Christopher Walton

List of Publications by Year
in descending order

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42 papers	2,418 citations	331670 21 h-index	315739 38 g-index
42 all docs	42 docs citations	42 times ranked	2844 citing authors

#	Article	IF	Citations
1	Insulin Resistance in Chronic Heart Failure: Relation to Severity and Etiology of Heart Failure. Journal of the American College of Cardiology, 1997, 30, 527-532.	2.8	475
2	Hyperleptinemia as a Component of a Metabolic Syndrome of Cardiovascular Risk. Arteriosclerosis, Thrombosis, and Vascular Biology, 1998, 18, 928-933.	2.4	236
3	Insulin resistance, secretion, and elimination in postmenopausal women receiving oral or transdermal hormone replacement therapy. Metabolism: Clinical and Experimental, 1993, 42, 846-853.	3.4	212
4	The effects of the menopause on insulin sensitivity, secretion and elimination in nonâ€obese, healthy women. European Journal of Clinical Investigation, 1993, 23, 466-473.	3.4	180
5	Breath acetone concentration decreases with blood glucose concentration in type I diabetes mellitus patients during hypoglycaemic clamps. Journal of Breath Research, 2009, 3, 046004.	3.0	152
6	Body fat distribution, rather than overall adiposity, influences serum lipids and lipoproteins in healthy men independently of age. American Journal of Medicine, 1995, 99, 459-464.	1.5	146
7	Insulin resistance, secretion, and metabolism in users of oral contraceptives. Journal of Clinical Endocrinology and Metabolism, 1992, 74, 64-70.	3.6	146
8	An exploratory comparative study of volatile compounds in exhaled breath and emitted by skin using selected ion flow tube mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 526-532.	1.5	116
9	Analysis of Volatile Organic Compounds of Bacterial Origin in Chronic Gastrointestinal Diseases. Inflammatory Bowel Diseases, 2013, 19, 2069-2078.	1.9	88
10	The effect of menopause on serum uric acid levels in non-obese healthy women. Metabolism: Clinical and Experimental, 1998, 47, 435-438.	3.4	74
11	Assessment of Insulin Sensitivity in Man: A Comparison of Minimal Model- and Euglycaemic Clamp-Derived Measures in Health and Heart Failure. Clinical Science, 1994, 86, 317-322.	4.3	65
12	Diversity and distribution of sulphate-reducing bacteria in human faeces from healthy subjects and patients with inflammatory bowel disease. FEMS Immunology and Medical Microbiology, 2012, 65, 55-68.	2.7	58
13	Factors of the Metabolic Syndrome. Arteriosclerosis, Thrombosis, and Vascular Biology, 1998, 18, 208-214.	2.4	51
14	Insuline resistance, lipoproteins, body fat and hemostasis in nonobese men with angina and a normal or abnormal coronary angiogram. Journal of the American College of Cardiology, 1994, 23, 377-383.	2.8	43
15	Insulin resistance and cigarette smoking. Lancet, The, 1992, 339, 1619-1620.	13.7	38
16	Associations between insulin sensitivity, and free fatty acid and triglyceride metabolism independent of uncomplicated obesity. Metabolism: Clinical and Experimental, 1994, 43, 1275-1281.	3.4	33
17	Enteral feeding reduces metabolic activity of the intestinal microbiome in Crohnâ€™s disease: an observational study. European Journal of Clinical Nutrition, 2016, 70, 1052-1056.	2.9	31
18	Faecal volatile biomarkers of Clostridium difficile infection. PLoS ONE, 2019, 14, e0215256.	2.5	25

