

# Thomas R Pieber

## List of Publications by Citations

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310  
papers

14,217  
citations

64  
h-index

109  
g-index

325  
ext. papers

16,877  
ext. citations

7  
avg, IF

6.2  
L-index

#	Paper	IF	Citations
310	Nonlinear model predictive control of glucose concentration in subjects with type 1 diabetes. <i>Physiological Measurement</i> , <b>2004</b> , 25, 905-20	2.9	792
309	Cardioprotection and lifespan extension by the natural polyamine spermidine. <i>Nature Medicine</i> , <b>2016</b> , 22, 1428-1438	50.5	532
308	Vitamin D and immune function. <i>Nutrients</i> , <b>2013</b> , 5, 2502-21	6.7	507
307	Efficacy and Safety of Degludec versus Glargine in Type 2 Diabetes. <i>New England Journal of Medicine</i> , <b>2017</b> , 377, 723-732	59.2	349
306	Regulation of autophagy by cytosolic acetyl-coenzyme A. <i>Molecular Cell</i> , <b>2014</b> , 53, 710-25	17.6	331
305	Shift to Fatty Substrate Utilization in Response to Sodium-Glucose Cotransporter 2 Inhibition in Subjects Without Diabetes and Patients With Type 2 Diabetes. <i>Diabetes</i> , <b>2016</b> , 65, 1190-5	0.9	327
304	Home Use of an Artificial Beta Cell in Type 1 Diabetes. <i>New England Journal of Medicine</i> , <b>2015</b> , 373, 2129-31	51.40	325
303	Effect of high-dose vitamin D3 on hospital length of stay in critically ill patients with vitamin D deficiency: the VITdAL-ICU randomized clinical trial. <i>JAMA - Journal of the American Medical Association</i> , <b>2014</b> , 312, 1520-30	27.4	281
302	Vitamin D status and arterial hypertension: a systematic review. <i>Nature Reviews Cardiology</i> , <b>2009</b> , 6, 621-30	30.8	276
301	A double-blind, randomized, dose-response study investigating the pharmacodynamic and pharmacokinetic properties of the long-acting insulin analog detemir. <i>Diabetes Care</i> , <b>2005</b> , 28, 1107-12	14.6	220
300	Restoring polyamines protects from age-induced memory impairment in an autophagy-dependent manner. <i>Nature Neuroscience</i> , <b>2013</b> , 16, 1453-60	25.5	216
299	Effect of Oral Semaglutide Compared With Placebo and Subcutaneous Semaglutide on Glycemic Control in Patients With Type 2 Diabetes: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , <b>2017</b> , 318, 1460-1470	27.4	211
298	Sclerostin and its association with physical activity, age, gender, body composition, and bone mineral content in healthy adults. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2012</b> , 97, 148-54	5.6	195
297	Long-acting insulin analogues versus NPH insulin (human isophane insulin) for type 2 diabetes mellitus. <i>The Cochrane Library</i> , <b>2007</b> , CD005613	5.2	195
296	Alterations in the ankyrin domain of TRPV4 cause congenital distal SMA, scapuloperoneal SMA and HMSN2C. <i>Nature Genetics</i> , <b>2010</b> , 42, 160-4	36.3	191
295	Nucleocytosolic depletion of the energy metabolite acetyl-coenzyme a stimulates autophagy and prolongs lifespan. <i>Cell Metabolism</i> , <b>2014</b> , 19, 431-44	24.6	189
294	IPO: a tool for automated optimization of XCMS parameters. <i>BMC Bioinformatics</i> , <b>2015</b> , 16, 118	3.6	175

293	Insulin kinetics in type-I diabetes: continuous and bolus delivery of rapid acting insulin. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2005</b> , 52, 3-12	5	171
292	Multicentric, randomized, controlled trial to evaluate blood glucose control by the model predictive control algorithm versus routine glucose management protocols in intensive care unit patients. <i>Diabetes Care</i> , <b>2006</b> , 29, 271-6	14.6	165
291	Women underrepresented on editorial boards of 60 major medical journals. <i>Gender Medicine</i> , <b>2011</b> , 8, 378-87		163
290	Vitamin D, cardiovascular disease and mortality. <i>Clinical Endocrinology</i> , <b>2011</b> , 75, 575-84	3.4	157
289	Effects of high doses of vitamin D3 on mucosa-associated gut microbiome vary between regions of the human gastrointestinal tract. <i>European Journal of Nutrition</i> , <b>2016</b> , 55, 1479-89	5.2	138
288	International Consensus on Risk Management of Diabetic Ketoacidosis in Patients With Type 1 Diabetes Treated With Sodium-Glucose Cotransporter (SGLT) Inhibitors. <i>Diabetes Care</i> , <b>2019</b> , 42, 1147-1154	14.6	138
287	Vitamin D-associated polymorphisms are related to insulin resistance and vitamin D deficiency in polycystic ovary syndrome. <i>European Journal of Endocrinology</i> , <b>2011</b> , 164, 741-9	6.5	138
286	Alterations in Gut Microbiome Composition and Barrier Function Are Associated with Reproductive and Metabolic Defects in Women with Polycystic Ovary Syndrome (PCOS): A Pilot Study. <i>PLoS ONE</i> , <b>2017</b> , 12, e0168390	3.7	134
285	Alternate Day Fasting Improves Physiological and Molecular Markers of Aging in Healthy, Non-obese Humans. <i>Cell Metabolism</i> , <b>2019</b> , 30, 462-476.e6	24.6	131
284	Mutations in BICD2 cause dominant congenital spinal muscular atrophy and hereditary spastic paraplegia. <i>American Journal of Human Genetics</i> , <b>2013</b> , 92, 965-73	11	131
283	Evaluation of a structured outpatient group education program for intensive insulin therapy. <i>Diabetes Care</i> , <b>1995</b> , 18, 625-30	14.6	127
282	Empagliflozin as adjunct to insulin in patients with type 1 diabetes: a 4-week, randomized, placebo-controlled trial (EASE-1). <i>Diabetes, Obesity and Metabolism</i> , <b>2015</b> , 17, 928-35	6.7	123
281	Closing the loop: the adicol experience. <i>Diabetes Technology and Therapeutics</i> , <b>2004</b> , 6, 307-18	8.1	116
280	A direct comparison of insulin aspart and insulin lispro in patients with type 1 diabetes. <i>Diabetes Care</i> , <b>2002</b> , 25, 2053-7	14.6	111
279	A Pooled Analysis of Clinical Pharmacology Trials Investigating the Pharmacokinetic and Pharmacodynamic Characteristics of Fast-Acting Insulin Aspart in Adults with Type 1 Diabetes. <i>Clinical Pharmacokinetics</i> , <b>2017</b> , 56, 551-559	6.2	106
278	Efficacy and safety of oral semaglutide with flexible dose adjustment versus sitagliptin in type 2 diabetes (PIONEER 7): a multicentre, open-label, randomised, phase 3a trial. <i>Lancet Diabetes and Endocrinology</i> , <b>2019</b> , 7, 528-539	18.1	105
277	Day and night home closed-loop insulin delivery in adults with type 1 diabetes: three-center randomized crossover study. <i>Diabetes Care</i> , <b>2014</b> , 37, 1931-7	14.6	105
276	Characterization of the microbiome of nipple aspirate fluid of breast cancer survivors. <i>Scientific Reports</i> , <b>2016</b> , 6, 28061	4.9	103

