

# Christian Carp

## List of Publications by Year in descending order

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77  
papers

3,098  
citations

172457

29  
h-index

161849

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79  
all docs

79  
docs citations

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times ranked

3524  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Apelin, a Newly Identified Adipokine Up-Regulated by Insulin and Obesity. <i>Endocrinology</i> , 2005, 146, 1764-1771.   | 2.8  | 761       |
| 2  | Resveratrol, Metabolic Syndrome, and Gut Microbiota. <i>Nutrients</i> , 2018, 10, 1651.  | 4.1  | 181       |
| 3  | Role of Semicarbazide-sensitive Amine Oxidase on Glucose Transport and GLUT4 Recruitment to the Cell Surface in Adipose Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 8025-8032.  | 3.4  | 148       |
| 4  | Regulation of glucose metabolism by bioactive phytochemicals for the management of type 2 diabetes mellitus. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 830-847.  | 10.3 | 123       |
| 5  | Adipose Tissue Proadipogenic Redox Changes in Obesity. <i>Journal of Biological Chemistry</i> , 2006, 281, 12682-12687.  | 3.4  | 93        |
| 6  | Substrates of semicarbazide-sensitive amine oxidase co-operate with vanadate to stimulate tyrosine phosphorylation of insulin-receptor-substrate proteins, phosphoinositide 3-kinase activity and GLUT4 translocation in adipose cells. <i>Biochemical Journal</i> , 2000, 350, 171-180. | 3.7  | 90        |
| 7  | Resveratrol directly affects in vitro lipolysis and glucose transport in human fat cells. <i>Journal of Physiology and Biochemistry</i> , 2013, 69, 585-593.   | 3.0  | 68        |
| 8  | Adipogenesis-related increase of semicarbazide-sensitive amine oxidase and monoamine oxidase in human adipocytes. <i>Biochimie</i> , 2007, 89, 916-925.  | 2.6  | 63        |
| 9  | Semicarbazide-sensitive amine oxidase activity exerts insulin-like effects on glucose metabolism and insulin-signaling pathways in adipose cells. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1647, 3-9.  | 2.3  | 62        |
| 10 | Isopropyl-norepinephrine is a stronger lipolytic agent in human adipocytes than norepinephrine and other amines present in <i>Citrus aurantium</i> . <i>Journal of Physiology and Biochemistry</i> , 2011, 67, 443-452.  | 3.0  | 62        |
| 11 | High expression of monoamine oxidases in human white adipose tissue: evidence for their involvement in noradrenaline clearance. <i>Biochemical Pharmacology</i> , 1999, 58, 1735-1742.   | 4.4  | 61        |
| 12 | Semicarbazide-Sensitive Amine Oxidase/Vascular Adhesion Protein-1 Activity Exerts an Antidiabetic Action in Goto-Kakizaki Rats. <i>Diabetes</i> , 2003, 52, 1004-1013.   | 0.6  | 60        |
| 13 | Oral Insulin-Mimetic Compounds That Act Independently of Insulin. <i>Diabetes</i> , 2007, 56, 486-493.   | 0.6  | 60        |
| 14 | Amine oxidase substrates mimic several of the insulin effects on adipocyte differentiation in 3T3 F442A cells. <i>Biochemical Journal</i> , 2001, 356, 769-777.  | 3.7  | 58        |
| 15 | Tyramine Stimulates Glucose Uptake in Insulin-Sensitive Tissues in Vitro and in Vivo via Its Oxidation by Amine Oxidases. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 303, 1238-1247.   | 2.5  | 56        |
| 16 | Lipolytic Effects of beta1-, beta2-, and beta3-Adrenergic Agonists in White Adipose Tissue of Mammals. <i>Annals of the New York Academy of Sciences</i> , 1998, 839, 186-189.   | 3.8  | 46        |
| 17 | Inhibition of rat fat cell lipolysis by monoamine oxidase and semicarbazide-sensitive amine oxidase substrates. <i>European Journal of Pharmacology</i> , 2003, 466, 235-243.  | 3.5  | 44        |
| 18 | Amine oxidase substrates mimic several of the insulin effects on adipocyte differentiation in 3T3 F442A cells. <i>Biochemical Journal</i> , 2001, 356, 769.  | 3.7  | 44        |

