

Brigitte I Frohnert

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,363
citations

236612

25
h-index

223531

46
g-index

53
all docs

53
docs citations

53
times ranked

3123
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of a Functional Peroxisome Proliferator-responsive Element in the Murine Fatty Acid Transport Protein Gene. <i>Journal of Biological Chemistry</i> , 1999, 274, 3970-3977.	1.6	234
2	The Fatty Acid Transport Protein (FATP1) Is a Very Long Chain Acyl-CoA Synthetase. <i>Journal of Biological Chemistry</i> , 1999, 274, 36300-36304.	1.6	209
3	Tutorial: best practices and considerations for mass-spectrometry-based protein biomarker discovery and validation. <i>Nature Protocols</i> , 2021, 16, 3737-3760.	5.5	110
4	Increased Adipose Protein Carbonylation in Human Obesity. <i>Obesity</i> , 2011, 19, 1735-1741.	1.5	106
5	Six months of hybrid closed loop in the real world: An evaluation of children and young adults using the 670G system. <i>Pediatric Diabetes</i> , 2020, 21, 310-318.	1.2	106
6	Genetic scores to stratify risk of developing multiple islet autoantibodies and type 1 diabetes: A prospective study in children. <i>PLoS Medicine</i> , 2018, 15, e1002548.	3.9	101
7	Oral glucose tolerance testing in children with cystic fibrosis. <i>Pediatric Diabetes</i> , 2010, 11, 487-492.	1.2	93
8	Relation Between Serum Free Fatty Acids and Adiposity, Insulin Resistance, and Cardiovascular Risk Factors From Adolescence to Adulthood. <i>Diabetes</i> , 2013, 62, 3163-3169.	0.3	86
9	Protein Carbonylation, Mitochondrial Dysfunction, and Insulin Resistance. <i>Advances in Nutrition</i> , 2013, 4, 157-163.	2.9	82
10	Predicting Islet Cell Autoimmunity and Type 1 Diabetes: An 8-Year TEDDY Study Progress Report. <i>Diabetes Care</i> , 2019, 42, 1051-1060.	4.3	75
11	Plasma 25-Hydroxyvitamin D Concentration and Risk of Islet Autoimmunity. <i>Diabetes</i> , 2018, 67, 146-154.	0.3	72
12	Regulation of fatty acid transporters in mammalian cells. <i>Progress in Lipid Research</i> , 2000, 39, 83-107.	5.3	69
13	Identification and treatment of metabolic complications in pediatric obesity. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2009, 10, 167-188.	2.6	53
14	Cost and Cost-effectiveness of Large-scale Screening for Type 1 Diabetes in Colorado. <i>Diabetes Care</i> , 2020, 43, 1496-1503.	4.3	53
15	Glutathionylated Lipid Aldehydes Are Products of Adipocyte Oxidative Stress and Activators of Macrophage Inflammation. <i>Diabetes</i> , 2014, 63, 89-100.	0.3	52
16	Early Infant Diet and Islet Autoimmunity in the TEDDY Study. <i>Diabetes Care</i> , 2018, 41, 522-530.	4.3	48
17	Characterization of the Murine Fatty Acid Transport Protein Gene and Its Insulin Response Sequence. <i>Journal of Biological Chemistry</i> , 1998, 273, 27420-27429.	1.6	46
18	Identification of non-HLA genes associated with development of islet autoimmunity and type 1 diabetes in the prospective TEDDY cohort. <i>Journal of Autoimmunity</i> , 2018, 89, 90-100.	3.0	46

