

# Janne Hukkanen

## List of Publications by Year in descending order

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56  
papers

5,627  
citations

201385

27  
h-index

161609

54  
g-index

56  
all docs

56  
docs citations

56  
times ranked

7188  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolism and Disposition Kinetics of Nicotine. <i>Pharmacological Reviews</i> , 2005, 57, 79-115.	7.1	1,298
2	Nicotine Chemistry, Metabolism, Kinetics and Biomarkers. <i>Handbook of Experimental Pharmacology</i> , 2009, , 29-60.	0.9	1,045
3	Inhibition and induction of human cytochrome P450 enzymes: current status. <i>Archives of Toxicology</i> , 2008, 82, 667-715.	1.9	481
4	Expression and Regulation of Xenobiotic-Metabolizing Cytochrome P450 (CYP) Enzymes in Human Lung. <i>Critical Reviews in Toxicology</i> , 2002, 32, 391-411.	1.9	284
5	Effects of an isocaloric healthy Nordic diet on insulin sensitivity, lipid profile and inflammation markers in metabolic syndrome – a randomized study (SYSDIET). <i>Journal of Internal Medicine</i> , 2013, 274, 52-66.	2.7	213
6	Expression of xenobiotic-metabolizing cytochrome P450 Forms in human full-term placenta. <i>Biochemical Pharmacology</i> , 1996, 51, 403-411.	2.0	196
7	Expression of CYP1B1 in human adult and fetal tissues and differential inducibility of CYP1B1 and CYP1A1 by Ah receptor ligands in human placenta and cultured cells. <i>Carcinogenesis</i> , 1997, 18, 391-397.	1.3	172
8	Inhibition and induction of CYP enzymes in humans: an update. <i>Archives of Toxicology</i> , 2020, 94, 3671-3722.	1.9	163
9	Induction and Regulation of Xenobiotic-Metabolizing Cytochrome P450s in the Human A549 Lung Adenocarcinoma Cell Line. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2000, 22, 360-366.	1.4	145
10	Expression of CYP2A genes in human liver and extrahepatic tissues. <i>Biochemical Pharmacology</i> , 1999, 57, 1407-1413.	2.0	142
11	Expression and localization of CYP3A4 and CYP3A5 in human lung.. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1997, 16, 242-249.	1.4	138
12	Expression of xenobiotic-metabolizing CYPs in human pulmonary tissue. <i>Experimental and Toxicologic Pathology</i> , 1999, 51, 412-417.	2.1	90
13	Regulation of CYP3A5 by Glucocorticoids and Cigarette Smoke in Human Lung-Derived Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 304, 745-752.	1.3	87
14	Detection of mRNA encoding xenobiotic-metabolizing cytochrome P450s in human bronchoalveolar macrophages and peripheral blood lymphocytes. <i>Molecular Carcinogenesis</i> , 1997, 20, 224-230.	1.3	86
15	Expression of CYP1A1, CYP1B1 and CYP3A, and polycyclic aromatic hydrocarbon-DNA adduct formation in bronchoalveolar macrophages of smokers and non-smokers. , 2000, 86, 610-616.		86
16	Regulation of hepatic energy metabolism by the nuclear receptor PXR. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2016, 1859, 1072-1082.	0.9	77
17	Pregnane X Receptor Agonists Impair Postprandial Glucose Tolerance. <i>Clinical Pharmacology and Therapeutics</i> , 2013, 93, 556-563.	2.3	68
18	A Healthy Nordic Diet Alters the Plasma Lipidomic Profile in Adults with Features of Metabolic Syndrome in a Multicenter Randomized Dietary Intervention. <i>Journal of Nutrition</i> , 2016, 146, 662-672.	1.3	68

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19	Induction of cytochrome P450 enzymes: a view on human <i>in vivo</i> findings. Expert Review of Clinical Pharmacology, 2012, 5, 569-585.	1.3	59
20	Expression of Cytochrome P450 Genes Encoding Enzymes Active in the Metabolism of Tamoxifen in Human Uterine Endometrium. Basic and Clinical Pharmacology and Toxicology, 1998, 82, 93-97.	0.0	50
21	Effect of nicotine on cytochrome P450 1A2 activity. British Journal of Clinical Pharmacology, 2011, 72, 836-838.	1.1	50
22	Healthy Nordic diet downregulates the expression of genes involved in inflammation in subcutaneous adipose tissue in individuals with features of the metabolic syndrome. American Journal of Clinical Nutrition, 2015, 101, 228-239.	2.2	48
23	Expression of Xenobiotic-Metabolizing Cytochrome P450s in Human Pulmonary Tissues. Archives of Toxicology Supplement, 1998, 20, 465-469.	0.7	44
24	A Dietary Biomarker Approach Captures Compliance and Cardiometabolic Effects of a Healthy Nordic Diet in Individuals with Metabolic Syndrome. Journal of Nutrition, 2014, 144, 1642-1649.	1.3	39
25	Whole Grain Rye Intake, Reflected by a Biomarker, Is Associated with Favorable Blood Lipid Outcomes in Subjects with the Metabolic Syndrome – A Randomized Study. PLoS ONE, 2014, 9, e110827.	1.1	37
26	Pregnane X receptor (PXR) – a contributor to the diabetes epidemic?. Drug Metabolism and Drug Interactions, 2014, 29, 3-15.	0.3	36
27	Activation of nuclear receptor PXR impairs glucose tolerance and dysregulates GLUT2 expression and subcellular localization in liver. Biochemical Pharmacology, 2018, 148, 253-264.	2.0	33
28	Effect of grapefruit juice on cytochrome P450 2A6 and nicotine renal clearance. Clinical Pharmacology and Therapeutics, 2006, 80, 522-530.	2.3	32
29	Effects of nicotine on cytochrome P450 2A6 and 2E1 activities. British Journal of Clinical Pharmacology, 2010, 69, 152-159.	1.1	25
30	Activation of pregnane X receptor induces atherogenic lipids and PCSK9 by a SREBP2-mediated mechanism. British Journal of Pharmacology, 2021, 178, 2461-2481.	2.7	23
31	Effect of pregnancy on a measure of FMO3 activity. British Journal of Clinical Pharmacology, 2005, 60, 224-226.	1.1	22
32	Effects of a healthy Nordic diet on gene expression changes in peripheral blood mononuclear cells in response to an oral glucose tolerance test in subjects with metabolic syndrome: a SYSDIET sub-study. Genes and Nutrition, 2016, 11, 3.	1.2	20
33	The association of non-alcoholic fatty liver disease and atrial fibrillation: a review. Annals of Medicine, 2018, 50, 371-380.	1.5	20
34	Influence of menstrual cycle on cytochrome P450 2A6 activity and cardiovascular effects of nicotine*. Clinical Pharmacology and Therapeutics, 2005, 77, 159-169.	2.3	19
35	The effect of atorvastatin treatment on serum oxysterol concentrations and cytochrome P450 3A4 activity. British Journal of Clinical Pharmacology, 2015, 80, 473-479.	1.1	18
36	Metabolic syndrome but not genetic polymorphisms known to induce NAFLD predicts increased total mortality in subjects with NAFLD (OPERA study). Scandinavian Journal of Clinical and Laboratory Investigation, 2020, 80, 106-113.	0.6	18

