

John T Heiker

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53
papers

1,165
citations

19
h-index

32
g-index

55
ext. papers

1,396
ext. citations

5.8
avg, IF

4.51
L-index

#	Paper	IF	Citations
53	Central vaspin administration acutely reduces food intake and has sustained blood glucose-lowering effects. <i>Diabetologia</i> , 2011 , 54, 1819-23	10.3	102
52	Vaspin inhibits kallikrein 7 by serpin mechanism. <i>Cellular and Molecular Life Sciences</i> , 2013 , 70, 2569-83	10.3	95
51	Molecular mechanisms of signal transduction via adiponectin and adiponectin receptors. <i>Biological Chemistry</i> , 2010 , 391, 1005-18	4.5	74
50	Vaspin (serpinA12) in obesity, insulin resistance, and inflammation. <i>Journal of Peptide Science</i> , 2014 , 20, 299-306	2.1	66
49	Widely Used Commercial ELISA Does Not Detect Precursor of Haptoglobin2, but Recognizes Properdin as a Potential Second Member of the Zonulin Family. <i>Frontiers in Endocrinology</i> , 2018 , 9, 22	5.7	52
48	Dissociation Between Brown Adipose Tissue F-FDG Uptake and Thermogenesis in Uncoupling Protein 1-Deficient Mice. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 1100-1103	8.9	51
47	Extensive weight loss reveals distinct gene expression changes in human subcutaneous and visceral adipose tissue. <i>Scientific Reports</i> , 2015 , 5, 14841	4.9	48
46	Thyroid hormone status defines brown adipose tissue activity and browning of white adipose tissues in mice. <i>Scientific Reports</i> , 2016 , 6, 38124	4.9	48
45	Protein kinase CK2 interacts with adiponectin receptor 1 and participates in adiponectin signaling. <i>Cellular Signalling</i> , 2009 , 21, 936-42	4.9	43
44	Proteolytic activation of prochemerin by kallikrein 7 breaks an ionic linkage and results in C-terminal rearrangement. <i>Biochemical Journal</i> , 2013 , 452, 271-80	3.8	36
43	Thyroid hormones and browning of adipose tissue. <i>Molecular and Cellular Endocrinology</i> , 2017 , 458, 156-159	15.9	34
42	Asborin inhibits Aldo/Keto reductase 1A1. <i>ChemMedChem</i> , 2011 , 6, 89-93	3.7	34
41	Dimerization of adiponectin receptor 1 is inhibited by adiponectin. <i>Journal of Cell Science</i> , 2010 , 123, 1320-8	5.3	34
40	Vaspin suppresses cytokine-induced inflammation in 3T3-L1 adipocytes via inhibition of NF κ B pathway. <i>Molecular and Cellular Endocrinology</i> , 2018 , 460, 181-188	4.4	29
39	Identification of genetic loci associated with different responses to high-fat diet-induced obesity in C57BL/6N and C57BL/6J substrains. <i>Physiological Genomics</i> , 2014 , 46, 377-84	3.6	28
38	A novel thermoregulatory role for PDE10A in mouse and human adipocytes. <i>EMBO Molecular Medicine</i> , 2016 , 8, 796-812	12	27
37	Anti-Inflammatory Action of Keratinocyte-Derived Vaspin: Relevance for the Pathogenesis of Psoriasis. <i>American Journal of Pathology</i> , 2016 , 186, 639-51	5.8	26

