , 2021, 70, 2785-2795.	0.6	35
27	Norfluoxetine and fluoxetine have similar anticonvulsant and Ca <sup>2+</sup> channel blocking potencies. <i>Brain Research Bulletin</i> , 2005, 67, 126-132.	3.0	31
28	Elevated circulating follistatin associates with an increased risk of type 2 diabetes. <i>Nature Communications</i> , 2021, 12, 6486.	12.8	31
29	A novel insulin sensitivity index particularly suitable to measure insulin sensitivity during gestation. <i>Acta Diabetologica</i> , 2016, 53, 1037-1044.	2.5	30
30	Polymorphism rs3123554 in <i>CNR2</i> reveals gender-specific effects on body weight and affects loss of body weight and cerebral insulin action. <i>Obesity</i> , 2014, 22, 925-931.	3.0	29
31	Intra- and interindividual variability of fatty acid unsaturation in six different human adipose tissue compartments assessed by <sup>1</sup> H-MRS <i>in vivo</i> at 3ÅT. <i>NMR in Biomedicine</i> , 2017, 30, e3744.	2.8	29
32	Untangling the interplay of genetic and metabolic influences on beta-cell function: Examples of potential therapeutic implications involving TCF7L2 and FFAR1. <i>Molecular Metabolism</i> , 2014, 3, 261-267.	6.5	28
33	Hypothalamic insulin responsiveness is associated with pancreatic insulin secretion in humans. <i>Physiology and Behavior</i> , 2017, 176, 134-138.	2.1	27
34	Activation of Extracellular Signal-Regulated Protein Kinases 1 and 2 (ERK1/2) by Free Fatty Acid Receptor 1 (FFAR1/GPR40) Protects from Palmitate-Induced Beta Cell Death, but Plays no Role in Insulin Secretion. <i>Cellular Physiology and Biochemistry</i> , 2015, 35, 1537-1545.	1.6	26
35	Nonsuppressed Glucagon After Glucose Challenge as a Potential Predictor for Glucose Tolerance. <i>Diabetes</i> , 2017, 66, 1373-1379.	0.6	25
36	Genetic Variation in <i>NR1H4</i> Encoding the Bile Acid Receptor FXR Determines Fasting Glucose and Free Fatty Acid Levels in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E1224-E1229.	3.6	24

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37	Non-alcoholic fatty liver disease and impaired proinsulin conversion as newly identified predictors of the long-term non-response to a lifestyle intervention for diabetes prevention: results from the TULIP study. <i>Diabetologia</i> , 2017, 60, 2341-2351.	6.3	24
38	Insulin Action in the Hypothalamus Increases Second-Phase Insulin Secretion in Humans. <i>Neuroendocrinology</i> , 2020, 110, 929-937.	2.5	23
39	Urinary Neutrophil Gelatinase-Associated Lipocalin (NGAL) and proteinuria predict severity of acute kidney injury in Puumala virus infection. <i>BMC Infectious Diseases</i> , 2015, 15, 464.	2.9	22
40	Impact of end-stage renal disease on glucose metabolism—a matched cohort analysis. <i>Nephrology Dialysis Transplantation</i> , 2017, 32, 670-676.	0.7	22
41	Androgen receptor overexpression in prostate cancer in type 2 diabetes. <i>Molecular Metabolism</i> , 2018, 8, 158-166.	6.5	22
42	Allele Summation of Diabetes Risk Genes Predicts Impaired Glucose Tolerance in Female and Obese Individuals. <i>PLoS ONE</i> , 2012, 7, e38224.	2.5	20
43	The protective effect of human renal sinus fat on glomerular cells is reversed by the hepatokine fetuin-A. <i>Scientific Reports</i> , 2017, 7, 2261.	3.3	20
44	Cryobiopsy increases the EGFR detection rate in non-small cell lung cancer. <i>Lung Cancer</i> , 2020, 141, 56-63.	2.0	20
45	Fat Distribution Patterns and Future Type 2 Diabetes. <i>Diabetes</i> , 2022, 71, 1937-1945.	0.6	20
46	Ketoacidosis in a non-diabetic woman who was fasting during lactation. <i>Nutrition Journal</i> , 2015, 14, 117.	3.4	19
47	Higher prevalence of lymph node metastasis in prostate cancer in patients with diabetes. <i>Endocrine-Related Cancer</i> , 2018, 25, L19-L22.	3.1	19