275	Targeted high-throughput sequencing identifies mutations in atlastin-1 as a cause of hereditary sensory neuropathy type I. <i>American Journal of Human Genetics</i> , <b>2011</b> , 88, 99-105	11	103
274	Day-to-day fasting glycaemic variability in DEVOTE: associations with severe hypoglycaemia and cardiovascular outcomes (DEVOTE 2). <i>Diabetologia</i> , <b>2018</b> , 61, 48-57	10.3	101
273	Systematic review and meta-analysis of short-acting insulin analogues in patients with diabetes mellitus. <i>Archives of Internal Medicine</i> , <b>2005</b> , 165, 1337-44		101
272	Measurement of interstitial albumin in human skeletal muscle and adipose tissue by open-flow microperfusion. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2000</b> , 278, E352-6	6	100
271	DEVOTE 3: temporal relationships between severe hypoglycaemia, cardiovascular outcomes and mortality. <i>Diabetologia</i> , <b>2018</b> , 61, 58-65	10.3	98
270	Efficacy and Safety of Liraglutide Added to Capped Insulin Treatment in Subjects With Type 1 Diabetes: The ADJUNCT TWO Randomized Trial. <i>Diabetes Care</i> , <b>2016</b> , 39, 1693-701	14.6	98
269	Short acting insulin analogues versus regular human insulin in patients with diabetes mellitus. <i>The Cochrane Library</i> , <b>2006</b> , CD003287	5.2	94
268	Day-and-night glycaemic control with closed-loop insulin delivery versus conventional insulin pump therapy in free-living adults with well controlled type 1 diabetes: an open-label, randomised, crossover study. <i>Lancet Diabetes and Endocrinology</i> , <b>2017</b> , 5, 261-270	18.1	93
267	Aldosterone and parathyroid hormone: a precarious couple for cardiovascular disease. <i>Cardiovascular Research</i> , <b>2012</b> , 94, 10-9	9.9	93
266	Aldosterone and arterial hypertension. <i>Nature Reviews Endocrinology</i> , <b>2010</b> , 6, 83-93	15.2	93
265	Cytotoxicity of nanoparticles independent from oxidative stress. <i>Journal of Toxicological Sciences</i> , <b>2009</b> , 34, 363-75	1.9	88
264	Comparison of two in vitro systems to assess cellular effects of nanoparticles-containing aerosols. <i>Toxicology in Vitro</i> , <b>2013</b> , 27, 409-17	3.6	87
263	Size-dependent effects of nanoparticles on the activity of cytochrome P450 isoenzymes. <i>Toxicology and Applied Pharmacology</i> , <b>2010</b> , 242, 326-32	4.6	85
262	Evaluation of subcutaneous glucose monitoring systems under routine environmental conditions in patients with type 1 diabetes. <i>Diabetes, Obesity and Metabolism</i> , <b>2017</b> , 19, 1051-1055	6.7	81
261	Association of 25-hydroxyvitamin D levels with liver dysfunction and mortality in chronic liver disease. <i>Liver International</i> , <b>2012</b> , 32, 845-51	7.9	81
260	The effect of vitamin D supplementation on peripheral regulatory T cells and T cell function in healthy humans: a randomized controlled trial. <i>Diabetes/Metabolism Research and Reviews</i> , <b>2011</b> , 27, 942-5	7.5	81
259	Evidence for a U-shaped relationship between prehospital vitamin D status and mortality: a cohort study. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2014</b> , 99, 1461-9	5.6	80
258	Vitamin D and cardiovascular disease. <i>Nutrients</i> , <b>2013</b> , 5, 3005-21	6.7	80

257	Hyperparathyroidism in patients with primary aldosteronism: cross-sectional and interventional data from the GEOH study. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2012</b> , 97, E75-9	5.6	80
256	Vitamin D supplementation and regulatory T cells in apparently healthy subjects: vitamin D treatment for autoimmune diseases?. <i>Israel Medical Association Journal</i> , <b>2010</b> , 12, 136-9	0.9	80
255	Tight glycaemic control by an automated algorithm with time-variant sampling in medical ICU patients. <i>Intensive Care Medicine</i> , <b>2008</b> , 34, 1224-30	14.5	79
254	The endocrine role of the skeleton: background and clinical evidence. <i>European Journal of Endocrinology</i> , <b>2012</b> , 166, 959-67	6.5	72
253	Enhanced doxorubicin delivery to the brain administered through glutathione PEGylated liposomal doxorubicin (2B3-101) as compared with generic Caelyx, (□)/Doxil(□)--a cerebral open flow microperfusion pilot study. <i>Journal of Pharmaceutical Sciences</i> , <b>2014</b> , 103, 1945-1948	3.9	70
252	A comparison of the steady-state pharmacokinetic and pharmacodynamic profiles of 100 and 200 U/mL formulations of ultra-long-acting insulin degludec. <i>Clinical Drug Investigation</i> , <b>2013</b> , 33, 515-21	3.2	68
251	Action of polystyrene nanoparticles of different sizes on lysosomal function and integrity. <i>Particle and Fibre Toxicology</i> , <b>2012</b> , 9, 26	8.4	68
250	Closing the Loop in Adults, Children and Adolescents With Suboptimally Controlled Type 1 Diabetes Under Free Living Conditions: A Psychosocial Substudy. <i>Journal of Diabetes Science and Technology</i> , <b>2017</b> , 11, 1080-1088	4.1	66
249	Evaluation of the impact of chiropodist care in the secondary prevention of foot ulcerations in diabetic subjects. <i>Diabetes Care</i> , <b>2003</b> , 26, 1691-5	14.6	65
248	Effects of High-Intensity Interval Exercise versus Moderate Continuous Exercise on Glucose Homeostasis and Hormone Response in Patients with Type 1 Diabetes Mellitus Using Novel Ultra-Long-Acting Insulin. <i>PLoS ONE</i> , <b>2015</b> , 10, e0136489	3.7	65
247	Exome sequencing identifies a REEP1 mutation involved in distal hereditary motor neuropathy type V. <i>American Journal of Human Genetics</i> , <b>2012</b> , 91, 139-45	11	64
246	The flavonoid 4,4'-dimethoxychalcone promotes autophagy-dependent longevity across species. <i>Nature Communications</i> , <b>2019</b> , 10, 651	17.4	62
245	Adipose tissue, inflammation and cardiovascular disease. <i>Revista Da Associação Médica Brasileira</i> , <b>2010</b> , 56, 116-21	1.4	61
244	Epidemiology of vitamin D insufficiency and cancer mortality. <i>Anticancer Research</i> , <b>2009</b> , 29, 3699-704	2.3	61
243	Safety and tolerability of spermidine supplementation in mice and older adults with subjective cognitive decline. <i>Aging</i> , <b>2018</b> , 10, 19-33	5.6	60
242	Accuracy and reliability of continuous glucose monitoring systems: a head-to-head comparison. <i>Diabetes Technology and Therapeutics</i> , <b>2013</b> , 15, 722-7	8.1	59
241	Cholecalciferol supplementation improves suppressive capacity of regulatory T-cells in young patients with new-onset type 1 diabetes mellitus - A randomized clinical trial. <i>Clinical Immunology</i> , <b>2015</b> , 161, 217-24	9	55
240	Further evidence for genetic heterogeneity of distal HMN type V, CMT2 with predominant hand involvement and Silver syndrome. <i>Journal of the Neurological Sciences</i> , <b>2007</b> , 263, 100-6	3.2	54

239	LC/MS/MS method for quantitative determination of long-chain fatty acyl-CoAs. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 2889-94	7.8	54
238	Association of FTO gene with hyperandrogenemia and metabolic parameters in women with polycystic ovary syndrome. <i>Metabolism: Clinical and Experimental</i> , <b>2010</b> , 59, 575-80	12.7	53
237	Fibulin-5 mutations link inherited neuropathies, age-related macular degeneration and hyperelastic skin. <i>Brain</i> , <b>2011</b> , 134, 1839-52	11.2	51
236	Design of DEVOTE (Trial Comparing Cardiovascular Safety of Insulin Degludec vs Insulin Glargine in Patients With Type 2 Diabetes at High Risk of Cardiovascular Events) - DEVOTE 1. <i>American Heart Journal</i> , <b>2016</b> , 179, 175-83	4.9	51
235	Polyamines in biological samples: rapid and robust quantification by solid-phase extraction online-coupled to liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , <b>2014</b> , 1331, 44-51	4.5	50
234	The lipid accumulation product is associated with impaired glucose tolerance in PCOS women. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2011</b> , 96, E986-90	5.6	49
233	Comparative evaluation of three assay systems for automated determination of hemoglobin A1c. <i>Clinical Chemistry</i> , <b>1997</b> , 43, 511-517	5.5	48
232	High-dose cholecalciferol supplementation significantly increases peripheral CD4+ Tregs in healthy adults without negatively affecting the frequency of other immune cells. <i>European Journal of Nutrition</i> , <b>2014</b> , 53, 751-9	5.2	46
231	Recent advances in hereditary sensory and autonomic neuropathies. <i>Current Opinion in Neurology</i> , <b>2006</b> , 19, 474-80	7.1	45
230	Dietary spermidine for lowering high blood pressure. <i>Autophagy</i> , <b>2017</b> , 13, 767-769	10.2	44
229	Open Flow Microperfusion as a Dermal Pharmacokinetic Approach to Evaluate Topical Bioequivalence. <i>Clinical Pharmacokinetics</i> , <b>2017</b> , 56, 91-98	6.2	44
228	Assessment of blood-brain barrier function and the neuroinflammatory response in the rat brain by using cerebral open flow microperfusion (cOFM). <i>PLoS ONE</i> , <b>2014</b> , 9, e98143	3.7	44
227	Cytotoxicity of nanoparticles is influenced by size, proliferation and embryonic origin of the cells used for testing. <i>Nanotoxicology</i> , <b>2012</b> , 6, 424-39	5.3	42
226	Validated comprehensive analytical method for quantification of coenzyme A activated compounds in biological tissues by online solid-phase extraction LC/MS/MS. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 5736-42	7.8	42
225	Measurement of interstitial insulin in human adipose and muscle tissue under moderate hyperinsulinemia by means of direct interstitial access. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2005</b> , 289, E296-300	6	42
224	Accumulation of Basic Amino Acids at Mitochondria Dictates the Cytotoxicity of Aberrant Ubiquitin. <i>Cell Reports</i> , <b>2015</b> , 10, 1557-1571	10.6	41
223	Fatty liver index in polycystic ovary syndrome. <i>European Journal of Endocrinology</i> , <b>2011</b> , 165, 935-43	6.5	40
222	Subcutaneous adipose tissue exerts proinflammatory cytokines after minimal trauma in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 293, E690-6	6	39



