

Peter Diem

List of Publications by Year in descending order

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75
papers

5,878
citations

109321

35
h-index

85541

71
g-index

78
all docs

78
docs citations

78
times ranked

6737
citing authors

#	ARTICLE	IF	CITATIONS
1	Standardization process of continuous glucose monitoring: Traceability and performance. <i>Clinica Chimica Acta</i> , 2021, 515, 5-12.	1.1	34
2	HbA1c-testing: Evaluation of two point-of-care analysers. <i>Primary Care Diabetes</i> , 2019, 13, 583-587.	1.8	4
3	A Dual Mode Adaptive Basal-Bolus Advisor Based on Reinforcement Learning. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 2633-2641.	6.3	34
4	National public health system responses to diabetes and other important noncommunicable diseases. <i>Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz</i> , 2018, 61, 1300-1306.	7.2	3
5	Carbohydrate Estimation Supported by the GoCARB System in Individuals With Type 1 Diabetes: A Randomized Prospective Pilot Study. <i>Diabetes Care</i> , 2017, 40, e6-e7.	8.6	29
6	Model-Free Machine Learning in Biomedicine: Feasibility Study in Type 1 Diabetes. <i>PLoS ONE</i> , 2016, 11, e0158722.	2.5	42
7	Carbohydrate Estimation by a Mobile Phone-Based System Versus Self-Estimations of Individuals With Type 1 Diabetes Mellitus: A Comparative Study. <i>Journal of Medical Internet Research</i> , 2016, 18, e101.	4.3	79
8	GoCARB in the Context of an Artificial Pancreas. <i>Journal of Diabetes Science and Technology</i> , 2015, 9, 549-555.	2.2	14
9	Computer Vision-Based Carbohydrate Estimation for Type 1 Patients With Diabetes Using Smartphones. <i>Journal of Diabetes Science and Technology</i> , 2015, 9, 507-515.	2.2	71
10	Estimating the prevalence of comorbid conditions and their effect on health care costs in patients with diabetes mellitus in Switzerland. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2014, 7, 455.	2.4	27
11	The Role of Self-Monitoring of Blood Glucose in Patients Treated With SGLT-2 Inhibitors. <i>Journal of Diabetes Science and Technology</i> , 2014, 8, 783-790.	2.2	0
12	Multi-model data fusion to improve an early warning system for hypo-/hyperglycemic events. , 2014, 2014, 4843-6.		13
13	The effect of a single 2h bout of aerobic exercise on ectopic lipids in skeletal muscle, liver and the myocardium. <i>Diabetologia</i> , 2014, 57, 1001-1005.	6.3	33
14	A Food Recognition System for Diabetic Patients Based on an Optimized Bag-of-Features Model. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2014, 18, 1261-1271.	6.3	179
15	Adaptive Algorithms for Personalized Diabetes Treatment. <i>Lecture Notes in Bioengineering</i> , 2014, , 91-116.	0.4	2
16	An Actor-Critic based controller for glucose regulation in type 1 diabetes. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 109, 116-125.	4.7	34
17	Segmentation and recognition of multi-food meal images for carbohydrate counting. , 2013, , .		38
18	Role of diuretics, Å blockers, and statins in increasing the risk of diabetes in patients with impaired glucose tolerance: reanalysis of data from the NAVIGATOR study. <i>BMJ, The</i> , 2013, 347, f6745-f6745.	6.0	72

