Martin J Hessner

List of Publications by Year
in descending order

48 papers	1,366 citations	361413 20 h-index	345221 36 g-index
48 all docs	48 docs citations	48 times ranked	2248 citing authors

#	Article	IF	Citations
1	Introducing the Endotype Concept to Address the Challenge of Disease Heterogeneity in Type 1 Diabetes. Diabetes Care, 2020, 43, 5-12.	8.6	220
2	Identification of a Molecular Signature in Human Type 1 Diabetes Mellitus Using Serum and Functional Genomics. Journal of Immunology, 2008, 180, 1929-1937.	0.8	107
3	EPCR-dependent PAR2 activation by the blood coagulation initiation complex regulates LPS-triggered interferon responses in mice. Blood, 2015, 125, 2845-2854.	1.4	65
4	Innate inflammation in type 1 diabetes. Translational Research, 2016, 167, 214-227.	5.0	65
5	Evidence of a Functional Role for Mast Cells in the Development of Type 1 Diabetes Mellitus in the BioBreeding Rat. Journal of Immunology, 2006, 177, 7275-7286.	0.8	64
6	Molecular Signatures Differentiate Immune States in Type 1 Diabetic Families. Diabetes, 2014, 63, 3960-3973.	0.6	55
7	Three color cDNA microarrays: quantitative assessment through the use of fluorescein-labeled probes. Nucleic Acids Research, 2003, 31, 14e-14.	14.5	54
8	Interleukinâ€1 antagonism moderates the inflammatory state associated with Type 1 diabetes during clinical trials conducted at disease onset. European Journal of Immunology, 2016, 46, 1030-1046.	2.9	54
9	Involvement of Eotaxin, Eosinophils, and Pancreatic Predisposition in Development of Type 1 Diabetes Mellitus in the BioBreeding Rat. Journal of Immunology, 2004, 173, 6993-7002.	0.8	53
10	Use of a three-color cDNA microarray platform to measure and control support-bound probe for improved data quality and reproducibility. Nucleic Acids Research, 2003, 31, 60e-60.	14.5	48
11	Blood-based signatures in type 1 diabetes. Diabetologia, 2016, 59, 414-425.	6.3	48
12	Circulating Differentially Methylated Amylin DNA as a Biomarker of Î²-Cell Loss in Type 1 Diabetes. PLoS ONE, 2016, 11, e0152662.	2.5	45
13	Identification of a Novel Gene for Diabetic Traits in Rats, Mice, and Humans. Genetics, 2014, 198, 17-29.	2.9	44
14	Alternatively Activated Macrophages Boost Induced Regulatory T and Th17 Cell Responses during Immunotherapy for Colitis. Journal of Immunology, 2016, 196, 3305-3317.	0.8	39
15	Immobilized probe and glass surface chemistry as variables in microarray fabrication. BMC Genomics, 2004, 5, 53.	2.8	35
16	Utilization of a labeled tracking oligonucleotide for visualization and quality control of spotted 70-mer arrays. BMC Genomics, 2004, 5, 12.	2.8	33
17	Innate immune activity as a predictor of persistent insulin secretion and association with responsiveness to CTLA4-Ig treatment in recent-onset type 1 diabetes. Diabetologia, 2018, 61, 2356-2370.	6.3	33
18	Coagulation factor V mediates inhibition of tissue factor signaling by activated protein C in mice. Blood, 2015, 126, 2415-2423.	1.4	28