#	ARTICLE	IF	CITATIONS
19	Longitudinal DNA methylation differences precede type 1 diabetes. <i>Scientific Reports</i> , 2020, 10, 3721.	1.6	37
20	DPVis: Visual Analytics With Hidden Markov Models for Disease Progression Pathways. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2021, 27, 3685-3700.	2.9	35
21	Impaired Fasting Glucose in Cystic Fibrosis. <i>Diabetes Care</i> , 2010, 33, 2660-2664.	4.3	33
22	Metabolomics in childhood diabetes. <i>Pediatric Diabetes</i> , 2016, 17, 3-14.	1.2	32
23	Increased inflammation is associated with islet autoimmunity and type 1 diabetes in the Diabetes Autoimmunity Study in the Young (DAISY). <i>PLoS ONE</i> , 2017, 12, e0174840.	1.1	32
24	Predictors of slow progression to diabetes in children with multiple islet autoantibodies. <i>Journal of Autoimmunity</i> , 2016, 72, 113-117.	3.0	30
25	Longitudinal Metabolome-Wide Signals Prior to the Appearance of a First Islet Autoantibody in Children Participating in the TEDDY Study. <i>Diabetes</i> , 2020, 69, 465-476.	0.3	30
26	Continuous Glucose Monitoring Predicts Progression to Diabetes in Autoantibody Positive Children. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 3337-3344.	1.8	29
27	Distinct Growth Phases in Early Life Associated With the Risk of Type 1 Diabetes: The TEDDY Study. <i>Diabetes Care</i> , 2020, 43, 556-562.	4.3	28
28	Mass Screening for Celiac Disease: The Autoimmunity Screening for Kids Study. <i>American Journal of Gastroenterology</i> , 2021, 116, 180-187.	0.2	28
29	Islet Autoimmunity and HLA Markers of Presymptomatic and Clinical Type 1 Diabetes: Joint Analyses of Prospective Cohort Studies in Finland, Germany, Sweden, and the U.S.. <i>Diabetes Care</i> , 2021, 44, 2269-2276.	4.3	27
30	No Relation Between Cystic Fibrosis-Related Diabetes and Type 1 Diabetes Autoimmunity. <i>Diabetes Care</i> , 2012, 35, e57-e57.	4.3	26
31	Roux-en-Y Gastric Bypass Acutely Decreases Protein Carbonylation and Increases Expression of Mitochondrial Biogenesis Genes in Subcutaneous Adipose Tissue. <i>Obesity Surgery</i> , 2015, 25, 2376-2385.	1.1	26
32	Predictive Modeling of Type 1 Diabetes Stages Using Disparate Data Sources. <i>Diabetes</i> , 2020, 69, 238-248.	0.3	26
33	Reduced Bone Mineral Density Is Associated with Celiac Disease Autoimmunity in Children with Type 1 Diabetes. <i>Journal of Pediatrics</i> , 2016, 169, 44-48.e1.	0.9	25
34	Bone Mineral Density across the Lifespan in Patients with Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 746-753.	1.8	25
35	Prediction of the development of islet autoantibodies through integration of environmental, genetic, and metabolic markers. <i>Journal of Diabetes</i> , 2021, 13, 143-153.	0.8	25
36	CGM Metrics Predict Imminent Progression to Type 1 Diabetes: Autoimmunity Screening for Kids (ASK) Study. <i>Diabetes Care</i> , 2022, 45, 365-371.	4.3	25

#	ARTICLE	IF	CITATIONS
37	An Age-Related Exponential Decline in the Risk of Multiple Islet Autoantibody Seroconversion During Childhood. <i>Diabetes Care</i> , 2021, 44, 2260-2268.	4.3	23
38	Progression from islet autoimmunity to clinical type 1 diabetes is influenced by genetic factors: results from the prospective TEDDY study. <i>Journal of Medical Genetics</i> , 2019, 56, 602-605.	1.5	22
39	Prediction of type 1 diabetes using a genetic risk model in the Diabetes Autoimmunity Study in the Young. <i>Pediatric Diabetes</i> , 2018, 19, 277-283.	1.2	19
40	Late-onset islet autoimmunity in childhood: the Diabetes Autoimmunity Study in the Young (DAISY). <i>Diabetologia</i> , 2017, 60, 998-1006.	2.9	18
41	Predicting progression to diabetes in islet autoantibody positive children. <i>Journal of Autoimmunity</i> , 2018, 90, 59-63.	3.0	17
42	Higher daily physical activity is associated with higher osteocalcin levels in adolescents. <i>Preventive Medicine Reports</i> , 2015, 2, 568-571.	0.8	16
43	Progression of type 1 diabetes from latency to symptomatic disease is predicted by distinct autoimmune trajectories. <i>Nature Communications</i> , 2022, 13, 1514.	5.8	16
44	The oxylipin profile is associated with development of type 1 diabetes: the Diabetes Autoimmunity Study in the Young (DAISY). <i>Diabetologia</i> , 2021, 64, 1785-1794.	2.9	15
45	Glutathionylated products of lipid peroxidation. <i>Adipocyte</i> , 2014, 3, 224-229.	1.3	14
46	Integration of Infant Metabolite, Genetic, and Islet Autoimmunity Signatures to Predict Type 1 Diabetes by Age 6 Years. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 2329-2338.	1.8	10
47	Islet Autoantibody Type-Specific Titer Thresholds Improve Stratification of Risk of Progression to Type 1 Diabetes in Children. <i>Diabetes Care</i> , 2022, 45, 160-168.	4.3	8
48	Medical management of children with type 1 diabetes on low-carbohydrate or ketogenic diets. <i>Pediatric Diabetes</i> , 2021, 22, 448-454.	1.2	7
49	DNA methylation near the <i>INS</i> gene is associated with <i>INS</i> genetic variation (rs689) and type 1 diabetes in the Diabetes Autoimmunity Study in the Young. <i>Pediatric Diabetes</i> , 2020, 21, 597-605.	1.2	6
50	Novel genetic risk factors influence progression of islet autoimmunity to type 1 diabetes. <i>Scientific Reports</i> , 2020, 10, 19193.	1.6	5
51	ROFI - The Use of Repeated Optimization for Feature Interpretation. , 2016, , .		3
52	Modeling Disease Progression Trajectories from Longitudinal Observational Data. <i>AMIA ... Annual Symposium proceedings</i> , 2020, 2020, 668-676.	0.2	3
53	Change in hemoglobin A1c one year following the 2014 American Diabetes Association guideline update. <i>Diabetes Research and Clinical Practice</i> , 2017, 129, 169-172.	1.1	1