48	cGMP-dependent protein kinase I (cGKI) modulates human hepatic stellate cell activation. <i>Metabolism: Clinical and Experimental</i> , 2018, 88, 22-30.	3.4	18
49	Plasma Concentrations of the Vasoactive Peptide Fragments Mid-Regional Pro-Adrenomedullin, C-Terminal Pro-Endothelin 1 and Copeptin in Hemodialysis Patients: Associated Factors and Prediction of Mortality. <i>PLoS ONE</i> , 2014, 9, e86148.	2.5	17
50	Clinical and non-targeted metabolomic profiling of homozygous carriers of Transcription Factor 7-like 2 variant rs7903146. <i>Scientific Reports</i> , 2014, 4, 5296.	3.3	17
51	Normalized Indices Derived from Visceral Adipose Mass Assessed by Magnetic Resonance Imaging and Their Correlation with Markers for Insulin Resistance and Prediabetes. <i>Nutrients</i> , 2020, 12, 2064.	4.1	17
52	Elevated Circulating Glutamate Is Associated With Subclinical Atherosclerosis Independently of Established Risk Markers: A Cross-Sectional Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e982-e989.	3.6	17
53	Dynamics of Glucose Metabolism After Kidney Transplantation. <i>Kidney and Blood Pressure Research</i> , 2017, 42, 598-607.	2.0	16
54	Dietary Niacin Intake Predicts the Decrease of Liver Fat Content During a Lifestyle Intervention. <i>Scientific Reports</i> , 2019, 9, 1303.	3.3	16

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55	Considering Insulin Secretory Capacity as Measured by a Fasting C-Peptide/Glucose Ratio in Selecting Glucose-Lowering Medications. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2022, 130, 200-204.	1.2	16
56	Genetic determination of body fat distribution and the attributive influence on metabolism. <i>Obesity</i> , 2017, 25, 1277-1283.	3.0	15
57	Cellular markers of eryptosis are altered in type 2 diabetes. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, e177-e180.	2.3	15
58	Potential effects of reduced red meat compared with increased fiber intake on glucose metabolism and liver fat content: a randomized and controlled dietary intervention study. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 288-296.	4.7	15
59	No modulation of postprandial metabolism by transcutaneous auricular vagus nerve stimulation: a cross-over study in 15 healthy men. <i>Scientific Reports</i> , 2020, 10, 20466.	3.3	15
60	Course of lactate, pH and base excess for prediction of mortality in medical intensive care patients. <i>PLoS ONE</i> , 2021, 16, e0261564.	2.5	15
61	Metabolomic Characteristics of Fatty Pancreas. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2020, 128, 804-810.	1.2	14
62	The hepatokine fetuin-A disrupts functional maturation of pancreatic beta cells. <i>Diabetologia</i> , 2021, 64, 1358-1374.	6.3	14
63	Prediction of Glucose Tolerance without an Oral Glucose Tolerance Test. <i>Frontiers in Endocrinology</i> , 2018, 9, 82.	3.5	13
64	Sex-Specific Associations of Testosterone With Metabolic Traits. <i>Frontiers in Endocrinology</i> , 2019, 10, 90.	3.5	13
65	DPP4 gene variation affects GLP-1 secretion, insulin secretion, and glucose tolerance in humans with high body adiposity. <i>PLoS ONE</i> , 2017, 12, e0181880.	2.5	12
66	Reproducibility and discrimination of different indices of insulin sensitivity and insulin secretion. <i>PLoS ONE</i> , 2021, 16, e0258476.	2.5	12
67	Routine Monitoring of Sodium and Phosphorus Removal in Peritoneal Dialysis (PD) Patients Treated with Continuous Ambulatory PD (CAPD), Automated PD (APD) or Combined CAPD+APD. <i>Kidney and Blood Pressure Research</i> , 2017, 42, 257-266.	2.0	11