221	Accuracy of Continuous Glucose Monitoring (CGM) during Continuous and High-Intensity Interval Exercise in Patients with Type 1 Diabetes Mellitus. <i>Nutrients</i> , <b>2016</b> , 8,	6.7	39
220	Glucose Exposure and Variability with Empagliflozin as Adjunct to Insulin in Patients with Type 1 Diabetes: Continuous Glucose Monitoring Data from a 4-Week, Randomized, Placebo-Controlled Trial (EASE-1). <i>Diabetes Technology and Therapeutics</i> , <b>2017</b> , 19, 49-60	8.1	38
219	Risk of hypoglycaemia with insulin degludec versus insulin glargine U300 in insulin-treated patients with type 2 diabetes: the randomised, head-to-head CONCLUDE trial. <i>Diabetologia</i> , <b>2020</b> , 63, 698-710	10.3	38
218	Clinical evaluation of alternative-site glucose measurements in patients after major cardiac surgery. <i>Diabetes Care</i> , <b>2006</b> , 29, 1275-81	14.6	38
217	An Untargeted Metabolomics Approach to Characterize Short-Term and Long-Term Metabolic Changes after Bariatric Surgery. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161425	3.7	38
216	Subcutaneous adipose tissue topography and metabolic disturbances in polycystic ovary syndrome. <i>Wiener Klinische Wochenschrift</i> , <b>2009</b> , 121, 262-9	2.3	37
215	Measurement of subcutaneous adipose tissue topography (SAT-Top) by means of a new optical device, LIPOMETER, and the evaluation of standard factor coefficients in healthy subjects. <i>American Journal of Human Biology</i> , <b>2000</b> , 12, 231-239	2.7	37
214	Young Children Have Higher Variability of Insulin Requirements: Observations During Hybrid Closed-Loop Insulin Delivery. <i>Diabetes Care</i> , <b>2019</b> , 42, 1344-1347	14.6	36
213	Variability of Insulin Requirements Over 12 Weeks of Closed-Loop Insulin Delivery in Adults With Type 1 Diabetes. <i>Diabetes Care</i> , <b>2016</b> , 39, 830-2	14.6	36
212	Ring-opening metathesis polymerization-derived monolithic capillary columns for high-performance liquid chromatography. Downscaling and application in medical research. <i>Journal of Chromatography A</i> , <b>2008</b> , 1191, 274-81	4.5	36
211	Evaluation of ring-opening metathesis polymerization (ROMP)-derived monolithic capillary high performance liquid chromatography columns. <i>Journal of Chromatography A</i> , <b>2005</b> , 1090, 81-9	4.5	36
210	Dermal PK/PD of a lipophilic topical drug in psoriatic patients by continuous intradermal membrane-free sampling. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2012</b> , 81, 635-41	5.7	35
209	Attitudes towards insulin pump therapy among adolescents and young people. <i>Diabetes Technology and Therapeutics</i> , <b>2010</b> , 12, 89-94	8.1	35
208	Fiber-optic flow-through sensor for online monitoring of glucose. <i>Analytical and Bioanalytical Chemistry</i> , <b>2006</b> , 386, 1293-302	4.4	35
207	Mechanisms in endocrinology: thyroid and polycystic ovary syndrome. <i>European Journal of Endocrinology</i> , <b>2015</b> , 172, R9-21	6.5	34
206	A 26-Week Randomized Controlled Trial of Semaglutide Once Daily Versus Liraglutide and Placebo in Patients With Type 2 Diabetes Suboptimally Controlled on Diet and Exercise With or Without Metformin. <i>Diabetes Care</i> , <b>2018</b> , 41, 1926-1937	14.6	34
205	Acetyl-coenzyme A: a metabolic master regulator of autophagy and longevity. <i>Autophagy</i> , <b>2014</b> , 10, 1335-7.2	3.2	34
204	Vitamin D and mortality: a Mendelian randomization study. <i>Clinical Chemistry</i> , <b>2013</b> , 59, 793-7	5.5	34

203	Assessment of transcapillary glucose exchange in human skeletal muscle and adipose tissue. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2003</b> , 285, E241-51	6	34
202	Lactobacillus casei Shirota Supplementation Does Not Restore Gut Microbiota Composition and Gut Barrier in Metabolic Syndrome: A Randomized Pilot Study. <i>PLoS ONE</i> , <b>2015</b> , 10, e0141399	3.7	33
201	Poly(cyclooctene)-based monolithic columns for capillary high performance liquid chromatography prepared via ring-opening metathesis polymerization. <i>Journal of Chromatography A</i> , <b>2006</b> , 1132, 124-31	4.5	33
200	Complete and partial agenesis of the dorsal pancreas within one family. <i>Gastrointestinal Endoscopy</i> , <b>1995</b> , 42, 485-7	5.2	32
199	Effects of Vitamin D Supplementation on Bone Turnover Markers: A Randomized Controlled Trial. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	30
198	Estimating percentage total body fat and determining subcutaneous adipose tissue distribution with a new noninvasive optical device LIPOMETER. <i>American Journal of Human Biology</i> , <b>2000</b> , 12, 221-230	2.7	30
197	Effects of vitamin D supplementation on metabolic and endocrine parameters in PCOS: a randomized-controlled trial. <i>European Journal of Nutrition</i> , <b>2019</b> , 58, 2019-2028	5.2	28
196	Counter-regulatory hormone responses to hypoglycaemia in people with type 1 diabetes after 4 weeks of treatment with liraglutide adjunct to insulin: a randomized, placebo-controlled, double-blind, crossover trial. <i>Diabetes, Obesity and Metabolism</i> , <b>2015</b> , 17, 742-50	6.7	27
195	Accuracy of Continuous Glucose Monitoring During Three Closed-Loop Home Studies Under Free-Living Conditions. <i>Diabetes Technology and Therapeutics</i> , <b>2015</b> , 17, 801-7	8.1	27
194	Mutations at Ser331 in the HSN type I gene SPTLC1 are associated with a distinct syndromic phenotype. <i>European Journal of Medical Genetics</i> , <b>2013</b> , 56, 266-9	2.6	27
193	Standardized Glycemic Management with a Computerized Workflow and Decision Support System for Hospitalized Patients with Type 2 Diabetes on Different Wards. <i>Diabetes Technology and Therapeutics</i> , <b>2015</b> , 17, 685-92	8.1	27
192	Cerebral open flow microperfusion: a new in vivo technique for continuous measurement of substance transport across the intact blood-brain barrier. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2013</b> , 40, 864-71	3	27
191	Apheresis affects bone and mineral metabolism. <i>Bone</i> , <b>2010</b> , 46, 789-95	4.7	27
190	Use of complementary and alternative medicine supplements in patients with diabetes mellitus. <i>Annals of Nutrition and Metabolism</i> , <b>2011</b> , 58, 101-8	4.5	27
189	Comparison of the effects of three insulinotropic drugs on plasma insulin levels after a standard meal. <i>Diabetes Care</i> , <b>2002</b> , 25, 1271-6	14.6	27
188	Vitamin D supplementation and lipoprotein metabolism: A randomized controlled trial. <i>Journal of Clinical Lipidology</i> , <b>2018</b> , 12, 588-596.e4	4.9	26
187	Differences of subcutaneous adipose tissue topography in type-2 diabetic (NIDDM) women and healthy controls. <i>American Journal of Physical Anthropology</i> , <b>2000</b> , 113, 381-8	2.5	26
186	Anti-interleukin-21 antibody and liraglutide for the preservation of $\beta$ cell function in adults with recent-onset type 1 diabetes: a randomised, double-blind, placebo-controlled, phase 2 trial. <i>Lancet Diabetes and Endocrinology</i> , <b>2021</b> , 9, 212-224	18.1	26



