

# Thomas R Pieber

## List of Publications by Year in descending order

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Version: 2024-02-01

316  
papers

19,269  
citations

13087

68  
h-index

15249

126  
g-index

325  
all docs

325  
docs citations

325  
times ranked

25503  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear model predictive control of glucose concentration in subjects with type 1 diabetes. <i>Physiological Measurement</i> , 2004, 25, 905-920.	1.2	1,025
2	Cardioprotection and lifespan extension by the natural polyamine spermidine. <i>Nature Medicine</i> , 2016, 22, 1428-1438.	15.2	801
3	Vitamin D and Immune Function. <i>Nutrients</i> , 2013, 5, 2502-2521.	1.7	743
4	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> , 2016, 65, 1190-1195.	0.3	498
5	Efficacy and Safety of Degludec versus Glargine in Type 2 Diabetes. <i>New England Journal of Medicine</i> , 2017, 377, 723-732.	13.9	480
6	Regulation of Autophagy by Cytosolic Acetyl-Coenzyme A. <i>Molecular Cell</i> , 2014, 53, 710-725.	4.5	412
7	Home Use of an Artificial Beta Cell in Type 1 Diabetes. <i>New England Journal of Medicine</i> , 2015, 373, 2129-2140.	13.9	397
8	Effect of High-Dose Vitamin D <sub>3</sub> on Hospital Length of Stay in Critically Ill Patients With Vitamin D Deficiency. <i>JAMA - Journal of the American Medical Association</i> , 2014, 312, 1520.	3.8	368
9	Vitamin D status and arterial hypertension: a systematic review. <i>Nature Reviews Cardiology</i> , 2009, 6, 621-630.	6.1	330
10	Effect of Oral Semaglutide Compared With Placebo and Subcutaneous Semaglutide on Glycemic Control in Patients With Type 2 Diabetes. <i>JAMA - Journal of the American Medical Association</i> , 2017, 318, 1460.	3.8	301
11	Restoring polyamines protects from age-induced memory impairment in an autophagy-dependent manner. <i>Nature Neuroscience</i> , 2013, 16, 1453-1460.	7.1	283
12	Women Underrepresented on Editorial Boards of 60 Major Medical Journals. <i>Gender Medicine</i> , 2011, 8, 378-387.	1.4	258
13	Alternate Day Fasting Improves Physiological and Molecular Markers of Aging in Healthy, Non-obese Humans. <i>Cell Metabolism</i> , 2019, 30, 462-476.e6.	7.2	256
14	A Double-Blind, Randomized, Dose-Response Study Investigating the Pharmacodynamic and Pharmacokinetic Properties of the Long-Acting Insulin Analog Detemir. <i>Diabetes Care</i> , 2005, 28, 1107-1112.	4.3	254
15	Long-acting insulin analogues versus NPH insulin (human isophane insulin) for type 2 diabetes mellitus. <i>The Cochrane Library</i> , 2007, , CD005613.	1.5	253
16	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> , 2017, 12, e0168390.	1.1	253
17	IPO: a tool for automated optimization of XCMS parameters. <i>BMC Bioinformatics</i> , 2015, 16, 118.	1.2	249
18	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> , 2019, 42, 1147-1154.	4.3	249

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19	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> , 2012, 97, 148-154.	1.8	239
20	Alterations in the ankyrin domain of TRPV4 cause congenital distal SMA, scapulo-peroneal SMA and HMSN2C. <i>Nature Genetics</i> , 2010, 42, 160-164.	9.4	228
21	Nucleocytosolic Depletion of the Energy Metabolite Acetyl-Coenzyme A Stimulates Autophagy and Prolongs Lifespan. <i>Cell Metabolism</i> , 2014, 19, 431-444.	7.2	221
22	Insulin Kinetics in Type-1 Diabetes: Continuous and Bolus Delivery of Rapid Acting Insulin. <i>IEEE Transactions on Biomedical Engineering</i> , 2005, 52, 3-12.	2.5	209
23	Vitamin D, cardiovascular disease and mortality. <i>Clinical Endocrinology</i> , 2011, 75, 575-584.	1.2	199
24	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> , 2006, 29, 271-276.	4.3	189
25	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> , 2016, 55, 1479-1489.	1.8	185
26	Vitamin D-associated polymorphisms are related to insulin resistance and vitamin D deficiency in polycystic ovary syndrome. <i>European Journal of Endocrinology</i> , 2011, 164, 741-749.	1.9	178
27	Characterization of the microbiome of nipple aspirate fluid of breast cancer survivors. <i>Scientific Reports</i> , 2016, 6, 28061.	1.6	177
28	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> , 2015, 17, 928-935.	2.2	159
29	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> , 2016, 39, 1693-1701.	4.3	159
30	Mutations in BICD2 Cause Dominant Congenital Spinal Muscular Atrophy and Hereditary Spastic Paraplegia. <i>American Journal of Human Genetics</i> , 2013, 92, 965-973.	2.6	156
31	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> , 2019, 7, 528-539.	5.5	156
32	Evaluation of a Structured Outpatient Group Education Program for Intensive Insulin Therapy. <i>Diabetes Care</i> , 1995, 18, 625-630.	4.3	154
33	Short acting insulin analogues versus regular human insulin in patients with diabetes mellitus. <i>The Cochrane Library</i> , 2006, , CD003287.	1.5	154
34	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> , 2017, 56, 551-559.	1.6	150
35	A Direct Comparison of Insulin Aspart and Insulin Lispro in Patients With Type 1 Diabetes. <i>Diabetes Care</i> , 2002, 25, 2053-2057.	4.3	144
36	Closing the Loop: The Adicol Experience. <i>Diabetes Technology and Therapeutics</i> , 2004, 6, 307-318.	2.4	131