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37	An Isocaloric Nordic Diet Modulates RELA and TNFRSF1A Gene Expression in Peripheral Blood Mononuclear Cells in Individuals with Metabolic Syndrome—A SYSDIET Sub-Study. <i>Nutrients</i> , 2019, 11, 2932.	1.7	16
38	Pregnane X Receptor Activator Rifampin Increases Blood Pressure and Stimulates Plasma Renin Activity. <i>Clinical Pharmacology and Therapeutics</i> , 2020, 108, 856-865.	2.3	16
39	Effects of low-dose liquorice alone or in combination with hydrochlorothiazide on the plasma potassium in healthy volunteers. <i>Blood Pressure</i> , 2009, 18, 192-195.	0.7	15
40	Quantitative analysis of 4 $\beta$ - and 4 $\alpha$ -hydroxycholesterol in human plasma and serum by UHPLC/ESI-HR-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1100-1101, 179-186.	1.2	15
41	Gastrointestinal manifestations after Roux-en-Y gastric bypass surgery in individuals with and without type 2 diabetes. <i>Surgery for Obesity and Related Diseases</i> , 2021, 17, 585-594.	1.0	14
42	Adherence to the Nordic Nutrition Recommendations in a Nordic population with metabolic syndrome: high salt consumption and low dietary fibre intake (The SYSDIET study). <i>Food and Nutrition Research</i> , 2013, 57, 21391.	1.2	14
43	CYP-associated drug-drug interactions: A mission accomplished?. <i>Archives of Toxicology</i> , 2020, 94, 3931-3934.	1.9	13
44	4 $\beta$ -Hydroxycholesterol Signals From the Liver to Regulate Peripheral Cholesterol Transporters. <i>Frontiers in Pharmacology</i> , 2020, 11, 361.	1.6	12
45	Nuclear Receptor PXR in Drug-Induced Hypercholesterolemia. <i>Cells</i> , 2022, 11, 313.	1.8	12
46	Serological Biomarker Panel in Diagnosis of Atrophic Gastritis and <i>Helicobacter pylori</i> Infection in Gastroscopy Referral Patients: Clinical Validation of the New-Generation GastroPanel <sup>®</sup> Test. <i>Anticancer Research</i> , 2021, 41, 5527-5537.	0.5	11
47	Healthy Nordic Diet Modulates the Expression of Genes Related to Mitochondrial Function and Immune Response in Peripheral Blood Mononuclear Cells from Subjects with Metabolic Syndrome—A SYSDIET Sub-Study. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1801405.	1.5	10
48	PXR and 4 $\beta$ -Hydroxycholesterol Axis and the Components of Metabolic Syndrome. <i>Cells</i> , 2020, 9, 2445.	1.8	10
49	Analysis of the SYSDIET Healthy Nordic Diet randomized trial based on metabolic profiling reveal beneficial effects on glucose metabolism and blood lipids. <i>Clinical Nutrition</i> , 2022, 41, 441-451.	2.3	8
50	Pregnane X Receptor-4 $\beta$ -Hydroxycholesterol Axis in the Regulation of Overweight and Obesity-Induced Hypertension. <i>Journal of the American Heart Association</i> , 2022, 11, e023492.	1.6	7
51	Varenicline and Pheochromocytoma. <i>Annals of Internal Medicine</i> , 2010, 152, 335.	2.0	5
52	Long-term thiazide use and risk of low-energy fractures among persons with Alzheimer's disease—nested case-control study. <i>Osteoporosis International</i> , 2019, 30, 1481-1489.	1.3	5
53	Rifampicin induces the bone form of alkaline phosphatase in humans. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2021, , .	1.2	5
54	Long-term metabolic fate and mortality in obesity without metabolic syndrome. <i>Annals of Medicine</i> , 2022, 54, 1432-1443.	1.5	4

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55	In Vitro Screening of Cytochrome P450 Induction Potential. , 2002, , 105-137.		2
56	Grapefruit juice inhibits CYP2A6 and nicotine metabolism. Clinical Pharmacology and Therapeutics, 2005, 77, P75-P75.	2.3	1