185	Short-acting insulin analogues versus regular human insulin for adults with type 1 diabetes mellitus. <i>The Cochrane Library</i> , <b>2016</b> , CD012161	5.2	25
184	In vivo evaluation of a chip based near infrared sensor for continuous glucose monitoring. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 53, 99-104	11.8	25
183	Efficacy and safety of glucose control with Space GlucoseControl in the medical intensive care unit--an open clinical investigation. <i>Diabetes Technology and Therapeutics</i> , <b>2012</b> , 14, 690-5	8.1	25
182	Dietary spermidine improves cognitive function. <i>Cell Reports</i> , <b>2021</b> , 35, 108985	10.6	25
181	Opposing roles of prostaglandin D2 receptors in ulcerative colitis. <i>Journal of Immunology</i> , <b>2014</b> , 193, 827-39	5.3	24
180	Ultra-long pharmacokinetic properties of insulin degludec are comparable in elderly subjects and younger adults with type 1 diabetes mellitus. <i>Drugs and Aging</i> , <b>2014</b> , 31, 47-53	4.7	24
179	Insulin degludec is not associated with a delayed or diminished response to hypoglycaemia compared with insulin glargine in type 1 diabetes: a double-blind randomised crossover study. <i>Diabetologia</i> , <b>2014</b> , 57, 40-9	10.3	23
178	Greater early postprandial suppression of endogenous glucose production and higher initial glucose disappearance is achieved with fast-acting insulin aspart compared with insulin aspart. <i>Diabetes, Obesity and Metabolism</i> , <b>2018</b> , 20, 1615-1622	6.7	22
177	Use of the site of subcutaneous insulin administration for the measurement of glucose in patients with type 1 diabetes. <i>Diabetes Care</i> , <b>2010</b> , 33, 595-601	14.6	22
176	Ring-opening metathesis polymerization for the preparation of norbornene-based weak cation-exchange monolithic capillary columns. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 2651-7	4.5	22
175	Enantioseparation of glycyL-dipeptides by CEC using particle-loaded monoliths prepared by ring-opening metathesis polymerization (ROMP). <i>Journal of Proteomics</i> , <b>2006</b> , 69, 67-77		22
174	Interstitial glucose kinetics in subjects with type 1 diabetes under physiologic conditions. <i>Metabolism: Clinical and Experimental</i> , <b>2004</b> , 53, 1484-91	12.7	22
173	Pressor and mesenteric arterial hyporesponsiveness to angiotensin II is an early event in haemorrhagic hypotension in anaesthetised rats. <i>Cardiovascular Research</i> , <b>1999</b> , 44, 166-75	9.9	22
172	Taking a Closer Look--Continuous Glucose Monitoring in Non-Critically Ill Hospitalized Patients with Type 2 Diabetes Mellitus Under Basal-Bolus Insulin Therapy. <i>Diabetes Technology and Therapeutics</i> , <b>2015</b> , 17, 611-8	8.1	21
171	A model to analyse costs and benefit of intensified diabetic foot care in Austria. <i>Journal of Evaluation in Clinical Practice</i> , <b>2007</b> , 13, 906-12	2.5	21
170	Effects of Vitamin D Supplementation on IGF-1 and Calcitriol: A Randomized-Controlled Trial. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	20
169	Robust PBPK/PD-Based Model Predictive Control of Blood Glucose. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2016</b> , 63, 1492-504	5	20
168	Spermidine promotes mating and fertilization efficiency in model organisms. <i>Cell Cycle</i> , <b>2013</b> , 12, 346-524.7		20

167	Towards Personalization of Diabetes Therapy Using Computerized Decision Support and Machine Learning: Some Open Problems and Challenges. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 237-260	0.9	20
166	Glucose levels at the site of subcutaneous insulin administration and their relationship to plasma levels. <i>Diabetes Care</i> , <b>2010</b> , 33, 833-8	14.6	20
165	The Salivary Microbiome in Polycystic Ovary Syndrome (PCOS) and Its Association with Disease-Related Parameters: A Pilot Study. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1270	5.7	20
164	Importance of kynurenine in pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2017</b> , 313, L741-L751	5.8	19
163	Correction of vitamin D deficiency in critically ill patients - VITdAL@ICU study protocol of a double-blind, placebo-controlled randomized clinical trial. <i>BMC Endocrine Disorders</i> , <b>2012</b> , 12, 27	3.3	19
162	Hospital glucose control: safe and reliable glycemic control using enhanced model predictive control algorithm in medical intensive care unit patients. <i>Diabetes Technology and Therapeutics</i> , <b>2010</b> , 12, 405-12	8.1	19
161	Graz Endocrine Causes of Hypertension (GECOH) study: a diagnostic accuracy study of aldosterone to active renin ratio in screening for primary aldosteronism. <i>BMC Endocrine Disorders</i> , <b>2009</b> , 9, 11	3.3	19
160	Differences of subcutaneous adipose tissue topography between type-2 diabetic men and healthy controls. <i>Experimental Biology and Medicine</i> , <b>2002</b> , 227, 794-8	3.7	19
159	Enhanced absorption of insulin aspart as the result of a dispersed injection strategy tested in a randomized trial in type 1 diabetic patients. <i>Diabetes Care</i> , <b>2013</b> , 36, 780-5	14.6	18
158	25-hydroxyvitamin D is not associated with carotid intima-media thickness in older men and women. <i>Calcified Tissue International</i> , <b>2009</b> , 84, 423-4	3.9	18
157	Impact of errors in paper-based and computerized diabetes management with decision support for hospitalized patients with type 2 diabetes. A post-hoc analysis of a before and after study. <i>International Journal of Medical Informatics</i> , <b>2016</b> , 90, 58-67	5.3	18
156	A histone point mutation that switches on autophagy. <i>Autophagy</i> , <b>2014</b> , 10, 1143-5	10.2	17
155	Adult-type hypolactasia and calcium intake in polycystic ovary syndrome. <i>Clinical Endocrinology</i> , <b>2012</b> , 77, 834-43	3.4	17
154	Detailed Analysis of Insulin Absorption Variability and the Tissue Response to Continuous Subcutaneous Insulin Infusion Catheter Implantation in Swine. <i>Diabetes Technology and Therapeutics</i> , <b>2017</b> , 19, 641-650	8.1	16
153	Increases in pre-hospitalization serum 25(OH)D concentrations are associated with improved 30-day mortality after hospital admission: A cohort study. <i>Clinical Nutrition</i> , <b>2016</b> , 35, 514-521	5.9	16
152	Hemoglobin Sherwood Forest detected by high performance liquid chromatography for hemoglobin A1c. <i>American Journal of Clinical Pathology</i> , <b>1995</b> , 104, 444-6	1.9	16
151	Dasiglucagon: A Next-Generation Glucagon Analog for Rapid and Effective Treatment of Severe Hypoglycemia Results of Phase 3 Randomized Double-Blind Clinical Trial. <i>Diabetes Care</i> , <b>2021</b> ,	14.6	16
150	Effects of vitamin D supplementation on FGF23: a randomized-controlled trial. <i>European Journal of Nutrition</i> , <b>2019</b> , 58, 697-703	5.2	16