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19	Self-Monitoring of Blood Glucose in Type 2 Diabetes: Recent Studies. <i>Journal of Diabetes Science and Technology</i> , 2013, 7, 478-488.	2.2	67
20	An Early Warning System for Hypoglycemic/Hyperglycemic Events Based on Fusion of Adaptive Prediction Models. <i>Journal of Diabetes Science and Technology</i> , 2013, 7, 689-698.	2.2	43
21	Personalized tuning of a reinforcement learning control algorithm for glucose regulation. , 2013, 2013, 3487-90.		15
22	The Effect of Aerobic Exercise on Intrahepatocellular and Intramyocellular Lipids in Healthy Subjects. <i>PLoS ONE</i> , 2013, 8, e70865.	2.5	39
23	The Role of Self-Monitoring of Blood Glucose in Glucagon-like Peptide-1-Based Treatment Approaches: A European Expert Recommendation. <i>Journal of Diabetes Science and Technology</i> , 2012, 6, 665-673.	2.2	12
24	Real-Time Adaptive Models for the Personalized Prediction of Glycemic Profile in Type 1 Diabetes Patients. <i>Diabetes Technology and Therapeutics</i> , 2012, 14, 168-174.	4.4	62
25	Reimbursement for Continuous Glucose Monitoring: A European View. <i>Journal of Diabetes Science and Technology</i> , 2012, 6, 1498-1502.	2.2	42
26	Influence of Time Point of Calibration on Accuracy of Continuous Glucose Monitoring in Individuals with Type 1 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2012, 14, 583-588.	4.4	12
27	Assessment of three frequently used blood glucose monitoring devices in clinical routine. <i>Swiss Medical Weekly</i> , 2012, 142, w13631.	1.6	13
28	Sensor-augmented pump therapy lowers HbA1c in suboptimally controlled Type 1 diabetes; a randomized controlled trial. <i>Diabetic Medicine</i> , 2011, 28, 1158-1167.	2.3	151
29	Addressing Schemes of Self-Monitoring of Blood Glucose in Type 2 Diabetes: A European Perspective and Expert Recommendation. <i>Diabetes Technology and Therapeutics</i> , 2011, 13, 959-965.	4.4	45
30	The effect of GH replacement therapy on different fat compartments: a whole-body magnetic resonance imaging study. <i>European Journal of Endocrinology</i> , 2011, 164, 23-29.	3.7	12
31	Mobile phone technologies and advanced data analysis towards the enhancement of diabetes self-management. <i>International Journal of Electronic Healthcare</i> , 2010, 5, 386.	0.3	37
32	Effect of Valsartan on the Incidence of Diabetes and Cardiovascular Events. <i>New England Journal of Medicine</i> , 2010, 362, 1477-1490.	27.0	588
33	Effect of Growth Hormone (GH) on Fasting and Postprandial Metabolism in GH Deficiency. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2010, 118, 596-601.	1.2	4
34	Effect of Nateglinide on the Incidence of Diabetes and Cardiovascular Events. <i>New England Journal of Medicine</i> , 2010, 362, 1463-1476.	27.0	430
35	Self-monitoring of blood glucose in non-insulin treated patients with type 2 diabetes: a systematic review and meta-analysis. <i>Current Medical Research and Opinion</i> , 2009, 25, 2903-2913.	1.9	92
36	A reduction in severe hypoglycaemia in type 1 diabetes in a randomized crossover study of continuous intraperitoneal compared with subcutaneous insulin infusion. <i>Diabetes, Obesity and Metabolism</i> , 2009, 11, 1001-1008.	4.4	73

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37	Variability in cross-reactivity of novel insulin analogues in immunometric insulin assays. <i>Diabetic Medicine</i> , 2009, 26, 1075-1076.	2.3	8
38	Metabolic syndrome and alanine aminotransferase: a global perspective from the NAVIGATOR screening population. <i>Diabetic Medicine</i> , 2009, 26, 1204-1211.	2.3	12
39	Fuel metabolism during exercise in euglycaemia and hyperglycaemia in patients with type 1 diabetes mellitus—a prospective single-blinded randomised crossover trial. <i>Diabetologia</i> , 2008, 51, 1457-1465.	6.3	77
40	Effect of GH on human skeletal muscle lipid metabolism in GH deficiency. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 294, E1127-E1134.	3.5	22
41	Drug eluting and bare metal stents in people with and without diabetes: collaborative network meta-analysis. <i>BMJ: British Medical Journal</i> , 2008, 337, a1331-a1331.	2.3	270
42	Comparative effects of rosiglitazone and pioglitazone on fasting and postprandial low-density lipoprotein size and subclasses in patients with Type 2 diabetes. <i>Expert Opinion on Pharmacotherapy</i> , 2008, 9, 343-349.	1.8	62
43	Association of 1,5-Anhydroglucitol and 2-h Postprandial Blood Glucose in Type 2 Diabetic Patients. <i>Diabetes Care</i> , 2008, 31, 1534-1535.	8.6	71
44	Dehydroepiandrosterone Sulfate in the Assessment of the Hypothalamic-Pituitary-Adrenal Axis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 539-542.	3.6	40
45	Activation of Electrical Triggers of Atrial Fibrillation in Hyperthyroidism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 2104-2108.	3.6	51
46	Outcomes associated with drug-eluting and bare-metal stents: a collaborative network meta-analysis. <i>Lancet, The</i> , 2007, 370, 937-948.	13.7	1,329
47	Differential effect of pioglitazone (PGZ) and rosiglitazone (RGZ) on postprandial glucose and lipid metabolism in patients with type 2 diabetes mellitus: a prospective, randomized crossover study. <i>Diabetes/Metabolism Research and Reviews</i> , 2007, 23, 392-399.	4.0	50
48	Fibrates in the prevention of cardiovascular disease in patients with type 2 diabetes mellitus: meta-analysis of randomised controlled trials. <i>Current Medical Research and Opinion</i> , 2006, 22, 617-623.	1.9	21
49	Glycemic control and macrovascular disease in types 1 and 2 diabetes mellitus: Meta-analysis of randomized trials. <i>American Heart Journal</i> , 2006, 152, 27-38.	2.7	413
50	Apolipoprotein B as a long-term predictor of mortality in type 1 diabetes mellitus: a 15-year follow up. <i>Journal of Internal Medicine</i> , 2006, 260, 272-280.	6.0	18
51	Intramyocellular lipid stores increase markedly in athletes after 1.5 days lipid supplementation and are utilized during exercise in proportion to their content. <i>European Journal of Applied Physiology</i> , 2006, 98, 341-354.	2.5	33
52	QTc interval and resting heart rate as long-term predictors of mortality in type 1 and type 2 diabetes mellitus: a 23-year follow-up. <i>Diabetologia</i> , 2006, 50, 186-194.	6.3	85
53	Exercise capacity in subjects with type 1 diabetes mellitus in eu- and hyperglycaemia. <i>Diabetes/Metabolism Research and Reviews</i> , 2006, 22, 300-306.	4.0	36
54	The effect of increased lipid intake on hormonal responses during aerobic exercise in endurance-trained men. <i>European Journal of Endocrinology</i> , 2006, 154, 397-403.	3.7	51

