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	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
2	Instrumentation for quantitative analysis of volatile compounds emission at elevated temperatures. Part 1: Design and implementation. Scientific Reports, 2020, 10, 8700.	3.3	3
3	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
4	Faecal volatile biomarkers of Clostridium difficile infection. PLoS ONE, 2019, 14, e0215256.	2.5	25
5	Mid-IR spectroscopic instrumentation for point-of-care diagnosis using a hollow silica waveguide gas cell. , 2017, , .		0
6	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
7	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
8	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
9	Analysis of Volatile Organic Compounds of Bacterial Origin in Chronic Gastrointestinal Diseases. Inflammatory Bowel Diseases, 2013, 19, 2069-2078.	1.9	88
10	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
11	PWE-033â€…Abundance of sulphate reducing bacteria in inflammatory bowel disease. Gut, 2010, 59, A97.3-A98.	12.1	0
12	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
13	Understanding the fate and transport of petroleum hydrocarbons from coal tar within gasholders. Environment International, 2009, 35, 248-252.	10.0	14
14	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
15	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
16	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
17	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
18	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

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19	Hyperleptinemia as a Component of a Metabolic Syndrome of Cardiovascular Risk. Arteriosclerosis, Thrombosis, and Vascular Biology, 1998, 18, 928-933.	2.4	236
20	Factors of the Metabolic Syndrome. Arteriosclerosis, Thrombosis, and Vascular Biology, 1998, 18, 208-214.	2.4	51
21	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
22	Measuring body fat. American Journal of Medicine, 1996, 101, 236-237.	1.5	0
23	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
24	Relationships between insulin metabolism, serum lipid profile, body fat distribution and blood pressure in healthy men. Atherosclerosis, 1995, 118, 35-43.	0.8	21
25	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
26	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
27	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
28	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
29	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
30	Role of glucose and insulin resistance in development of type 2 diabetes mellitus. Lancet, The, 1992, 340, 1347-1348.	13.7	6
31	Insulin resistance and cigarette smoking. Lancet, The, 1992, 339, 1619-1620.	13.7	38
32	Insulin resistance and cigarette smoking. Lancet, The, 1992, 340, 607.	13.7	9
33	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
34	Insulin resistance ? modelling studies. European Journal of Epidemiology, 1992, 8, 136-138.	5.7	5
35	Insulin resistance, secretion, and metabolism in users of oral contraceptives. Journal of Clinical Endocrinology and Metabolism, 1992, 74, 64-70.	3.6	146
36	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

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37	Inverse relationship between serum Lp(a) levels and first-phase insulin secretion. Diabetes, 1992, 41, 1341-1345.	0.6	8
38	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
39	An animal model for the chronic study of ventricular repolarisation and refractory period. Cardiovascular Research, 1989, 23, 16-20.	3.8	5
40	The Ventricular Intracardiac Unipolar Paced-Evoked Potential in an Isolated Animal Heart. PACE - Pacing and Clinical Electrophysiology, 1988, 11, 203-213.	1.2	11
41	In Vitro Estimation of the Electrical Performance of Bipolar Pacing Electrode Systems. PACE - Pacing and Clinical Electrophysiology, 1988, 11, 1791-1796.	1.2	0
42	Platinum Pacemaker Electrodes: Origins and Effects of the Electrode-Tissue Interface Impedance. PACE - Pacing and Clinical Electrophysiology, 1987, 10, 87-99.	1.2	21