149	Fast-acting insulin aspart in people with type 2 diabetes: Earlier onset and greater initial exposure and glucose-lowering effect compared with insulin aspart. <i>Diabetes, Obesity and Metabolism</i> , <b>2019</b> , 21, 2068-2075	6.7	15
148	The Distinct Prandial and Basal Pharmacodynamics of IDegAsp Observed in Younger Adults Are Preserved in Elderly Subjects with Type 1 Diabetes. <i>Drugs and Aging</i> , <b>2015</b> , 32, 583-90	4.7	15
147	Systematic in vivo evaluation of the time-dependent inflammatory response to steel and Teflon insulin infusion catheters. <i>Scientific Reports</i> , <b>2018</b> , 8, 1132	4.9	15
146	Patients with healed diabetic foot ulcer represent a cohort at highest risk for future fatal events. <i>Scientific Reports</i> , <b>2019</b> , 9, 10325	4.9	15
145	Glucose control in intensive care: usability, efficacy and safety of Space GlucoseControl in two medical European intensive care units. <i>BMC Endocrine Disorders</i> , <b>2014</b> , 14, 62	3.3	15
144	SNP array-based whole genome homozygosity mapping as the first step to a molecular diagnosis in patients with Charcot-Marie-Tooth disease. <i>Journal of Neurology</i> , <b>2012</b> , 259, 515-23	5.5	15
143	Sclerostin in institutionalized elderly women: associations with quantitative bone ultrasound, bone turnover, fractures, and mortality. <i>Journal of the American Geriatrics Society</i> , <b>2014</b> , 62, 1023-9	5.6	15
142	Microdialysis--a versatile technology to perform metabolic monitoring in diabetes and critically ill patients. <i>Diabetes Research and Clinical Practice</i> , <b>2012</b> , 97, 112-8	7.4	15
141	Rapid online-SPE-MS/MS method for ketoprofen determination in dermal interstitial fluid samples from rats obtained by microdialysis or open-flow microperfusion. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2007</b> , 850, 432-9	3.2	15
140	Multicentric, randomized, controlled trial to evaluate blood glucose control by the model predictive control algorithm versus routine glucose management protocols in intensive care unit patients: Response to Ligtenberg et al. <i>Diabetes Care</i> , <b>2006</b> , 29, 1987-8	14.6	15
139	Functional Metagenomics of Spacecraft Assembly Cleanrooms: Presence of Virulence Factors Associated with Human Pathogens. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 1321	5.7	15
138	Evaluating Glucose Control With a Novel Composite Continuous Glucose Monitoring Index. <i>Journal of Diabetes Science and Technology</i> , <b>2020</b> , 14, 277-283	4.1	15
137	Does Home-Based Progressive Resistance or High-Intensity Circuit Training Improve Strength, Function, Activity or Participation in Children With Cerebral Palsy?. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2018</b> , 99, 2457-2464.e4	2.8	15
136	The effect of high-dose cholecalciferol on bioavailable vitamin D levels in critically ill patients: a post hoc analysis of the VITdAL-ICU trial. <i>Intensive Care Medicine</i> , <b>2017</b> , 43, 1732-1734	14.5	14
135	Cardiovascular safety and lower severe hypoglycaemia of insulin degludec versus insulin glargine U100 in patients with type 2 diabetes aged 65 years or older: Results from DEVOTE (DEVOTE 7). <i>Diabetes, Obesity and Metabolism</i> , <b>2019</b> , 21, 1625-1633	6.7	14
134	Treatment of hyperprolactinaemia reduces total cholesterol and LDL in patients with prolactinomas. <i>Metabolic Brain Disease</i> , <b>2017</b> , 32, 155-161	3.9	14
133	Association of homoarginine and methylarginines with liver dysfunction and mortality in chronic liver disease. <i>Amino Acids</i> , <b>2015</b> , 47, 1817-26	3.5	14
132	Long-term implanted cOFM probe causes minimal tissue reaction in the brain. <i>PLoS ONE</i> , <b>2014</b> , 9, e90221	3.7	14

131	Vitamin D and prostate cancer prognosis: a Mendelian randomization study. <i>World Journal of Urology</i> , <b>2016</b> , 34, 607-11	4	13
130	Periodic extraction of interstitial fluid from the site of subcutaneous insulin infusion for the measurement of glucose: a novel single-port technique for the treatment of type 1 diabetes patients. <i>Diabetes Technology and Therapeutics</i> , <b>2013</b> , 15, 50-9	8.1	13
129	Distribution of CD4(pos) -, CD8(pos) - and regulatory T cells in the upper and lower gastrointestinal tract in healthy young subjects. <i>PLoS ONE</i> , <b>2013</b> , 8, e80362	3.7	13
128	Allelic determinants of vitamin d insufficiency, bone mineral density, and bone fractures. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2012</b> , 97, E1234-40	5.6	13
127	Hormonal Contraceptive Use Is Associated With Higher Total but Unaltered Free 25-Hydroxyvitamin D Serum Concentrations. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2018</b> , 103, 2385-2391	5.6	12
126	Osteocalcin levels on oral glucose load in women being investigated for polycystic ovary syndrome. <i>Endocrine Practice</i> , <b>2014</b> , 20, 5-14	3.2	12
125	Glomerular Filtration Rate and Associated Risks of Cardiovascular Events, Mortality, and Severe Hypoglycemia in Patients with Type 2 Diabetes: Secondary Analysis (DEVOTE 11). <i>Diabetes Therapy</i> , <b>2020</b> , 11, 53-70	3.6	12
124	Glucagon-Like Peptide-1 Receptor Agonism Improves Nephrotoxic Serum Nephritis by Inhibiting T-Cell Proliferation. <i>American Journal of Pathology</i> , <b>2020</b> , 190, 400-411	5.8	12
123	High-dose intravenous versus oral iron in blood donors with iron deficiency: The IronWoMan randomized, controlled clinical trial. <i>Clinical Nutrition</i> , <b>2020</b> , 39, 737-745	5.9	12
122	Duration of Hybrid Closed-Loop Insulin Therapy to Achieve Representative Glycemic Outcomes in Adults With Type 1 Diabetes. <i>Diabetes Care</i> , <b>2020</b> , 43, e38-e39	14.6	11
121	Impact of C-Peptide Status on the Response of Glucagon and Endogenous Glucose Production to Induced Hypoglycemia in T1DM. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2018</b> , 103, 1408-1417	5.6	11
120	Effect of once-weekly semaglutide on the counterregulatory response to hypoglycaemia in people with type 2 diabetes: A randomized, placebo-controlled, double-blind, crossover trial. <i>Diabetes, Obesity and Metabolism</i> , <b>2018</b> , 20, 2565-2573	6.7	11
119	A feasibility study of a 3-day basal-bolus insulin delivery device in individuals with type 2 diabetes. <i>Diabetes Care</i> , <b>2014</b> , 37, 1476-9	14.6	11
118	Metformin resistance alleles in polycystic ovary syndrome: pattern and association with glucose metabolism. <i>Pharmacogenomics</i> , <b>2014</b> , 15, 305-17	2.6	11
117	Assessing the effectiveness of 3 months day and night home closed-loop insulin delivery in adults with suboptimally controlled type 1 diabetes: a randomised crossover study protocol. <i>BMJ Open</i> , <b>2014</b> , 4, e006075	3	11
116	Evaluation of a teaching and treatment program in over 4,000 type 2 diabetic patients after introduction of reimbursement policy for physicians. <i>Diabetes Care</i> , <b>2007</b> , 30, 1584-6	14.6	11
115	Short-Acting Insulin Reduction Strategies for Continuous Cycle Ergometer Exercises in Patients with Type 1 Diabetes Mellitus. <i>Asian Journal of Sports Medicine</i> , <b>2017</b> , 8,	1.4	11
114	Beneficial Effects of UV-Radiation: Vitamin D and beyond. <i>International Journal of Environmental Research and Public Health</i> , <b>2016</b> , 13,	4.6	11