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19	Effect of body mass index and fat distribution on insulin sensitivity, secretion, and clearance in nonobese healthy men. Journal of Clinical Endocrinology and Metabolism, 1992, 75, 170-175.	3.6	25
20	Maximizing the success rate of minimal model insulin sensitivity measurement in humans: the importance of basal glucose levels. Clinical Science, 2001, 101, 1-9.	4.3	23
21	The use of a portable breath analysis device in monitoring type 1 diabetes patients in a hypoglycaemic clamp: validation with SIFT-MS data. Journal of Breath Research, 2014, 8, 037108.	3.0	23
22	Platinum Pacemaker Electrodes: Origins and Effects of the Electrode-Tissue Interface Impedance. PACE - Pacing and Clinical Electrophysiology, 1987, 10, 87-99.	1.2	21
23	Relationships between insulin metabolism, serum lipid profile, body fat distribution and blood pressure in healthy men. Atherosclerosis, 1995, 118, 35-43.	0.8	21
24	Application of gas chromatography mass spectrometry (GCâ€“MS) in conjunction with multivariate classification for the diagnosis of gastrointestinal diseases. Metabolomics, 2014, 10, 1113-1120.	3.0	21
25	Inflammation markers and erythrocyte sedimentation rate but not metabolic syndrome factor score predict coronary heart disease in high socioeconomic class males: the HDDRISC study. International Journal of Cardiology, 2004, 97, 543-550.	1.7	19
26	Maximizing the success rate of minimal model insulin sensitivity measurement in humans: the importance of basal glucose levels. Clinical Science, 2001, 101, 1.	4.3	18
27	Understanding the fate and transport of petroleum hydrocarbons from coal tar within gasholders. Environment International, 2009, 35, 248-252.	10.0	14
28	The Ventricular Intracardiac Unipolar Paced-Evoked Potential in an Isolated Animal Heart. PACE - Pacing and Clinical Electrophysiology, 1988, 11, 203-213.	1.2	11
29	Insulin resistance and cigarette smoking. Lancet, The, 1992, 340, 607.	13.7	9
30	An apparently anomalous relationship between insulin and C-peptide concentrations in their initial response to intravenous glucose. Metabolism: Clinical and Experimental, 1992, 41, 1210-1214.	3.4	9
31	Inverse relationship between serum Lp(a) levels and first-phase insulin secretion. Diabetes, 1992, 41, 1341-1345.	0.6	8
32	Role of glucose and insulin resistance in development of type 2 diabetes mellitus. Lancet, The, 1992, 340, 1347-1348.	13.7	6
33	Determination of Myocardial Depolarization and Repolarization Times Using the Unipolar Ventricular Evoked Potential: Contrasting Effects of Stimulus Interval and Isoprenaline in the Isolated Perfused Rahhit Heart. PACE - Pacing and Clinical Electrophysiology, 1989, 12, 784-792.	1.2	5
34	An animal model for the chronic study of ventricular repolarisation and refractory period. Cardiovascular Research, 1989, 23, 16-20.	3.8	5
35	Insulin resistance ? modelling studies. European Journal of Epidemiology, 1992, 8, 136-138.	5.7	5
36	Instrumentation for quantitative analysis of volatile compounds emission at elevated temperatures. Part 1: Design and implementation. Scientific Reports, 2020, 10, 8700.	3.3	3

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37	Quantification of liquid phase faecal odourants to evaluate membrane technology for wastewater reuse from decentralised sanitation facilities. Environmental Science: Water Research and Technology, 2019, 5, 161-171.	2.4	2
38	Instrumentation for quantitative analysis of volatile compounds emission at elevated temperatures. Part 2: Analysis of carbon fibre reinforced epoxy composite. Scientific Reports, 2020, 10, 8702.	3.3	1
39	In Vitro Estimation of the Electrical Performance of Bipolar Pacing Electrode Systems. PACE - Pacing and Clinical Electrophysiology, 1988, 11, 1791-1796.	1.2	0
40	Measuring body fat. American Journal of Medicine, 1996, 101, 236-237.	1.5	0
41	PWE-033â€…Abundance of sulphate reducing bacteria in inflammatory bowel disease. Gut, 2010, 59, A97.3-A98.	12.1	0
42	Mid-IR spectroscopic instrumentation for point-of-care diagnosis using a hollow silica waveguide gas cell. , 2017, , .		0