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|----|--|-----|-----------|
| 19 | Adrenergic Receptors and Fat Cells: Differential Recruitment by Physiological Amines and Homologous Regulation. <i>Obesity</i> , 1995, 3, 507S-514S.   | 4.0 | 43        |
| 20 | Chronic benzylamine administration in the drinking water improves glucose tolerance, reduces body weight gain and circulating cholesterol in high-fat diet-fed mice. <i>Pharmacological Research</i> , 2010, 61, 355-363.  | 7.1 | 42        |
| 21 | Semicarbazide-Sensitive Amine Oxidase/Vascular Adhesion Protein-1 Deficiency Reduces Leukocyte Infiltration into Adipose Tissue and Favors Fat Deposition. <i>American Journal of Pathology</i> , 2009, 174, 1075-1083.  | 3.8 | 41        |
| 22 | Resveratrol Anti-Obesity Effects: Rapid Inhibition of Adipocyte Glucose Utilization. <i>Antioxidants</i> , 2019, 8, 74.  | 5.1 | 40        |
| 23 | Alteration of Amine Oxidase Activity in the Adipose Tissue of Obese Subjects. <i>Obesity</i> , 2004, 12, 547-555.  | 4.0 | 39        |
| 24 | Advances in Integrating Traditional and Omic Biomarkers When Analyzing the Effects of the Mediterranean Diet Intervention in Cardiovascular Prevention. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1469.   | 4.1 | 35        |
| 25 | Short- and long-term insulin-like effects of monoamine oxidases and semicarbazide-sensitive amine oxidase substrates in cultured adipocytes. <i>Metabolism: Clinical and Experimental</i> , 2006, 55, 1397-1405.   | 3.4 | 34        |
| 26 | Pomegranate juice and its main polyphenols exhibit direct effects on amine oxidases from human adipose tissue and inhibit lipid metabolism in adipocytes. <i>Journal of Functional Foods</i> , 2017, 33, 323-331.  | 3.4 | 33        |
| 27 | Natriuretic peptides promote glucose uptake in a cGMP-dependent manner in human adipocytes. <i>Scientific Reports</i> , 2018, 8, 1097.   | 3.3 | 33        |
| 28 | Anti-obesity effects of resveratrol: comparison between animal models and humans. <i>Journal of Physiology and Biochemistry</i> , 2016, 73, 417-429.   | 3.0 | 32        |
| 29 | Piceatannol and resveratrol share inhibitory effects on hydrogen peroxide release, monoamine oxidase and lipogenic activities in adipose tissue, but differ in their antilipolytic properties. <i>Chemico-Biological Interactions</i> , 2016, 258, 115-125.                          | 4.0 | 32        |
| 30 | Substrates of semicarbazide-sensitive amine oxidase co-operate with vanadate to stimulate tyrosine phosphorylation of insulin-receptor-substrate proteins, phosphoinositide 3-kinase activity and GLUT4 translocation in adipose cells. <i>Biochemical Journal</i> , 2000, 350, 171. | 3.7 | 30        |
| 31 | Methylamine but not mafenide mimics insulin-like activity of the semicarbazide-sensitive amine oxidase-substrate benzylamine on glucose tolerance and on human adipocyte metabolism. <i>Pharmacological Research</i> , 2005, 52, 475-484.  | 7.1 | 28        |
| 32 | Benzylamine Exhibits Insulin-Like Effects on Glucose Disposal, Glucose Transport, and Fat Cell Lipolysis in Rabbits and Diabetic Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 309, 1020-1028.  | 2.5 | 27        |
| 33 | Exploring the Binding Mode of Semicarbazide-Sensitive Amine Oxidase/VAP-1: Identification of Novel Substrates with Insulin-like Activity. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 4865-4874.   | 6.4 | 27        |
| 34 | Glucose handling in streptozotocin-induced diabetic rats is improved by tyramine but not by the amine oxidase inhibitor semicarbazide. <i>European Journal of Pharmacology</i> , 2005, 522, 139-146.   | 3.5 | 27        |
| 35 | Antidepressant Phenelzine Alters Differentiation of Cultured Human and Mouse Preadipocytes. <i>Molecular Pharmacology</i> , 2009, 75, 1052-1061.   | 2.3 | 26        |
| 36 | The imidazoline I2-site ligands BU 224 and 2-BFI inhibit MAO-A and MAO-B activities, hydrogen peroxide production, and lipolysis in rodent and human adipocytes. <i>European Journal of Pharmacology</i> , 2006, 552, 20-30.   | 3.5 | 25        |