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55	Treatment outcomes and mortality of 94 patients with acromegaly. <i>Acta Neurochirurgica</i> , 2005, 147, 243-251.	1.7	61
56	Sitosterolaemia in Switzerland: molecular genetics links the US Amish-Mennonites to their European roots. <i>Clinical Genetics</i> , 2005, 68, 174-178.	2.0	13
57	Clinical Performance of a Continuous Viscometric Affinity Sensor for Glucose. <i>Diabetes Technology and Therapeutics</i> , 2004, 6, 790-799.	4.4	24
58	Agreement between HbA1c measured by DCA 2000 and by HPLC: Effects of fetal hemoglobin concentrations. <i>Archives of Medical Research</i> , 2004, 35, 145-149.	3.3	8
59	Influence of Diet on the Response of GH-IGF-I Axis and Ghrelin Secretion during Endurance Exercise in Trained Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, S218-S219.	0.4	0
60	Effects of alcohol consumption on mortality in patients with Type 2 diabetes mellitus. <i>Diabetologia</i> , 2003, 46, 1581-1585.	6.3	39
61	Microalbuminuria in diabetes mellitus Efficacy of a new screening method in comparison with timed overnight urine collection. <i>Journal of Diabetes and Its Complications</i> , 2003, 17, 254-257.	2.3	32
62	Diagnosis of diabetic autonomic neuropathy: a multivariate approach. <i>European Journal of Clinical Investigation</i> , 2003, 33, 693-697.	3.4	9
63	Postexercise fat intake repletes intramyocellular lipids but no faster in trained than in sedentary subjects. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 281, R760-R769.	1.8	122
64	Masson's papillary endothelial hyperplasia mimicking a poorly differentiated thyroid carcinoma: a case report. <i>European Journal of Endocrinology</i> , 2001, 145, 667-668.	3.7	2
65	Growth hormone regulates growth hormone receptor gene transcription in primary human thyroid cells. <i>Molecular and Cellular Endocrinology</i> , 2000, 166, 111-119.	3.2	5
66	No Increase of IDDM Incidence Among Swiss Military Conscripts. <i>Diabetes Care</i> , 1995, 18, 1399-1399.	8.6	0
67	Fetal haemoglobin levels in adult Type 1 (insulin-dependent) diabetic patients. <i>Diabetologia</i> , 1993, 36, 129-132.	6.3	13
68	Human Versus Porcine Insulin Gone Wrong. <i>Diabetes Care</i> , 1992, 15, 585-586.	8.6	4
69	Pancreatic endocrine function in cystic fibrosis. <i>Journal of Pediatrics</i> , 1991, 118, 715-723.	1.8	175
70	Preventive effects of octreotide (SMS 201â€995) on diabetic ketogenesis during insulin withdrawal.. <i>British Journal of Clinical Pharmacology</i> , 1991, 32, 563-567.	2.4	10
71	Secretion and Degradation of Glucagon by HIT Cells*. <i>Endocrinology</i> , 1990, 127, 1609-1612.	2.8	12
72	Cheese turner's hypoglycemia. <i>Lancet</i> , The, 1990, 335, 421.	13.7	13

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73	Glucagon, catecholamine and pancreatic polypeptide secretion in type I diabetic recipients of pancreas allografts.. Journal of Clinical Investigation, 1990, 86, 2008-2013.	8.2	120
74	Systemic venous drainage of pancreas allografts as independent cause of hyperinsulinemia in type I diabetic recipients. Diabetes, 1990, 39, 534-540.	0.6	67
75	Congenital ?histiocytoid? cardiomyopathy: Evidence suggesting a developmental disorder of the purkinje cell system of the heart. Virchows Archiv A, Pathological Anatomy and Histology, 1982, 396, 187-195.	1.3	51