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37	Day-to-day fasting glycaemic variability in DEVOTE: associations with severe hypoglycaemia and cardiovascular outcomes (DEVOTE 2). <i>Diabetologia</i> , 2018, 61, 48-57.	2.9	126
38	Systematic Review and Meta-analysis of Short-Acting Insulin Analogues in Patients With Diabetes Mellitus. <i>Archives of Internal Medicine</i> , 2005, 165, 1337.	4.3	125
39	DEVOTE 3: temporal relationships between severe hypoglycaemia, cardiovascular outcomes and mortality. <i>Diabetologia</i> , 2018, 61, 58-65.	2.9	124
40	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> , 2011, 88, 99-105.	2.6	123
41	Measurement of interstitial albumin in human skeletal muscle and adipose tissue by open-flow microperfusion. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000, 278, E352-E356.	1.8	121
42	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> , 2017, 5, 261-270.	5.5	120
43	Aldosterone and arterial hypertension. <i>Nature Reviews Endocrinology</i> , 2010, 6, 83-93.	4.3	117
44	Day and Night Home Closed-Loop Insulin Delivery in Adults With Type 1 Diabetes: Three-Center Randomized Crossover Study. <i>Diabetes Care</i> , 2014, 37, 1931-1937.	4.3	113
45	Evaluation of subcutaneous glucose monitoring systems under routine environmental conditions in patients with type 1 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2017, 19, 1051-1055.	2.2	111
46	Aldosterone and parathyroid hormone: a precarious couple for cardiovascular disease. <i>Cardiovascular Research</i> , 2012, 94, 10-19.	1.8	108
47	Size-dependent effects of nanoparticles on the activity of cytochrome P450 isoenzymes. <i>Toxicology and Applied Pharmacology</i> , 2010, 242, 326-332.	1.3	103
48	Safety and tolerability of spermidine supplementation in mice and older adults with subjective cognitive decline. <i>Aging</i> , 2018, 10, 19-33.	1.4	101
49	Comparison of two in vitro systems to assess cellular effects of nanoparticles-containing aerosols. <i>Toxicology in Vitro</i> , 2013, 27, 409-417.	1.1	100
50	The flavonoid 4,4'-dimethoxychalcone promotes autophagy-dependent longevity across species. <i>Nature Communications</i> , 2019, 10, 651.	5.8	100
51	Cytotoxicity of nanoparticles independent from oxidative stress. <i>Journal of Toxicological Sciences</i> , 2009, 34, 363-375.	0.7	99
52	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> , 2017, 11, 1080-1088.	1.3	99
53	Dietary spermidine improves cognitive function. <i>Cell Reports</i> , 2021, 35, 108985.	2.9	98
54	The effect of vitamin D supplementation on peripheral regulatory T cells and $\hat{1}^2$ cell function in healthy humans: a randomized controlled trial. <i>Diabetes/Metabolism Research and Reviews</i> , 2011, 27, 942-945.	1.7	97