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|----|---|-----|-----------|
| 37 | Past, Present and Future Anti-Obesity Effects of Flavin-Containing and/or Copper-Containing Amine Oxidase Inhibitors. <i>Medicines (Basel, Switzerland)</i> , 2019, 6, 9.   | 1.4 | 24        |
| 38 | Oral Administration of Semicarbazide Limits Weight Gain together with Inhibition of Fat Deposition and of Primary Amine Oxidase Activity in Adipose Tissue. <i>Journal of Obesity</i> , 2011, 2011, 1-10.   | 2.7 | 23        |
| 39 | Insulin-mimetic compound hexakis (benzylammonium) decavanadate is antilipolytic in human fat cells. <i>World Journal of Diabetes</i> , 2017, 8, 143.  | 3.5 | 22        |
| 40 | The Dietary Antioxidant Piceatannol Inhibits Adipogenesis of Human Adipose Mesenchymal Stem Cells and Limits Glucose Transport and Lipogenic Activities in Adipocytes. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2081.                   | 4.1 | 22        |
| 41 | Increased primary amine oxidase expression and activity in white adipose tissue of obese and diabetic db <sup>a</sup> /b <sup>a</sup> mice. <i>Journal of Neural Transmission</i> , 2011, 118, 1071-1077.   | 2.8 | 21        |
| 42 | SSAO substrates exhibiting insulin-like effects in adipocytes as a promising treatment option for metabolic disorders. <i>Future Medicinal Chemistry</i> , 2010, 2, 1735-1749.  | 2.3 | 20        |
| 43 | Oxidation of high doses of serotonin favors lipid accumulation in mouse and human fat cells. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 1089-1099.  | 3.3 | 20        |
| 44 | Pterostilbene Inhibits Lipogenic Activity similar to Resveratrol or Caffeine but Differently Modulates Lipolysis in Adipocytes. <i>Phytotherapy Research</i> , 2017, 31, 1273-1282.   | 5.8 | 20        |
| 45 | Body fat reduction without cardiovascular changes in mice after oral treatment with the MAO inhibitor phenelzine. <i>British Journal of Pharmacology</i> , 2018, 175, 2428-2440.  | 5.4 | 18        |
| 46 | The amine oxidase inhibitor phenelzine limits lipogenesis in adipocytes without inhibiting insulin action on glucose uptake. <i>Journal of Neural Transmission</i> , 2013, 120, 997-1003.   | 2.8 | 15        |
| 47 | Mechanisms of the antilipolytic response of human adipocytes to tyramine, a trace amine present in food. <i>Journal of Physiology and Biochemistry</i> , 2018, 74, 623-633.   | 3.0 | 15        |
| 48 | Potential renoprotective effects of piceatannol in ameliorating the early-stage nephropathy associated with obesity in obese Zucker rats. <i>Journal of Physiology and Biochemistry</i> , 2016, 72, 555-566.  | 3.0 | 14        |
| 49 | Obesity of mice lacking VAP-1/SSAO by Aoc3 gene deletion is reproduced in mice expressing a mutated vascular adhesion protein-1 (VAP-1) devoid of amine oxidase activity. <i>Journal of Physiology and Biochemistry</i> , 2021, 77, 141-154.                  | 3.0 | 14        |
| 50 | Benzylamine antihyperglycemic effect is abolished by AOC3 gene invalidation in mice but not rescued by semicarbazide-sensitive amine oxidase expression under the control of aP2 promoter. <i>Journal of Physiology and Biochemistry</i> , 2012, 68, 651-662. | 3.0 | 13        |
| 51 | Dietary Phenolic Compounds Interfere with the Fate of Hydrogen Peroxide in Human Adipose Tissue but Do Not Directly Inhibit Primary Amine Oxidase Activity. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-15.                              | 4.0 | 13        |
| 52 | Lack of functional antilipolytic $\alpha$ -adrenoceptor in rat fat cell: Comparison with hamster adipocyte. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1983, 74, 41-45.  | 0.2 | 12        |
| 53 | Anatomical distribution of primary amine oxidase activity in four adipose depots and plasma of severely obese women with or without a dysmetabolic profile. <i>Journal of Physiology and Biochemistry</i> , 2016, 73, 475-486.                                | 3.0 | 12        |
| 54 | Is there an optimal dose for dietary linoleic acid? Lessons from essential fatty acid deficiency supplementation and adipocyte functions in rats. <i>Journal of Physiology and Biochemistry</i> , 2014, 70, 615-627.  | 3.0 | 11        |