113	A head-to-head comparison of personal and professional continuous glucose monitoring systems in people with type 1 diabetes: Hypoglycaemia remains the weak spot. <i>Diabetes, Obesity and Metabolism</i> , <b>2019</b> , 21, 1043-1048	6.7	11
112	Intermittent Fasting (Alternate Day Fasting) in Healthy, Non-obese Adults: Protocol for a Cohort Trial with an Embedded Randomized Controlled Pilot Trial. <i>Advances in Therapy</i> , <b>2018</b> , 35, 1265-1283	4.1	10
111	SNP-array based whole genome homozygosity mapping: a quick and powerful tool to achieve an accurate diagnosis in LGMD2 patients. <i>European Journal of Medical Genetics</i> , <b>2011</b> , 54, 214-9	2.6	10
110	Interleukin-6 produced in subcutaneous adipose tissue is linked to blood pressure control in septic patients. <i>Cytokine</i> , <b>2010</b> , 50, 284-91	4	10
109	Ibandronate and calcitriol reduces fracture risk, reverses bone loss, and normalizes bone turnover after LTX. <i>Transplantation</i> , <b>2012</b> , 93, 331-6	1.8	10
108	Microdialysis based device for continuous extravascular monitoring of blood glucose. <i>Biomedical Microdevices</i> , <b>2010</b> , 12, 399-407	3.7	10
107	Physiological hyperinsulinemia has no detectable effect on access of macromolecules to insulin-sensitive tissues in healthy humans. <i>Diabetes</i> , <b>2007</b> , 56, 2213-7	0.9	10
106	Insulin resistance caused by amylin in conscious rats is independent of induced hypocalcemia and fades during long-term exposure. <i>European Journal of Endocrinology</i> , <b>1993</b> , 129, 360-5	6.5	10
105	Autophagy extends lifespan via vacuolar acidification. <i>Microbial Cell</i> , <b>2014</b> , 1, 160-162	3.9	10
104	Behavioral Patterns and Associations with Glucose Control During 12-Week Randomized Free-Living Clinical Trial of Day and Night Hybrid Closed-Loop Insulin Delivery in Adults with Type 1 Diabetes. <i>Diabetes Technology and Therapeutics</i> , <b>2017</b> , 19, 433-437	8.1	10
103	Lower rates of cardiovascular events and mortality associated with liraglutide use in patients treated with basal insulin: A DEVOTE subanalysis (DEVOTE 10). <i>Diabetes, Obesity and Metabolism</i> , <b>2019</b> , 21, 1437-1444	6.7	9
102	The Effect of Parenteral or Oral Iron Supplementation on Fatigue, Sleep, Quality of Life and Restless Legs Syndrome in Iron-Deficient Blood Donors: A Secondary Analysis of the IronWoMan RCT. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	9
101	Hypoglycaemia incidence and recovery during home use of hybrid closed-loop insulin delivery in adults with type 1 diabetes. <i>Diabetes, Obesity and Metabolism</i> , <b>2018</b> , 20, 2004-2008	6.7	9
100	Kinetics of Clobetasol-17-Propionate in Psoriatic Lesional and Non-Lesional Skin Assessed by Dermal Open Flow Microperfusion with Time and Space Resolution. <i>Pharmaceutical Research</i> , <b>2016</b> , 33, 2229-38	4.5	9
99	Randomized Evaluation of the Effectiveness of a Structured Educational Program for Patients With Essential Hypertension. <i>American Journal of Hypertension</i> , <b>2016</b> , 29, 866-72	2.3	9
98	A Mobile Computerized Decision Support System to Prevent Hypoglycemia in Hospitalized Patients With Type 2 Diabetes Mellitus. <i>Journal of Diabetes Science and Technology</i> , <b>2017</b> , 11, 20-28	4.1	9
97	A stepwise approach toward closed-loop blood glucose control for intensive care unit patients: results from a feasibility study in type 1 diabetic subjects using vascular microdialysis with infrared spectrometry and a model predictive control algorithm. <i>Journal of Diabetes Science and Technology</i> , <b>2011</b> , 5, 901-5	4.1	9
96	Glucotab-guided insulin therapy using insulin glargine U300 enables glycaemic control with low risk of hypoglycaemia in hospitalized patients with type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , <b>2019</b> , 21, 584-591	6.7	9



95	Effects of a multifaceted educational program on blood pressure and cardiovascular risk in hypertensive patients: the Austrian herz.leben project. <i>Journal of Hypertension</i> , <b>2011</b> , 29, 2024-30	1.9	8
94	Lipid-heparin infusion suppresses the IL-10 response to trauma in subcutaneous adipose tissue in humans. <i>Obesity</i> , <b>2011</b> , 19, 715-21	8	8
93	Clinical Pharmacology of Fast-Acting Insulin Aspart Versus Insulin Aspart Measured as Free or Total Insulin Aspart and the Relation to Anti-Insulin Aspart Antibody Levels in Subjects with Type 1 Diabetes Mellitus. <i>Clinical Pharmacokinetics</i> , <b>2019</b> , 58, 639-649	6.2	8
92	Insulin Bolus Administration in Insulin Pump Therapy: Effect of Bolus Delivery Speed on Insulin Absorption from Subcutaneous Tissue. <i>Diabetes Technology and Therapeutics</i> , <b>2019</b> , 21, 44-50	8.1	8
91	Novel Single-Site Device for Conjoined Glucose Sensing and Insulin Infusion: Performance Evaluation in Diabetes Patients During Home-Use. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2020</b> , 67, 323-332	5	8
90	Early Hyperglycemia after Initiation of Glucocorticoid Therapy Predicts Adverse Outcome in Patients with Acute Graft-versus-Host Disease. <i>Biology of Blood and Marrow Transplantation</i> , <b>2017</b> , 23, 1186-1192	4.7	7
89	Novel simple insulin delivery device reduces barriers to insulin therapy in type 2 diabetes: results from a pilot study. <i>Journal of Diabetes Science and Technology</i> , <b>2015</b> , 9, 581-7	4.1	7
88	Stratifying nutritional restriction in cancer therapy: Next step, personalized medicine. <i>International Review of Cell and Molecular Biology</i> , <b>2020</b> , 354, 231-259	6	7
87	Risk of severe hypoglycaemia and its impact in type 2 diabetes in DEVOTE. <i>Diabetes, Obesity and Metabolism</i> , <b>2020</b> , 22, 2241-2247	6.7	7
86	The co-formulation of insulin degludec and insulin aspart lowers fasting plasma glucose and rates of confirmed and nocturnal hypoglycaemia, independent of baseline glycated haemoglobin levels, disease duration or body mass index: A pooled meta-analysis of phase III studies in patients with type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , <b>2018</b> , 20, 1585-1592	6.7	7
85	Pharmacokinetic Properties of Liraglutide as Adjunct to Insulin in Subjects with Type 2 Diabetes Mellitus. <i>Clinical Pharmacokinetics</i> , <b>2016</b> , 55, 1457-1463	6.2	7
84	Open Flow Microperfusion: An Alternative Method to Microdialysis?. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , <b>2013</b> , 283-302	0.5	7
83	A direct comparison of the pharmacodynamic properties of insulin detemir and neutral protamine lispro insulin in patients with type 1 diabetes. <i>Diabetes, Obesity and Metabolism</i> , <b>2013</b> , 15, 241-5	6.7	7
82	Genetics of insulin resistance in polycystic ovary syndrome. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2015</b> , 18, 401-6	3.8	7
81	Bioavailability of insulin detemir and human insulin at the level of peripheral interstitial fluid in humans, assessed by open-flow microperfusion. <i>Diabetes, Obesity and Metabolism</i> , <b>2015</b> , 17, 1166-72	6.7	7
80	Long-term efficacy and safety of oral semaglutide and the effect of switching from sitagliptin to oral semaglutide in patients with type 2 diabetes: a 52-week, randomized, open-label extension of the PIONEER 7 trial. <i>BMJ Open Diabetes Research and Care</i> , <b>2020</b> , 8,	4.5	7
79	LEADER 7: cardiovascular risk profiles of US and European participants in the LEADER diabetes trial differ. <i>Diabetology and Metabolic Syndrome</i> , <b>2016</b> , 8, 37	5.6	7
78	Effects of vitamin D supplementation on metabolic and endocrine parameters in healthy premenopausal women: A randomized controlled trial. <i>Clinical Nutrition</i> , <b>2020</b> , 39, 718-726	5.9	7



