

# John T Heiker

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

1,627  
citations

304701

22  
h-index

315719

38  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2597  
citing authors

#	ARTICLE	IF	CITATIONS
1	Central vaspin administration acutely reduces food intake and has sustained blood glucose-lowering effects. <i>Diabetologia</i> , 2011, 54, 1819-1823.	6.3	125
2	Vaspin inhibits kallikrein 7 by serpin mechanism. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2569-2583.	5.4	125
3	Molecular mechanisms of signal transduction via adiponectin and adiponectin receptors. <i>Biological Chemistry</i> , 2010, 391, 1005-18.	2.5	87
4	Vaspin (serpinA12) in obesity, insulin resistance, and inflammation. <i>Journal of Peptide Science</i> , 2014, 20, 299-306.	1.4	87
5	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.	3.5	81
6	Dissociation Between Brown Adipose Tissue <sup>18</sup> F-FDG Uptake and Thermogenesis in Uncoupling Protein 1-Deficient Mice. <i>Journal of Nuclear Medicine</i> , 2017, 58, 1100-1103.	5.0	73
7	Thyroid hormone status defines brown adipose tissue activity and browning of white adipose tissues in mice. <i>Scientific Reports</i> , 2016, 6, 38124.	3.3	71
8	Extensive weight loss reveals distinct gene expression changes in human subcutaneous and visceral adipose tissue. <i>Scientific Reports</i> , 2015, 5, 14841.	3.3	62
9	Protein kinase CK2 interacts with adiponectin receptor 1 and participates in adiponectin signaling. <i>Cellular Signalling</i> , 2009, 21, 936-942.	3.6	51
10	Proteolytic activation of prochemerin by kallikrein 7 breaks an ionic linkage and results in C-terminal rearrangement. <i>Biochemical Journal</i> , 2013, 452, 271-280.	3.7	47
11	Thyroid hormones and browning of adipose tissue. <i>Molecular and Cellular Endocrinology</i> , 2017, 458, 156-159.	3.2	46
12	Vaspin suppresses cytokine-induced inflammation in 3T3-L1 adipocytes via inhibition of NF- $\kappa$ B pathway. <i>Molecular and Cellular Endocrinology</i> , 2018, 460, 181-188.	3.2	40
13	Dimerization of adiponectin receptor 1 is inhibited by adiponectin. <i>Journal of Cell Science</i> , 2010, 123, 1320-1328.	2.0	39
14	Asborin Inhibits Aldo/Keto Reductase-1A1. <i>ChemMedChem</i> , 2011, 6, 89-93.	3.2	36
15	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.	12.1	36
16	The effect of green Mediterranean diet on cardiometabolic risk; a randomised controlled trial. <i>Heart</i> , 2021, 107, 1054-1061.	2.9	35
17	A novel thermoregulatory role for PDE 10A in mouse and human adipocytes. <i>EMBO Molecular Medicine</i> , 2016, 8, 796-812.	6.9	34
18	Anti-Inflammatory Action of Keratinocyte-Derived Vaspin. <i>American Journal of Pathology</i> , 2016, 186, 639-651.	3.8	33

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19	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, 377-384.	2.3	31
20	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> , 2018, 1111, 159-188.	1.6	31
21	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.	6.5	29
22	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.	5.4	26
23	The repertoire of Adhesion G protein-coupled receptors in adipocytes and their functional relevance. <i>International Journal of Obesity</i> , 2020, 44, 2124-2136.	3.4	26
24	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, 3295-3309.	0.6	24
25	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.	10.0	23
26	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, 32-37.	2.1	22
27	Localization of Novel Adiponectin Receptor Constructs. <i>Journal of Receptor and Signal Transduction Research</i> , 2006, 26, 647-657.	2.5	20
28	Cellular and physiological circadian mechanisms drive diurnal cell proliferation and expansion of white adipose tissue. <i>Nature Communications</i> , 2021, 12, 3482.	12.8	18
29	Nicotinamide nucleotide transhydrogenase mRNA expression is related to human obesity. <i>Obesity</i> , 2013, 21, 529-534.	3.0	17
30	A unique serpin P1 <sup>2</sup> glutamate and a conserved $\beta$ -sheet C arginine are key residues for activity, protease recognition and stability of serpinA12 (vaspin). <i>Biochemical Journal</i> , 2015, 470, 357-367.	3.7	17
31	Depletion of Jmjd1c impairs adipogenesis in murine 3T3-L1 cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1709-1717.	3.8	16
32	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.	3.7	16
33	Novel Mutations in the Asparagine Synthetase Gene (ASNS) Associated With Microcephaly. <i>Frontiers in Genetics</i> , 2018, 9, 245.	2.3	15
34	C57BL/6JRj mice are protected against diet induced obesity (DIO). <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 717-720.	2.1	14
35	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.	2.7	14
36	Replication Initiator 1 in Adipose Tissue Function and Human Obesity. <i>Vitamins and Hormones</i> , 2013, 91, 97-105.	1.7	14

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37	Basic Residues of Î²-Sheet A Contribute to Heparin Binding and Activation of Vaspin (Serpina12). <i>Journal of Biological Chemistry</i> , 2017, 292, 994-1004.	3.4	14
38	Kallikrein-related peptidase 14 is the second KLK protease targeted by the serpin vaspin. <i>Biological Chemistry</i> , 2018, 399, 1079-1084.	2.5	14
39	Adiponectin promotes the migration of circulating angiogenic cells through p38-mediated induction of the CXCR4 receptor. <i>International Journal of Cardiology</i> , 2013, 167, 2039-2046.	1.7	12
40	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.	2.4	12
41	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.	2.3	12
42	The Effect of FGF21 and Its Genetic Variants on Food and Drug Cravings, Adipokines and Metabolic Traits. <i>Biomedicines</i> , 2021, 9, 345.	3.2	9
43	Leptin counteracts hypothermia in hypothyroidism through its pyrexia effects and by stabilizing serum thyroid hormone levels. <i>Molecular Metabolism</i> , 2021, 54, 101348.	6.5	9
44	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.	6.4	8
45	Electroactive microorganisms in mouse feces. <i>Electrochimica Acta</i> , 2021, 365, 137326.	5.2	8
46	Crystal structure of cleaved vaspin (serpina12). <i>Biological Chemistry</i> , 2016, 397, 111-123.	2.5	7
47	Analysis of a rare functional truncating mutation rs61757459 in vaspin (SERPINA12) on circulating vaspin levels. <i>Journal of Molecular Medicine</i> , 2013, 91, 1285-1292.	3.9	6
48	Membrane Phospholipids and Polyphosphates as Cofactors and Binding Molecules of SERPINA12 (vaspin). <i>Molecules</i> , 2020, 25, 1992.	3.8	6
49	Role of Kallikrein 7 in Body Weight and Fat Mass Regulation. <i>Biomedicines</i> , 2021, 9, 131.	3.2	6
50	Atg7 Knockdown Reduces Chemerin Secretion in Murine Adipocytes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 5715-5728.	3.6	5
51	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.	2.8	5
52	Nicotinamide Nucleotide Transhydrogenase (Nnt) is Related to Obesity in Mice. <i>Hormone and Metabolic Research</i> , 2020, 52, 877-881.	1.5	4
53	Dietary intervention improves health metrics and life expectancy of the genetically obese Titan mouse. <i>Communications Biology</i> , 2022, 5, 408.	4.4	4
54	Letter to the Editor regarding MÃ¼rkel 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.	3.9	1