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|----|--|-----|-----------|
| 55 | Oral Phenzelzine Treatment Mitigates Metabolic Disturbances in Mice Fed a High-Fat Diet. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 371, 555-566.  | 2.5 | 11        |
| 56 | Short-term and rapid effects of lysophosphatidic acid on human adipose cell lipolytic and glucose uptake activities. <i>AIMS Molecular Science</i> , 2016, 3, 222-237.   | 0.5 | 10        |
| 57 | Methylamine Activates Glucose Uptake in Human Adipocytes Without Overpassing Action of Insulin or Stimulating its Secretion in Pancreatic Islets. <i>Medicines (Basel, Switzerland)</i> , 2019, 6, 89.                             | 1.4 | 9         |
| 58 | Metabolic Effects of Oral Phenzelzine Treatment on High-Sucrose-Drinking Mice. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2904.  | 4.1 | 8         |
| 59 | Vanadium-dependent activation of glucose transport in adipocytes by catecholamines is not mediated via adrenoceptor stimulation or monoamine oxidase activity. <i>World Journal of Diabetes</i> , 2020, 11, 622-643.               | 3.5 | 8         |
| 60 | Randomized Clinical Trial: Effects of $\beta^2$ -Hydroxy- $\beta^2$ -Methylbutyrate (HMB)-Enriched vs. HMB-Free Oral Nutritional Supplementation in Malnourished Cirrhotic Patients. <i>Nutrients</i> , 2022, 14, 2344.            | 4.1 | 8         |
| 61 | 5-hydroxytryptamine actions in adipocytes: involvement of monoamine oxidase-dependent oxidation and subsequent PPAR $\beta$ activation. <i>Journal of Neural Transmission</i> , 2013, 120, 919-926.                                | 2.8 | 7         |
| 62 | High intake of dietary tyramine does not deteriorate glucose handling and does not cause adverse cardiovascular effects in mice. <i>Journal of Physiology and Biochemistry</i> , 2016, 72, 539-553.                                | 3.0 | 6         |
| 63 | Effects of the amino acid derivatives, $\beta^2$ -hydroxy- $\beta^2$ -methylbutyrate, taurine, and N-methyltyramine, on triacylglycerol breakdown in fat cells. <i>Journal of Physiology and Biochemistry</i> , 2019, 75, 263-273. | 3.0 | 6         |
| 64 | Novel Facet of an Old Dietary Molecule? Direct Influence of Caffeine on Glucose and Biogenic Amine Handling by Human Adipocytes. <i>Molecules</i> , 2021, 26, 3831.  | 3.8 | 6         |
| 65 | Methylxanthines Inhibit Primary Amine Oxidase and Monoamine Oxidase Activities of Human Adipose Tissue. <i>Medicines (Basel, Switzerland)</i> , 2020, 7, 18.   | 1.4 | 5         |
| 66 | High doses of tyramine stimulate glucose transport in human fat cells. <i>Journal of Physiology and Biochemistry</i> , 2022, 78, 543-556.  | 3.0 | 5         |
| 67 | Glitazones inhibit human monoamine oxidase but their anti-inflammatory actions are not mediated by VAP-1/semicarbazide-sensitive amine oxidase inhibition. <i>Journal of Physiology and Biochemistry</i> , 2015, 71, 487-496.      | 3.0 | 4         |
| 68 | Opi Pramol Inhibits Lipolysis in Human Adipocytes without Altering Glucose Uptake and Differently from Antipsychotic and Antidepressant Drugs with Adverse Effects on Body Weight Control. <i>Pharmaceuticals</i> , 2020, 13, 41.  | 3.8 | 4         |
| 69 | High doses of catecholamines activate glucose transport in human adipocytes independently from adrenoceptor stimulation or vanadium addition. <i>World Journal of Diabetes</i> , 2022, 13, 37-53.                                  | 3.5 | 4         |
| 70 | Comparative effects of idazoxan, efaroxan, and BU 224 on insulin secretion in the rabbit: Not only interaction with pancreatic imidazoline I2 binding sites. <i>Health</i> , 2010, 02, 112-123.                                    | 0.3 | 3         |
| 71 | Short-term effects of obestatin on hexose uptake and triacylglycerol breakdown in human subcutaneous adipocytes. <i>World Journal of Diabetes</i> , 2018, 9, 25-32.  | 3.5 | 2         |
| 72 | Hypercholesterolemia of obese mice with deletion of vascular adhesion protein-1 occurs without other atherosclerosis risk factor. , 0, , .   |     | 2         |

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|----|--|-----|-----------|
| 73 | Oral Supplementation with Benzylamine Delays the Onset of Diabetes in Obese and Diabetic db-/- Mice. <i>Nutrients</i> , 2021, 13, 2622.  | 4.1 | 2         |
| 74 | Tyramine activates lipid accumulation in rat adipocytes: influences of <i>in vitro</i> and <i>in vivo</i> administration. <i>AIMS Molecular Science</i> , 2017, 4, 339-351.                | 0.5 | 2         |
| 75 | Increased monoamine oxidase activity and imidazoline binding sites in insulin-resistant adipocytes from obese Zucker rats. <i>World Journal of Biological Chemistry</i> , 2022, 13, 15-34. | 4.3 | 2         |
| 76 | Engineering and Biomedical Effects of Commercial Juices of Berries, Cherries, and Pomegranates With High Polyphenol Content. , 2019, , 259-283.  |     | 1         |
| 77 | Editorial Special Issue: 2020 consortium for trans-pyrenean investigations on obesity and diabetes. <i>Journal of Physiology and Biochemistry</i> , 2022, , 1.                             | 3.0 | 0         |