68	Genetic variation in TCF7L2 rs7903146 and history of GDM negatively and independently impact on diabetes-associated metabolic traits. <i>Diabetes Research and Clinical Practice</i> , 2018, 146, 251-257.	2.8	11
69	Prepackaged central line kits reduce procedural mistakes during central line insertion: a randomized controlled prospective trial. <i>BMC Medical Education</i> , 2013, 13, 60.	2.4	10
70	Peroxisome proliferator-activated receptor gamma (PPARG) modulates free fatty acid receptor 1 (FFAR1) dependent insulin secretion in humans. <i>Molecular Metabolism</i> , 2014, 3, 676-680.	6.5	10
71	Common variation in the sodium/glucose cotransporter 2 gene SLC5A2 does neither affect fasting nor glucose-suppressed plasma glucagon concentrations. <i>PLoS ONE</i> , 2017, 12, e0177148.	2.5	10
72	Low-Density Lipoprotein Cholesterol Is Associated With Insulin Secretion. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 1576-1584.	3.6	10

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73	Pancreatic fat cells of humans with type 2 diabetes display reduced adipogenic and lipolytic activity. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 320, C1000-C1012.	4.6	10
74	Detection of diabetes from whole-body MRI using deep learning. <i>JCI Insight</i> , 2021, 6, .	5.0	10
75	Incretin Hypersecretion in Gestational Diabetes Mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e2425-e2430.	3.6	10
76	Intimal Protection of Bypass-Veins During Intraoperative Storage in Blood or Euro-Collins-Solution: The Role of Medium, Temperature, and Time. <i>Thoracic and Cardiovascular Surgeon</i> , 1990, 38, 151-156.	1.0	9
77	Hemostatic alterations linked to body fat distribution, fatty liver, and insulin resistance. <i>Molecular Metabolism</i> , 2021, 53, 101262.	6.5	9
78	Polymorphism rs11085226 in the Gene Encoding Polypyrimidine Tract-Binding Protein 1 Negatively Affects Glucose-Stimulated Insulin Secretion. <i>PLoS ONE</i> , 2012, 7, e46154.	2.5	8
79	The genetic influence on body fat distribution. <i>Drug Discovery Today Disease Mechanisms</i> , 2013, 10, e5-e13.	0.8	8
80	Glucose Measurements at Various Time Points During the OGTT and Their Role in Capturing Glucose Response Patterns. <i>Diabetes Care</i> , 2019, 42, e56-e57.	8.6	8
81	Short-Term Variability of Proton Density Fat Fraction in Pancreas and Liver Assessed by Multiecho Chemical-Shift Encoding-Based <sc>MRI</sc> at 3Ä. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 1018-1026.	3.4	8
82	Response to Comment on Heni et al. Central Insulin Administration Improves Whole-Body Insulin Sensitivity via Hypothalamus and Parasympathetic Outputs in Men. <i>Diabetes</i> 2014;63:4083â€“4088. <i>Diabetes</i> , 2015, 64, e8-e9.	0.6	7
83	Ibuprofen or diclofenac is associated with more severe acute kidney injury in nephropathia epidemica. <i>Scandinavian Journal of Urology and Nephrology</i> , 2012, 46, 65-69.	1.4	6
84	A new functional method to choose the target lobe for lung volume reduction in emphysema &ndash; comparison with the conventional densitometric method. <i>International Journal of COPD</i> , 2017, Volume 12, 2621-2628.	2.3	6
85	Reduced insulin clearance is linked to subclinical atherosclerosis in individuals at risk for type 2 diabetes mellitus. <i>Scientific Reports</i> , 2020, 10, 22453.	3.3	6
86	Insulin Resistant Phenotype of Polycystic Ovary Syndrome does not Seem to be Caused by Variation in FTO. <i>Hormone and Metabolic Research</i> , 2012, 44, 810-813.	1.5	5
87	Effect of Supervised Students' Involvement on Diagnostic Accuracy in Hospitalized Medical Patients â€” A Prospective Controlled Study. <i>PLoS ONE</i> , 2012, 7, e44866.	2.5	5
