

James M Hempe

List of Publications by Year in descending order

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49
papers

1,772
citations

331670

21
h-index

276875

41
g-index

49
all docs

49
docs citations

49
times ranked

1514
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological Variation in HbA1c Predicts Risk of Retinopathy and Nephropathy in Type 1 Diabetes. <i>Diabetes Care</i> , 2004, 27, 1259-1264.	8.6	222
2	High and low hemoglobin glycation phenotypes in type 1 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2002, 16, 313-320.	2.3	216
3	The Hemoglobin Glycation Index Identifies Subpopulations With Harms or Benefits From Intensive Treatment in the ACCORD Trial. <i>Diabetes Care</i> , 2015, 38, 1067-1074.	8.6	133
4	Mean Blood Glucose and Biological Variation Have Greater Influence on HbA1c Levels Than Glucose Instability: An analysis of data from the Diabetes Control and Complications Trial. <i>Diabetes Care</i> , 2006, 29, 352-355.	8.6	114
5	Cysteine-Rich Intestinal Protein and Intestinal Metallothionein: An Inverse Relationship as a Conceptual Model for Zinc Absorption in Rats. <i>Journal of Nutrition</i> , 1992, 122, 89-95.	2.9	89
6	Racial Disparity in A1C Independent of Mean Blood Glucose in Children With Type 1 Diabetes. <i>Diabetes Care</i> , 2010, 33, 1025-1027.	8.6	88
7	Association between Inflammation and Biological Variation in Hemoglobin A1c in U.S. Nondiabetic Adults. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 2364-2371.	3.6	70
8	Acute and chronic inflammation in pediatric patients receiving hemodialysis. <i>Journal of Pediatrics</i> , 2003, 143, 653-657.	1.8	60
9	Hemoglobin glycation index: a robust measure of hemoglobin A1c bias in pediatric type 1 diabetes patients. <i>Pediatric Diabetes</i> , 2010, 11, 455-461.	2.9	59
10	Capillary isoelectric focusing of hemoglobin variants in the pediatric clinical laboratory. <i>Electrophoresis</i> , 1997, 18, 1785-1795.	2.4	55
11	Predictors of glycemic control in children with Type 1 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2000, 14, 71-77.	2.3	51
12	Skin Intrinsic Fluorescence Is Associated With Hemoglobin A 1c and Hemoglobin Glycation Index but Not Mean Blood Glucose in Children With Type 1 Diabetes. <i>Diabetes Care</i> , 2011, 34, 1816-1820.	8.6	51
13	Estimated Average Glucose and Self-Monitored Mean Blood Glucose Are Discordant Estimates of Glycemic Control. <i>Diabetes Care</i> , 2010, 33, 1449-1451.	8.6	40
14	Separation of hemoglobin variants with similar charge by capillary isoelectric focusing: Value of isoelectric point for identification of common and uncommon hemoglobin variants. <i>Electrophoresis</i> , 2000, 21, 743-748.	2.4	37
15	A comparison of the Glycosylation Gap and Hemoglobin Glycation Index in patients with diabetes. <i>Journal of Diabetes and Its Complications</i> , 2005, 19, 218-222.	2.3	35
16	Advanced glycation end-products in sickle cell anaemia. <i>British Journal of Haematology</i> , 2005, 128, 112-118.	2.5	34
17	Intestinal Metallothionein Gene Expression and Zinc Absorption in Rats Are Zinc-Responsive but Refractory to Dexamethasone and Interleukin 1 β . <i>Journal of Nutrition</i> , 1991, 121, 1389-1396.	2.9	33
18	Economic burden of hypoglycemia in patients with Type 2 diabetes. <i>Expert Review of Pharmacoeconomics and Outcomes Research</i> , 2012, 12, 47-51.	1.4	31