77	Faster insulin action is associated with improved glycaemic outcomes during closed-loop insulin delivery and sensor-augmented pump therapy in adults with type 1 diabetes. <i>Diabetes, Obesity and Metabolism</i> , <b>2017</b> , 19, 1485-1489	6.7	6
76	Genetic Components of 25-Hydroxyvitamin D Increase in Three Randomized Controlled Trials. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	6
75	Crosstalk between Stem and Progenitor Cellular Mediators with Special Emphasis on Vasculogenesis. <i>Transfusion Medicine and Hemotherapy</i> , <b>2017</b> , 44, 174-182	4.2	6
74	Heart failure with insulin degludec versus glargine U100 in patients with type 2 diabetes at high risk of cardiovascular disease: DEVOTE 14. <i>Cardiovascular Diabetology</i> , <b>2019</b> , 18, 156	8.7	6
73	Combined metformin-associated lactic acidosis and euglycemic ketoacidosis. <i>Wiener Klinische Wochenschrift</i> , <b>2017</b> , 129, 646-649	2.3	6
72	Monolithic precolumns as efficient tools for guiding the design of nanoparticulate drug-delivery formulations. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 7415-21	7.8	6
71	Modeling non-hereditary mechanisms of Alzheimer disease during apoptosis in yeast. <i>Microbial Cell</i> , <b>2015</b> , 2, 136-138	3.9	6
70	Survival assessment of the extended-wear insulin infusion set featuring lantern technology in adults with type 1 diabetes by the glucose clamp technique. <i>Diabetes, Obesity and Metabolism</i> , <b>2021</b> , 23, 1402-1408	6.7	6
69	Quantification of Basal Insulin Peglispro and Human Insulin in Adipose Tissue Interstitial Fluid by Open-Flow Microperfusion. <i>Diabetes Technology and Therapeutics</i> , <b>2017</b> , 19, 305-314	8.1	5
68	Estimation of human leptin concentration in the subcutaneous adipose and skeletal muscle tissues. <i>European Journal of Clinical Investigation</i> , <b>2015</b> , 45, 445-51	4.6	5
67	Association of MEP1A gene variants with insulin metabolism in central European women with polycystic ovary syndrome. <i>Gene</i> , <b>2014</b> , 537, 245-52	3.8	5
66	The effect of terbutaline on the absorption of pulmonary administered insulin in subjects with asthma. <i>British Journal of Clinical Pharmacology</i> , <b>2010</b> , 69, 271-8	3.8	5
65	Prediction of glucose concentration in post-cardiothoracic surgery patients using continuous glucose monitoring. <i>Diabetes Technology and Therapeutics</i> , <b>2011</b> , 13, 127-34	8.1	5
64	The effect of exercise on the absorption of inhaled human insulin in healthy volunteers. <i>British Journal of Clinical Pharmacology</i> , <b>2008</b> , 65, 165-71	3.8	5
63	Fluconazole and acetazolamide in the treatment of ectopic Cushing's syndrome with severe metabolic alkalosis. <i>Endocrinology, Diabetes and Metabolism Case Reports</i> , <b>2015</b> , 2015, 150027	1.4	5
62	Adverse body composition and lipid parameters in patients with prolactinoma: a case-control study. <i>BMC Endocrine Disorders</i> , <b>2021</b> , 21, 81	3.3	5
61	Cost-Effectiveness of Insulin Degludec Versus Insulin Glargine U300 in the Netherlands: Evidence From a Randomised Controlled Trial. <i>Advances in Therapy</i> , <b>2020</b> , 37, 2413-2426	4.1	5
60	Different Heart Rate Patterns During Cardio-Pulmonary Exercise (CPX) Testing in Individuals With Type 1 Diabetes. <i>Frontiers in Endocrinology</i> , <b>2018</b> , 9, 585	5.7	5

59	Quantifying vitamin D and its metabolites by LC/Orbitrap MS. <i>Analytical Methods</i> , <b>2015</b> , 7, 8961-8966	3.2	4
58	Prioritizing information topics for relatives of critically ill patients : Cross-sectional survey among intensive care unit relatives and professionals. <i>Wiener Klinische Wochenschrift</i> , <b>2018</b> , 130, 645-652	2.3	4
57	Recirculation--a novel approach to quantify interstitial analytes in living tissue by combining a sensor with open-flow microperfusion. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 549-54	4.4	4
56	Clinical evaluation of subcutaneous lactate measurement in patients after major cardiac surgery. <i>International Journal of Endocrinology</i> , <b>2009</b> , 2009, 390975	2.7	4
55	Pharmacokinetics and Pharmacodynamics of Three Different Formulations of Insulin Aspart: A Randomized, Double-Blind, Crossover Study in Men With Type 1 Diabetes. <i>Diabetes Care</i> , <b>2021</b> , 44, 448-455	14.6	4
54	Design of a mobile, safety-critical in-patient glucose management system. <i>Studies in Health Technology and Informatics</i> , <b>2011</b> , 169, 950-4	0.5	4
53	Rapid Benefits of Structured Optimization and Sensor-Augmented Insulin Pump Therapy in Adults With Type 1 Diabetes. <i>Journal of Diabetes Science and Technology</i> , <b>2017</b> , 11, 180-181	4.1	3
52	Short-term cost-utility of degludec versus glargine U100 for patients with type 2 diabetes at high risk of hypoglycaemia and cardiovascular events: A Canadian setting (DEVOTE 9). <i>Diabetes, Obesity and Metabolism</i> , <b>2019</b> , 21, 1706-1714	6.7	3
51	Visceral leishmaniasis in a patient with diabetes mellitus type 2 and discrete bicytopenia. <i>Clinical Case Reports (discontinued)</i> , <b>2018</b> , 6, 78-81	0.7	3
50	Short-term effects of dapagliflozin on insulin sensitivity, postprandial glucose excursion and ketogenesis in type 1 diabetes mellitus: A randomized, placebo-controlled, double blind, cross-over pilot study. <i>Diabetes, Obesity and Metabolism</i> , <b>2018</b> , 20, 2685-2689	6.7	3
49	Feasibility and safety of using an automated decision support system for insulin therapy in the treatment of steroid-induced hyperglycemia in patients with acute graft-versus-host disease: A randomized trial. <i>Journal of Diabetes Investigation</i> , <b>2019</b> , 10, 339-342	3.9	3
48	Optimal blood glucose control in severely burned patients: a long way to go, but one step closer. <i>Critical Care</i> , <b>2013</b> , 17, 1005	10.8	3
47	The impact of large tidal volume ventilation on the absorption of inhaled insulin in rabbits. <i>European Journal of Pharmaceutical Sciences</i> , <b>2007</b> , 30, 351-7	5.1	3
46	On-the-fly form generation and on-line metadata configuration--a clinical data management Web infrastructure in Java. <i>Studies in Health Technology and Informatics</i> , <b>2006</b> , 124, 271-6	0.5	3
45	Efficacy and Safety of Fast-Acting Insulin Aspart in People with Type 1 Diabetes Using Carbohydrate Counting: A Post Hoc Analysis of Two Randomised Controlled Trials. <i>Diabetes Therapy</i> , <b>2019</b> , 10, 1029-1041	3.6	2
44	Commentary to "Differential Effect of Hypoalbuminemia on Hypoglycemia on Type 2 Diabetes Patients Treated with Insulin Glargine 300 U/ml and Insulin Degludec" by Kawaguchi et al. <i>Diabetes Therapy</i> 2019. <i>Diabetes Therapy</i> , <b>2020</b> , 11, 561-567	3.6	2
43	Secondary Hyperthyroidism due to an Ectopic Thyrotropin-Secreting Neuroendocrine Pituitary Tumor: A Case Report. <i>European Thyroid Journal</i> , <b>2020</b> , 9, 106-112	4.2	2
42	Limited Documentation and Treatment Quality of Glycemic Inpatient Care in Relation to Structural Deficits of Heterogeneous Insulin Charts at a Large University Hospital. <i>Journal of Patient Safety</i> , <b>2021</b> , 17, e631-e636	1.9	2