88	Excessive fuel availability amplifies the FTO-mediated obesity risk: results from the TUEF and Whitehall II studies. <i>Scientific Reports</i> , 2017, 7, 15486.	3.3	5
89	Gene x Gene Interactions Highlight the Role of Incretin Resistance for Insulin Secretion. <i>Frontiers in Endocrinology</i> , 2019, 10, 72.	3.5	5
90	The German Gestational Diabetes Study (PREG), a prospective multicentre cohort study: rationale, methodology and design. <i>BMJ Open</i> , 2022, 12, e058268.	1.9	5

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91	Jaundice From Diabetes Therapy. <i>Diabetes Care</i> , 2014, 37, e57-e58.	8.6	4
92	Characterization of Hormone-Dependent Pathways in Six Human Prostate-Cancer Cell Lines: A Gene-Expression Study. <i>Genes</i> , 2020, 11, 1174.	2.4	4
93	Free fatty acids, glicentin and glucose-dependent insulinotropic polypeptide as potential major determinants of fasting substrate oxidation. <i>Scientific Reports</i> , 2021, 11, 16642.	3.3	4
94	Slow deep breathing modulates cardiac vagal activity but does not affect peripheral glucose metabolism in healthy men. <i>Scientific Reports</i> , 2021, 11, 20306.	3.3	4
95	Eight weeks of empagliflozin does not affect pancreatic fat content and insulin secretion in people with prediabetes. <i>Diabetes, Obesity and Metabolism</i> , 2022, 24, 1661-1666.	4.4	4
96	Problem-Based Training Improves Recognition of Patient Hazards by Advanced Medical Students during Chart Review: A Randomized Controlled Crossover Study. <i>PLoS ONE</i> , 2014, 9, e89198.	2.5	3
97	Single Nucleotide Polymorphisms in the G-Protein Coupled Receptor Kinase 5 (GRK5) Gene are associated with Plasma LDL-Cholesterol Levels in Humans. <i>Scientific Reports</i> , 2018, 8, 7745.	3.3	3
98	Clerkships do not improve recognition of patient hazards by advanced medical students during chart review. <i>Medical Teacher</i> , 2012, 34, 1087-1087.	1.8	2
99	Determinants of hepatic insulin clearance â€œ Results from a Mendelian Randomization study. <i>Metabolism: Clinical and Experimental</i> , 2021, 119, 154776.	3.4	2
100	150-OR: Brain Insulin Sensitivity Is Modulated by Menstrual Cycle. <i>Diabetes</i> , 2020, 69, 150-OR.	0.6	1
101	102-OR: Detection of Diabetes from Whole-Body Magnetic Resonance Imaging Using Deep Learning. <i>Diabetes</i> , 2020, 69, 102-OR.	0.6	1
102	Titelbild: Patient mit primÄrer Myelofibrose - ExtramedullÄre HÄmatopoese in Nierenbeckenkelchsystem und Ureteren Fallbericht. <i>Ultraschall in Der Medizin</i> , 2009, 30, 323-326.	1.5	0
103	The TUDID Study â€œ Background and Design of a Prospective Cohort. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2020, , .	1.2	0
104	A reply to â€œA modern approach to Advanced Non-Small Cell Lung Cancer: Minimally-invasive procedures and in parallel multiple DNA/RNA high-throughput sequencingâ€œ. <i>Lung Cancer</i> , 2020, 146, 389-390.	2.0	0
105	Insulinwirkung im Gehirn stimuliert die Insulinsekretion â€œ Ergebnisse aus hyperglykÄmischen Clamps. , 2018, 13, .		0
106	148-OR: Empagliflozin Improves Insulin Sensitivity of the Hypothalamus in Humans with Prediabetes. <i>Diabetes</i> , 2020, 69, 148-OR.	0.6	0
107	Klassifizierung von OGTT-GlukoseverlÄufen wÄhrend Schwangerschaft und Assoziation mit Makrosomie-Risiko.. <i>Diabetologie Und Stoffwechsel</i> , 2022, , .	0.0	0
108	Cluster des PrÄdiabetes und Typ-2-Diabetes stratifizieren die GesamtmortalitÄt bei kardiovaskulÄren Hochrisiko-Patienten â€œ Ergebnisse aus der LURIC-Kohorte. <i>Diabetologie Und Stoffwechsel</i> , 2022, , .	0.0	0

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109	Postprandial Dynamics of Proglucagon Cleavage Products and Their Relation to Metabolic Health. Frontiers in Endocrinology, 0, 13, .	3.5	0