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19	Racial differences in neighborhood disadvantage, inflammation and metabolic control in black and white pediatric type 1 diabetes patients. <i>Pediatric Diabetes</i> , 2017, 18, 120-127.	2.9	31
20	Tracking of blood pressure and its impact on graft function in pediatric renal transplant patients. <i>Pediatric Transplantation</i> , 2007, 11, 860-867.	1.0	26
21	Hemoglobin A ₂ Levels in Healthy Persons, Sickle Cell Disease, Sickle Cell Trait, and β^2 -Thalassemia by Capillary Isoelectric Focusing. <i>American Journal of Clinical Pathology</i> , 1997, 107, 88-91.	0.7	25
22	Implications of the Hemoglobin Glycation Index on the Diagnosis of Prediabetes and Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e130-e138.	3.6	22
23	Biological Variation and Hemoglobin A1c: Relevance to Diabetes Management and Complications. <i>Pediatric Diabetes</i> , 2013, 14, 391-398.	2.9	18
24	Advanced Glycation Endproducts in Children with Diabetes. <i>Journal of Pediatrics</i> , 2013, 163, 1427-1431.	1.8	17
25	Clinically Significant Disagreement between Mean Blood Glucose and Estimated Average Glucose in Two Populations: Implications for Diabetes Management. <i>Journal of Diabetes Science and Technology</i> , 2009, 3, 1128-1135.	2.2	16
26	Standardizing the haemoglobin glycation index. <i>Endocrinology, Diabetes and Metabolism</i> , 2021, 4, e00299.	2.4	16
27	Genetic variation in mouse beta globin cysteine content modifies glutathione metabolism: implications for the use of mouse models. <i>Experimental Biology and Medicine</i> , 2007, 232, 437-44.	2.4	16
28	Variation in the hemoglobin glycation index. <i>Journal of Diabetes and Its Complications</i> , 2022, 36, 108223.	2.3	16
29	Simultaneous analysis of reduced glutathione and glutathione disulfide by capillary zone electrophoresis. <i>Electrophoresis</i> , 2014, 35, 967-971.	2.4	14
30	Expression of Cysteine-Rich Intestinal Protein in Rat Intestine and Transfected Cells Is Not Zinc Dependent. <i>Journal of Nutrition</i> , 1994, 124, 13-17.	2.9	13
31	Caveats regarding the use of HbA1c for prediction of mean blood glucose. <i>Diabetologia</i> , 2008, 51, 903-904.	6.3	13
32	Characterization of unstable hemoglobin A1c complexes by dynamic capillary isoelectric focusing. <i>Analytical Biochemistry</i> , 2012, 424, 149-155.	2.4	12
33	Differences in Red Blood Cell Indices Do Not Explain Racial Disparity in Hemoglobin A1c in Children with Type 1 Diabetes. <i>Journal of Pediatrics</i> , 2016, 176, 197-199.	1.8	12
34	Labile A1C Is Inversely Correlated With the Hemoglobin Glycation Index in Children With Type 1 Diabetes. <i>Diabetes Care</i> , 2010, 33, 273-274.	8.6	11
35	Laboratory Diagnosis of Structural Hemoglobinopathies and Thalassemias by Capillary Isoelectric Focusing. , 1999, 27, 81-98.		9
36	Two-dimensional analysis of glycated hemoglobin heterogeneity in pediatric type 1 diabetes patients. <i>Analytical Biochemistry</i> , 2013, 442, 205-212.	2.4	9

#	ARTICLE	IF	CITATIONS
37	Associations Between Depressive Symptoms, Fear of Hypoglycemia, Adherence to Management Behaviors and Metabolic Control in Children and Adolescents with Type 1 Diabetes. <i>Journal of Clinical Psychology in Medical Settings</i> , 2020, 27, 385-395.	1.4	9
38	Effect of Transfusion on Hemoglobin Variants in Preterm Infants. <i>Journal of Perinatology</i> , 2000, 20, 355-358.	2.0	8
39	Longitudinal Analysis of Plasma Cytomegalovirus DNA in a Child with Crohn's Disease and Cytomegalovirus Gastroenteritis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 1999, 28, 502-505.	1.8	8
40	Association between <i>Helicobacter felis</i> -Induced Gastritis and Elevated Glycated Hemoglobin Levels in a Mouse Model of Type 1 Diabetes. <i>Journal of Infectious Diseases</i> , 2002, 185, 1463-1467.	4.0	7
41	Response to Comment on Hempe et al. The Hemoglobin Glycation Index Identifies Subpopulations With Harms or Benefits From Intensive Treatment in the ACCORD Trial. <i>Diabetes Care</i> 2015;38:1067-1074. <i>Diabetes Care</i> , 2015, 38, e172-e173.	8.6	5
42	Diagnosis and Characterization of Hb C/Hb IowA: A Rare but Easily Misidentified Compound Heterozygous Condition. <i>Hemoglobin</i> , 2004, 28, 7-13.	0.8	4
43	Analysis of murine S-glutathionyl hemoglobins and beta globin haplotype by dynamic capillary isoelectric focusing. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3462-3466.	2.3	4
44	Comment on: Wilson et al. Persistence of Individual Variations in Glycated Hemoglobin: Analysis of Data From the Juvenile Diabetes Research Foundation Continuous Glucose Monitoring Randomized Trial. <i>Diabetes Care</i> 2011;34:1315-1317. <i>Diabetes Care</i> , 2011, 34, e170-e170.	8.6	4
45	Effect of Long-Term <i>Helicobacter felis</i> Infection in a Mouse Model of Streptozotocin-Induced Diabetes. <i>Helicobacter</i> , 2005, 10, 586-591.	3.5	3
46	Characterization of S-glutathionyl Hemoglobin in Homozygous Sickle Cell Disease. <i>Journal of Pediatric Hematology/Oncology</i> , 2009, 31, 895-900.	0.6	3
47	Clinical Analysis of Structural Hemoglobin Variants and Hb A1c, by Capillary Isoelectric Focusing. , 2001, , 145-163.		3
48	Decreased zinc absorption in guinea pig models of acute and chronic ileitis. <i>Journal of Nutritional Biochemistry</i> , 1995, 6, 534-539.	4.2	0
49	Dna Sequence of Hb IowA. <i>Hemoglobin</i> , 2004, 28, 275-276.	0.8	0