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55	Association of 25-hydroxyvitamin D levels with liver dysfunction and mortality in chronic liver disease. <i>Liver International</i> , 2012, 32, 845-851.	1.9	97
56	Vitamin D and Cardiovascular Disease. <i>Nutrients</i> , 2013, 5, 3005-3021.	1.7	97
57	Evidence for a U-Shaped Relationship Between Prehospital Vitamin D Status and Mortality: A Cohort Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 1461-1469.	1.8	95
58	Hyperparathyroidism in Patients with Primary Aldosteronism: Cross-Sectional and Interventional Data from the GEOH Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E75-E79.	1.8	93
59	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> , 2015, 10, e0136489.	1.1	91
60	Vitamin D supplementation and regulatory T cells in apparently healthy subjects: vitamin D treatment for autoimmune diseases?. <i>Israel Medical Association Journal</i> , 2010, 12, 136-9.	0.1	90
61	MECHANISMS IN ENDOCRINOLOGY: The endocrine role of the skeleton: background and clinical evidence. <i>European Journal of Endocrinology</i> , 2012, 166, 959-967.	1.9	88
62	Tight glycaemic control by an automated algorithm with time-variant sampling in medical ICU patients. <i>Intensive Care Medicine</i> , 2008, 34, 1224-1230.	3.9	87
63	Action of polystyrene nanoparticles of different sizes on lysosomal function and integrity. <i>Particle and Fibre Toxicology</i> , 2012, 9, 26.	2.8	87
64	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> , 2014, 103, 1945-1948.	1.6	87
65	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> , 2015, 161, 217-224.	1.4	85
66	Anti-interleukin-21 antibody and liraglutide for the preservation of Î²-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> , 2021, 9, 212-224.	5.5	85
67	Evaluation of the Impact of Chiropodist Care in the Secondary Prevention of Foot Ulcerations in Diabetic Subjects. <i>Diabetes Care</i> , 2003, 26, 1691-1695.	4.3	84
68	Exome Sequencing Identifies a REEP1 Mutation Involved in Distal Hereditary Motor Neuropathy Type V. <i>American Journal of Human Genetics</i> , 2012, 91, 139-145.	2.6	83
69	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> , 2013, 33, 515-521.	1.1	81
70	Accuracy and Reliability of Continuous Glucose Monitoring Systems: A Head-to-Head Comparison. <i>Diabetes Technology and Therapeutics</i> , 2013, 15, 721-726.	2.4	70
71	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> , 2023, 17, 1226-1242.	1.3	69
72	Association of FTO gene with hyperandrogenemia and metabolic parameters in women with polycystic ovary syndrome. <i>Metabolism: Clinical and Experimental</i> , 2010, 59, 575-580.	1.5	68

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73	Adipose tissue, inflammation and cardiovascular disease. Revista Da Associação Médica Brasileira, 2010, 56, 116-121.	0.3	68
74	Open Flow Microperfusion as a Dermal Pharmacokinetic Approach to Evaluate Topical Bioequivalence. Clinical Pharmacokinetics, 2017, 56, 91-98.	1.6	67
75	Epidemiology of vitamin D insufficiency and cancer mortality. Anticancer Research, 2009, 29, 3699-704.	0.5	67
76	Polyamines in biological samples: Rapid and robust quantification by solid-phase extraction online-coupled to liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2014, 1331, 44-51.	1.8	65
77	Further evidence for genetic heterogeneity of distal HMN type V, CMT2 with predominant hand involvement and Silver syndrome. Journal of the Neurological Sciences, 2007, 263, 100-106.	0.3	64
78	Fibulin-5 mutations link inherited neuropathies, age-related macular degeneration and hyperelastic skin. Brain, 2011, 134, 1839-1852.	3.7	64
79	High-dose cholecalciferol supplementation significantly increases peripheral CD4+ Tregs in healthy adults without negatively affecting the frequency of other immune cells. European Journal of Nutrition, 2014, 53, 751-759.	1.8	63
80	Dietary spermidine for lowering high blood pressure. Autophagy, 2017, 13, 767-769.	4.3	63
81	LC/MS/MS Method for Quantitative Determination of Long-Chain Fatty Acyl-CoAs. Analytical Chemistry, 2005, 77, 2889-2894.	3.2	62
82	The Lipid Accumulation Product Is Associated with Impaired Glucose Tolerance in PCOS Women. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E986-E990.	1.8	62
83	MECHANISMS IN ENDOCRINOLOGY: Thyroid and polycystic ovary syndrome. European Journal of Endocrinology, 2015, 172, R9-R21.	1.9	61
84	Comparative evaluation of three assay systems for automated determination of hemoglobin A1c. Clinical Chemistry, 1997, 43, 511-517.	1.5	58
85	Design of DEVOTE (Trial Comparing Cardiovascular Safety of Insulin Degludec vs Insulin Glargine in) Tj ETQq1 1 0.784314 rgBT /Overl Journal, 2016, 179, 175-183.	1.2	58
86	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. Diabetologia, 2020, 63, 698-710.	2.9	58
87	Recent advances in hereditary sensory and autonomic neuropathies. Current Opinion in Neurology, 2006, 19, 474-480.	1.8	56
88	Cytotoxicity of nanoparticles is influenced by size, proliferation and embryonic origin of the cells used for testing. Nanotoxicology, 2012, 6, 424-439.	1.6	53
89	Accumulation of Basic Amino Acids at Mitochondria Dictates the Cytotoxicity of Aberrant Ubiquitin. Cell Reports, 2015, 10, 1557-1571.	2.9	52
90	Validated Comprehensive Analytical Method for Quantification of Coenzyme A Activated Compounds in Biological Tissues by Online Solid-Phase Extraction LC/MS/MS. Analytical Chemistry, 2008, 80, 5736-5742.	3.2	51