36	Localization of novel adiponectin receptor constructs. <i>Journal of Receptor and Signal Transduction Research</i> , 2006 , 26, 647-57	2.6	20
35	Molecular Mechanisms of Vaspin Action - From Adipose Tissue to Skin and Bone, from Blood Vessels to the Brain. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1111, 159-188	3.6	19
34	Liver-restricted Repin1 deficiency improves whole-body insulin sensitivity, alters lipid metabolism, and causes secondary changes in adipose tissue in mice. <i>Diabetes</i> , 2014 , 63, 3295-309	0.9	19
33	Brown adipose tissue (BAT) specific vaspin expression is increased after obesogenic diets and cold exposure and linked to acute changes in DNA-methylation. <i>Molecular Metabolism</i> , 2017 , 6, 482-493	8.8	18
32	Access to gram scale amounts of functional globular adiponectin from E. coli inclusion bodies by alkaline-shock solubilization. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 398, 32-7	3.4	18
31	Ablation of kallikrein 7 (KLK7) in adipose tissue ameliorates metabolic consequences of high-fat diet-induced obesity by counteracting adipose tissue inflammation in vivo. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 727-742	10.3	16
30	Nicotinamide nucleotide transhydrogenase mRNA expression is related to human obesity. <i>Obesity</i> , 2013 , 21, 529-34	8	14
29	The effect of green Mediterranean diet on cardiometabolic risk; a randomised controlled trial. <i>Heart</i> , 2020 ,	5.1	14
28	Blurring the picture in leaky gut research: how shortcomings of zonulin as a biomarker mislead the field of intestinal permeability. <i>Gut</i> , 2021 , 70, 1801-1802	19.2	14
27	The repertoire of Adhesion G protein-coupled receptors in adipocytes and their functional relevance. <i>International Journal of Obesity</i> , 2020 , 44, 2124-2136	5.5	13
26	The polygenetically inherited metabolic syndrome of male WOKW rats is associated with enhanced autophagy in adipose tissue. <i>Diabetology and Metabolic Syndrome</i> , 2013 , 5, 23	5.6	13
25	A unique serpin P1Sglutamate and a conserved Esheet C arginine are key residues for activity, protease recognition and stability of serpinA12 (vaspin). <i>Biochemical Journal</i> , 2015 , 470, 357-67	3.8	13
24	C57BL/6JRj mice are protected against diet induced obesity (DIO). <i>Biochemical and Biophysical Research Communications</i> , 2012 , 417, 717-20	3.4	13
23	Depletion of Jmjd1c impairs adipogenesis in murine 3T3-L1 cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 1709-1717	6.9	12
22	A new p.(Ile66Serfs*93) IGF2 variant is associated with pre- and postnatal growth retardation. <i>European Journal of Endocrinology</i> , 2019 , 180, K1-K13	6.5	12
21	Basic Residues of ESheet A Contribute to Heparin Binding and Activation of Vaspin (Serpin A12). <i>Journal of Biological Chemistry</i> , 2017 , 292, 994-1004	5.4	10
20	Kallikrein-related peptidase 14 is the second KLK protease targeted by the serpin vaspin. <i>Biological Chemistry</i> , 2018 , 399, 1079-1084	4.5	10
19	Adiponectin promotes the migration of circulating angiogenic cells through p38-mediated induction of the CXCR4 receptor. <i>International Journal of Cardiology</i> , 2013 , 167, 2039-46	3.2	10

18	The Effects of Thyroid Hormones on Gene Expression of Acyl-Coenzyme A Thioesterases in Adipose Tissue and Liver of Mice. <i>European Thyroid Journal</i> , 2015 , 4, 59-66	4.2	8
17	Novel Mutations in the Asparagine Synthetase Gene () Associated With Microcephaly. <i>Frontiers in Genetics</i> , 2018 , 9, 245	4.5	8
16	Replication initiator 1 in adipose tissue function and human obesity. <i>Vitamins and Hormones</i> , 2013 , 91, 97-105	2.5	8
15	Alternatives for the worse: Molecular insights into adverse effects of bisphenol a and substitutes during human adipocyte differentiation. <i>Environment International</i> , 2021 , 156, 106730	12.9	8
14	Analysis of a rare functional truncating mutation rs61757459 in vaspin (SERPINA12) on circulating vaspin levels. <i>Journal of Molecular Medicine</i> , 2013 , 91, 1285-92	5.5	6
13	Glycosylation of human vaspin (SERPINA12) and its impact on serpin activity, heparin binding and thermal stability. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017 , 1865, 1188-1194	4	6
12	Crystal structure of cleaved vaspin (serpinA12). <i>Biological Chemistry</i> , 2016 , 397, 111-23	4.5	5
11	Electroactive microorganisms in mouse feces. <i>Electrochimica Acta</i> , 2021 , 365, 137326	6.7	5
10	Membrane Phospholipids and Polyphosphates as Cofactors and Binding Molecules of SERPINA12 (vaspin). <i>Molecules</i> , 2020 , 25,	4.8	4
9	Atg7 Knockdown Reduces Chemerin Secretion in Murine Adipocytes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 5715-5728	5.6	4
8	Leptin counteracts hypothermia in hypothyroidism through its pyrexia effects and by stabilizing serum thyroid hormone levels. <i>Molecular Metabolism</i> , 2021 , 54, 101348	8.8	3
7	Cellular and physiological circadian mechanisms drive diurnal cell proliferation and expansion of white adipose tissue. <i>Nature Communications</i> , 2021 , 12, 3482	17.4	3
6	Cleavage of the vaspin N-terminus releases cell-penetrating peptides that affect early stages of adipogenesis and inhibit lipolysis in mature adipocytes. <i>Adipocyte</i> , 2021 , 10, 216-231	3.2	3
5	Structural Studies on the Inhibitory Binding Mode of Aromatic Coumarinic Esters to Human Kallikrein-Related Peptidase 7. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 5723-5733	8.3	2
4	Nicotinamide Nucleotide Transhydrogenase (Nnt) is Related to Obesity in Mice. <i>Hormone and Metabolic Research</i> , 2020 , 52, 877-881	3.1	2
3	The Effect of FGF21 and Its Genetic Variants on Food and Drug Cravings, Adipokines and Metabolic Traits. <i>Biomedicine</i> , 2021 , 9,	4.8	1
2	Letter to the Editor regarding M Ekl et al.'s paper: Gut microbiota, dietary intakes and intestinal permeability reflected by serum zonulin in women. <i>European Journal of Nutrition</i> , 2018 , 57, 2999-3000	5.2	1
1	Dietary intervention improves health metrics and life expectancy of the genetically obese Titan mouse.. <i>Communications Biology</i> , 2022 , 5, 408	6.7	