#	Article	IF	Citations
19	Identification of a Serum-Induced Transcriptional Signature Associated With Type 1 Diabetes in the BioBreeding Rat. Diabetes, 2010, 59, 2375-2385.	0.6	26
20	Modulation of the diet and gastrointestinal microbiota normalizes systemic inflammation and Î²-cell chemokine expression associated with autoimmune diabetes susceptibility. PLoS ONE, 2018, 13, e0190351.	2.5	21
21	Intestinal alkaline phosphatase deficiency leads to dysbiosis and bacterial translocation in the newborn intestine. Journal of Surgical Research, 2017, 218, 35-42.	1.6	20
22	Cystic Fibrosis Plasma Blunts the Immune Response to Bacterial Infection. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 301-311.	2.9	19
23	TGF-Î²1 along with other platelet contents augments Treg cells to suppress anti-FVIII immune responses in hemophilia A mice. Blood Advances, 2016, 1, 139-151.	5.2	18
24	Plasma-Based Inflammatory Signatures in Patients with Sickle Cell Disease during Baseline Health and Acute Pain. Blood, 2020, 136, 25-26.	1.4	18
25	CD4+CD25+CD127hi cell frequency predicts disease progression in type 1 diabetes. JCI Insight, 2021, 6, .	5.0	16
26	A composite immune signature parallels disease progression across T1D subjects. JCI Insight, 2019, 4, .	5.0	15
27	Identification of molecular signatures of cystic fibrosis disease status with plasma-based functional genomics. Physiological Genomics, 2019, 51, 27-41.	2.3	14
28	Probiotic normalization of systemic inflammation in siblings of type 1 diabetes patients: an open-label pilot study. Scientific Reports, 2022, 12, 3306.	3.3	14
29	Lactobacillus plantarum 299v probiotic supplementation in men with stable coronary artery disease suppresses systemic inflammation. Scientific Reports, 2021, 11, 3972.	3.3	11
30	The cohesin-associated protein Wapal is required for proper Polycomb-mediated gene silencing. Epigenetics and Chromatin, 2016, 9, 14.	3.9	10
31	Identification of a serum-induced transcriptional signature associated with metastatic cervical cancer. PLoS ONE, 2017, 12, e0181242.	2.5	10
32	Interleukin 23 Secretion by Donor Antigen Presenting Cells Is Critical for Organ-Specific Pathology in Graft Versus Host Disease. Blood, 2008, 112, 64-64.	1.4	9
33	Increased Expression of Plasma-Induced ABCC1 mRNA in Cystic Fibrosis. International Journal of Molecular Sciences, 2017, 18, 1752.	4.1	8
34	Evaluation of Genomic Evidence for Oxidative Stress in Experimental Radiation Nephropathy. Journal of Genetic Disorders & Genetic Reports, 2013, 02, .	0.1	8
35	Investigation of coordination and order in transcription regulation of innate and adaptive immunity genes in type 1 diabetes. BMC Medical Genomics, 2017, 10, 7.	1.5	7
36	Three-color cDNA microarrays with prehybridization quality control yield gene expression data comparable to that of commercial platforms. Physiological Genomics, 2006, 25, 166-178.	2.3	6

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37	CFTR-mediated monocyte/macrophage dysfunction revealed by cystic fibrosis proband-parent comparisons. JCI Insight, 2022, 7, .	5.0	6
38	Intermittent neonatal hypoxia elicits the upregulation of inflammatory-related genes in adult male rats through long-lasting programming effects. Physiological Reports, 2015, 3, e12646.	1.7	5
39	Longitudinal analysis of hepatic transcriptome and serum metabolome demonstrates altered lipid metabolism following the onset of hyperglycemia in spontaneously diabetic biobreeding rats. PLoS ONE, 2017, 12, e0171372.	2.5	5
40	A Serum-Induced Transcriptome and Serum Cytokine Signature Obtained at Diagnosis Correlates with the Development of Early Pancreatic Ductal Adenocarcinoma Metastasis. Cancer Epidemiology Biomarkers and Prevention, 2019, 28, 680-689.	2.5	2
41	Neutrophil Activation In Sickle Cell Disease: Biochemical and Functional Changes At Baseline and During Acute Vaso-Occlusive Crises. Blood, 2013, 122, 992-992.	1.4	2
42	Blockade of IL-23 Signaling Results in Targeted Protection of the Colon and Allows for Separation of Graft Versus Host and Graft Versus Leukemia Effects.. Blood, 2009, 114, 231-231.	1.4	2
43	The Application of Microarray Analysis to Pediatric Diseases. Pediatric Clinics of North America, 2006, 53, 579-590.	1.8	1
44	Broadening Our Understanding Type 1 Diabetes Heterogeneity by Exploring Effects of Race/Ethnicity on Disease Trajectory. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e4961-e4963.	3.6	1
45	Induction of a Novel Population of CD8+ Foxp3+ Regulatory T Cells During Graft Versus Host Disease. Blood, 2011, 118, 821-821.	1.4	1
46	Effects of Chronic Artificial Sweetener Consumption on Type 1 Diabetes Susceptibility. FASEB Journal, 2020, 34, 1-1.	0.5	1
47	GWAS nominated gene SH2B3 increases cardiac remodeling and inflammation associated with type 1 diabetes (T1D). FASEB Journal, 2012, 26, 1057.25.	0.5	0
48	Cardiometabolic Effects Associated with the Absorption of Intact Nonâ€caloric Artificial Sweeteners. FASEB Journal, 2019, 33, 592.13.	0.5	0