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91	Subcutaneous adipose tissue topography and metabolic disturbances in polycystic ovary syndrome. <i>Wiener Klinische Wochenschrift</i> , 2009, 121, 262-269.	1.0	51
92	Young Children Have Higher Variability of Insulin Requirements: Observations During Hybrid Closed-Loop Insulin Delivery. <i>Diabetes Care</i> , 2019, 42, 1344-1347.	4.3	51
93	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> , 2014, 9, e98143.	1.1	51
94	An Untargeted Metabolomics Approach to Characterize Short-Term and Long-Term Metabolic Changes after Bariatric Surgery. <i>PLoS ONE</i> , 2016, 11, e0161425.	1.1	51
95	Short-acting insulin analogues versus regular human insulin for adults with type 1 diabetes mellitus. <i>The Cochrane Library</i> , 2019, 2019, CD012161.	1.5	50
96	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> , 2005, 289, E296-E300.	1.8	49
97	Fatty liver index in polycystic ovary syndrome. <i>European Journal of Endocrinology</i> , 2011, 165, 935-943.	1.9	49
98	Variability of Insulin Requirements Over 12 Weeks of Closed-Loop Insulin Delivery in Adults With Type 1 Diabetes. <i>Diabetes Care</i> , 2016, 39, 830-832.	4.3	49
99	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> , 2017, 19, 49-60.	2.4	49
100	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> , 2018, 41, 1926-1937.	4.3	49
101	Subcutaneous adipose tissue exerts proinflammatory cytokines after minimal trauma in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E690-E696.	1.8	47
102	Clinical Evaluation of Alternative-Site Glucose Measurements in Patients After Major Cardiac Surgery. <i>Diabetes Care</i> , 2006, 29, 1275-1281.	4.3	46
103	Attitudes Towards Insulin Pump Therapy Among Adolescents and Young People. <i>Diabetes Technology and Therapeutics</i> , 2010, 12, 89-94.	2.4	45
104	<i>Lactobacillus casei</i> Shirota Supplementation Does Not Restore Gut Microbiota Composition and Gut Barrier in Metabolic Syndrome: A Randomized Pilot Study. <i>PLoS ONE</i> , 2015, 10, e0141399.	1.1	45
105	Accuracy of Continuous Glucose Monitoring (CGM) during Continuous and High-Intensity Interval Exercise in Patients with Type 1 Diabetes Mellitus. <i>Nutrients</i> , 2016, 8, 489.	1.7	45
106	Effects of vitamin D supplementation on metabolic and endocrine parameters in PCOS: a randomized-controlled trial. <i>European Journal of Nutrition</i> , 2019, 58, 2019-2028.	1.8	43
107	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. , 2000, 12, 231-239.		42
108	Apheresis affects bone and mineral metabolism. <i>Bone</i> , 2010, 46, 789-795.	1.4	42