41	A prolonged run-in period of standard subcutaneous microdialysis ameliorates quality of interstitial glucose signal in patients after major cardiac surgery. <i>Scientific Reports</i> , <b>2018</b> , 8, 1262	4.9	2
40	Vitamin D and arterial hypertension: treat the deficiency!. <i>American Journal of Hypertension</i> , <b>2013</b> , 26, 158	2.3	2
39	Vitamin D: clinical implications beyond musculoskeletal diseases/Vitamin D: Klinische Bedeutung bei nicht muskuloskelettalen Erkrankungen. <i>Laboratoriums Medizin</i> , <b>2011</b> , 35, 211-216		2
38	Expression Profiles of miR-22-5p and miR-142-3p Indicate Hashimoto's Disease and Are related to Thyroid Antibodies.. <i>Genes</i> , <b>2022</b> , 13,	4.2	2
37	Hemoglobin glycation index, calculated from a single fasting glucose value, as a prediction tool for severe hypoglycemia and major adverse cardiovascular events in DEVOTE. <i>BMJ Open Diabetes Research and Care</i> , <b>2021</b> , 9,	4.5	2
36	1021-P: HbA1c Levels and Rates of Hypoglycemia with Insulin Degludec U200 and Insulin Glargine U300 Stratified by Renal Function Subgroups: Post Hoc Analysis from the CONCLUDE Trial. <i>Diabetes</i> , <b>2020</b> , 69, 1021-P	0.9	2
35	Association of allostatic load with health-related quality of life in patients with arterial hypertension: a cross-sectional analysis. <i>Swiss Medical Weekly</i> , <b>2018</b> , 148, w14689	3.1	2
34	Development of a hypoglycaemia risk score to identify high-risk individuals with advanced type 2 diabetes in DEVOTE. <i>Diabetes, Obesity and Metabolism</i> , <b>2020</b> , 22, 2248-2256	6.7	2
33	Study protocol for assessing the user acceptance, safety and efficacy of a tablet-based workflow and decision support system with incorporated basal insulin algorithm for glycaemic management in participants with type 2 diabetes receiving home health care: A single-centre, open-label, uncontrolled proof-of-concept study. <i>Contemporary Clinical Trials Communications</i> , <b>2020</b> , 19, 100620	1.8	2
32	EndoBarrier Implantation Rapidly Improves Insulin Sensitivity in Obese Individuals with Type 2 Diabetes Mellitus. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	2
31	Safe and Sufficient Glycemic Control by Using a Digital Clinical Decision Support System for Patients With Type 2 Diabetes in a Routine Setting on General Hospital Wards. <i>Journal of Diabetes Science and Technology</i> , <b>2021</b> , 15, 231-235	4.1	2
30	Differences in Physiological Responses to Cardiopulmonary Exercise Testing in Adults With and Without Type 1 Diabetes: A Pooled Analysis. <i>Diabetes Care</i> , <b>2021</b> , 44, 240-247	14.6	2
29	A Glycemia Risk Index (GRI) of Hypoglycemia and Hyperglycemia for Continuous Glucose Monitoring Validated by Clinician Ratings.. <i>Journal of Diabetes Science and Technology</i> , <b>2022</b> , 19322968221085273	4.1	2
28	No indication of insulin resistance in idiopathic pulmonary arterial hypertension with preserved physical activity. <i>European Respiratory Journal</i> , <b>2020</b> , 55,	13.6	1
27	Atypical blood glucose response to continuous and interval exercise in a person with type 1 diabetes: a case report. <i>Journal of Medical Case Reports</i> , <b>2017</b> , 11, 176	1.2	1
26	An automated discontinuous venous blood sampling system for ex vivo glucose determination in humans. <i>Journal of Diabetes Science and Technology</i> , <b>2009</b> , 3, 110-6	4.1	1
25	Intronic Variants in OCT1 are Associated with All-Cause and Cardiovascular Mortality in Metformin Users with Type 2 Diabetes. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , <b>2020</b> , 13, 2069-2080	3.4	1
24	The Influence of an Attachment-Related Stimulus on Oxytocin Reactivity in Poly-Drug Users Undergoing Maintenance Therapy Compared to Healthy Controls. <i>Frontiers in Psychiatry</i> , <b>2020</b> , 11, 460506	5	1

23	Risk factors for kidney disorders in patients with type 2 diabetes at high cardiovascular risk: An exploratory analysis (DEVOTE 12). <i>Diabetes and Vascular Disease Research</i> , <b>2020</b> , 17, 1479164120970933 <sup>3,3</sup>		1
22	Blood glucose response after oral lactulose intake in type 2 diabetic individuals. <i>World Journal of Diabetes</i> , <b>2021</b> , 12, 893-907	4.7	1
21	Immunogenicity of the Novel Glucagon Analogue Dasiglucagon: Results of a Dedicated Immunogenicity Trial in Type 1 Diabetes. <i>Diabetes Technology and Therapeutics</i> , <b>2021</b> , 23, 773-776	8.1	1
20	Electronic Diabetes Management System Replaces Paper Insulin Chart: Improved Quality in Diabetes Inpatient Care Processes Due to Digitalization. <i>Journal of Diabetes Science and Technology</i> , <b>2021</b> , 15, 222-230	4.1	1
19	DXA-Derived Indices in the Characterisation of Sarcopenia.. <i>Nutrients</i> , <b>2021</b> , 14,	6.7	1
18	A joint alignment and reconstruction algorithm for electron tomography to visualize in-depth cell-to-cell interactions.. <i>Histochemistry and Cell Biology</i> , <b>2022</b> , 1	2.4	1
17	A new Perspective on Closed-Loop Glucose Control using a Physiology-Based Pharmacokinetic / Pharmacodynamic Model Kernel. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 420-425		0
16	The effect of exercise on the absorption of inhaled human insulin via the AERx insulin diabetes management system in people with type 1 diabetes. <i>Diabetes Care</i> , <b>2007</b> , 30, 2571-6	14.6	0
15	Impact of kidney function on the safety and efficacy of insulin degludec versus insulin glargine U300 in people with type 2 diabetes: A post hoc analysis of the CONCLUDE trial. <i>Diabetes, Obesity and Metabolism</i> , <b>2021</b> ,	6.7	0
14	Efficient and safe glycaemic control with basal-bolus insulin therapy during fasting periods in hospitalized patients with type 2 diabetes using decision support technology: A post hoc analysis. <i>Diabetes, Obesity and Metabolism</i> , <b>2021</b> , 23, 2161-2169	6.7	0
13	Diabetes Management According to Health Status in Older Adults with Type 2 Diabetes Staying in Geriatric Care Facilities. <i>Journal of Diabetes Science and Technology</i> , <b>2021</b> , 15, 615-621	4.1	0
12	Hyperinsulinaemic-hypoglycaemic glucose clamps in human research: a systematic review of the literature. <i>Diabetologia</i> , <b>2021</b> , 64, 727-736	10.3	0
11	Impact of a Single 36 Hours Prolonged Fasting Period in Adults With Type 1 Diabetes - A Cross-Over Controlled Trial. <i>Frontiers in Endocrinology</i> , <b>2021</b> , 12, 656346	5.7	0
10	Efficacy, safety, tolerability, and noninferiority phase 3 study of glucagon as a ready-to-use room temperature liquid stable formulation versus as a lyophilised formulation for the biochemical recovery and symptomatic relief of insulin-induced severe hypoglycaemia in adults with type 1 diabetes.. <i>Diabetes, Obesity and Metabolism</i> , <b>2022</b> ,	6.7	0
9	Usefulness of the trabecular bone score in maintenance dialysis patients : A single center observational study.. <i>Wiener Klinische Wochenschrift</i> , <b>2022</b> , 1	2.3	0
8	The effect of spermidine on autoimmunity and beta cell function in NOD mice.. <i>Scientific Reports</i> , <b>2022</b> , 12, 4502	4.9	0
7	Cohort profile: Biomarkers of Personalised Medicine (BioPersMed): a single-centre prospective observational cohort study in Graz/Austria to evaluate novel biomarkers in cardiovascular and metabolic diseases.. <i>BMJ Open</i> , <b>2022</b> , 12, e058890	3	0
6	Comment on: Davidson et al. High-dose vitamin D supplementation in people with prediabetes and hypovitaminosis D. <i>Diabetes Care</i> 2013;36:260-266. <i>Diabetes Care</i> , <b>2013</b> , 36, e81	14.6	

- 5 Observations on the effect of glibenclamide on noninvasive clinical parameters of myocardial ischemia. *Cardiovascular Drugs and Therapy*, **1998**, 12, 383-5 3.9
- 4 Hospitalization costs with degludec versus glargine U100 for patients with type 2 diabetes at high cardiovascular risk: Canadian costs applied to SAEs from a randomized outcomes trial. *Journal of Medical Economics*, **2021**, 24, 1318-1326 2.4
- 3 Morphometric parameters of muscle and bone in critically ill patients : Post hoc analysis of the VITdAL-ICU trial. *Wiener Klinische Wochenschrift*, **2021**, 133, 529-535 2.3
- 2 Evaluation of an implemented new insulin chart to improve quality and safety of diabetes care in a large university hospital: a follow-up study. *BMJ Open*, **2021**, 11, e041298 3
- 1 Glucose-Lowering Therapy beyond Insulin in Type 1 Diabetes: A Narrative Review on Existing Evidence from Randomized Controlled Trials and Clinical Perspective. *Pharmaceutics*, **2022**, 14, 1180 6.4