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109	Vitamin D and Mortality: A Mendelian Randomization Study. <i>Clinical Chemistry</i> , 2013, 59, 793-797.	1.5	42
110	Acetyl-coenzyme A. <i>Autophagy</i> , 2014, 10, 1335-1337.	4.3	42
111	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> , 2015, 17, 685-692.	2.4	42
112	Fiber-optic flow-through sensor for online monitoring of glucose. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 1293-1302.	1.9	41
113	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> , 2012, 81, 635-641.	2.0	40
114	Use of Complementary and Alternative Medicine Supplements in Patients with Diabetes Mellitus. <i>Annals of Nutrition and Metabolism</i> , 2011, 58, 101-108.	1.0	39
115	Effects of Vitamin D Supplementation on Bone Turnover Markers: A Randomized Controlled Trial. <i>Nutrients</i> , 2017, 9, 432.	1.7	39
116	Complete and partial agenesis of the dorsal pancreas within one family. <i>Gastrointestinal Endoscopy</i> , 1995, 42, 485-487.	0.5	38
117	Estimating percentage total body fat and determining subcutaneous adipose tissue distribution with a new noninvasive optical device LIPOMETER. , 2000, 12, 221-230.		37
118	Evaluation of ring-opening metathesis polymerization (ROMP)-derived monolithic capillary high performance liquid chromatography columns. <i>Journal of Chromatography A</i> , 2005, 1090, 81-89.	1.8	37
119	Dasiglucagonâ€”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> , 2021, 44, 1361-1367.	4.3	37
120	Ring-opening metathesis polymerization-derived monolithic capillary columns for high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2008, 1191, 274-281.	1.8	36
121	In vivo evaluation of a chip based near infrared sensor for continuous glucose monitoring. <i>Biosensors and Bioelectronics</i> , 2014, 53, 99-104.	5.3	36
122	Taking a Closer Lookâ€”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> , 2015, 17, 611-618.	2.4	36
123	Vitamin D supplementation and lipoprotein metabolism: A randomized controlled trial. <i>Journal of Clinical Lipidology</i> , 2018, 12, 588-596.e4.	0.6	36
124	Assessment of transcapillary glucose exchange in human skeletal muscle and adipose tissue. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 285, E241-E251.	1.8	35
125	Mutations at Ser331 in the HSN type I gene SPTLC1 are associated with a distinct syndromic phenotype. <i>European Journal of Medical Genetics</i> , 2013, 56, 266-269.	0.7	35
126	Glucagon-Like Peptide-1 Receptor Agonism Improves Nephrotoxic Serum Nephritis by Inhibiting T-Cell Proliferation. <i>American Journal of Pathology</i> , 2020, 190, 400-411.	1.9	35



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127	Poly(cyclooctene)-based monolithic columns for capillary high performance liquid chromatography prepared via ring-opening metathesis polymerization. <i>Journal of Chromatography A</i> , 2006, 1132, 124-131.	1.8	34
128	Cerebral open flow microperfusion: A new <i>in vivo</i> technique for continuous measurement of substance transport across the intact blood-brain barrier. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2013, 40, 864-871.	0.9	34
129	The Salivary Microbiome in Polycystic Ovary Syndrome (PCOS) and Its Association with Disease-Related Parameters: A Pilot Study. <i>Frontiers in Microbiology</i> , 2016, 7, 1270.	1.5	34
130	Accuracy of Continuous Glucose Monitoring During Three Closed-Loop Home Studies Under Free-Living Conditions. <i>Diabetes Technology and Therapeutics</i> , 2015, 17, 801-807.	2.4	33
131	Effects of Vitamin D Supplementation on IGF-1 and Calcitriol: A Randomized-Controlled Trial. <i>Nutrients</i> , 2017, 9, 623.	1.7	33
132	Comparison of the Effects of Three Insulinotropic Drugs on Plasma Insulin Levels After a Standard Meal. <i>Diabetes Care</i> , 2002, 25, 1271-1276.	4.3	32
133	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> , 2015, 17, 742-750.	2.2	32
134	Importance of kynurenine in pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 313, L741-L751.	1.3	31
135	Differences of subcutaneous adipose tissue topography in type-2 diabetic (NIDDM) women and healthy controls. <i>American Journal of Physical Anthropology</i> , 2000, 113, 381-388.	2.1	29
136	Spermidine promotes mating and fertilization efficiency in model organisms. <i>Cell Cycle</i> , 2013, 12, 346-352.	1.3	29
137	Towards Personalization of Diabetes Therapy Using Computerized Decision Support and Machine Learning: Some Open Problems and Challenges. <i>Lecture Notes in Computer Science</i> , 2015, , 237-260.	1.0	29
138	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> , 2018, 99, 2457-2464.e4.	0.5	29
139	Opposing Roles of Prostaglandin D2 Receptors in Ulcerative Colitis. <i>Journal of Immunology</i> , 2014, 193, 827-839.	0.4	28
140	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> , 2014, 31, 47-53.	1.3	28
141	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> , 2014, 57, 40-49.	2.9	28
142	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> , 2018, 20, 1615-1622.	2.2	28
143	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> , 2012, 12, 27.	0.9	27
144	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> , 2012, 14, 690-695.	2.4	27

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145	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> , 2016, 90, 58-67.	1.6	27
146	Systematic in vivo evaluation of the time-dependent inflammatory response to steel and Teflon insulin infusion catheters. <i>Scientific Reports</i> , 2018, 8, 1132.	1.6	27
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