Kirk L Pappan

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/3516719/kirk-l-pappan-publications-by-year.pdf
Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52 papers	2,424 citations	28 h-index	49 g-index
54 ext. papers	2,790 ext. citations	3.9 avg, IF	4.57 L-index

#	Paper	IF	Citations
52	Breathing new life into clinical testing and diagnostics: perspectives on volatile biomarkers from breath.. *Critical Reviews in Clinical Laboratory Sciences*, **2022**, 1-20	9.4	5
51	The SARS-CoV-2 viral load in COVID-19 patients is lower on face mask filters than on nasopharyngeal swabs. *Scientific Reports*, **2021**, 11, 13476	4.9	3
50	Comparison of Untargeted Metabolomic Profiling vs Traditional Metabolic Screening to Identify Inborn Errors of Metabolism. *JAMA Network Open*, **2021**, 4, e2114155	10.4	9
49	Precision of a Clinical Metabolomics Profiling Platform for Use in the Identification of Inborn Errors of Metabolism. *journal of applied laboratory medicine, The*, **2020**, 5, 342-356	2	42
48	Beta-aminoisobutyric acid is released by contracting human skeletal muscle and lowers insulin release from INS-1 832/3 cells by mediating mitochondrial energy metabolism. *Metabolism Open*, **2020**, 7, 100053	2.8	8
47	Untargeted metabolomics as an unbiased approach to the diagnosis of inborn errors of metabolism of the non-oxidative branch of the pentose phosphate pathway. *Molecular Genetics and Metabolism*, **2020**, 131, 147-154	3.7	6
46	Clinical, biochemical, mitochondrial, and metabolomic aspects of methylmalonate semialdehyde dehydrogenase deficiency: Report of a fifth case. *Molecular Genetics and Metabolism*, **2020**, 129, 272-277	3.7	5
45	Metabolomic analysis of Shiga toxin 2a-induced injury in conditionally immortalized glomerular endothelial cells. *Metabolomics*, **2019**, 15, 131	4.7	
44	Untargeted metabolomics identifies unique though benign biochemical changes in patients with pathogenic variants in. *Molecular Genetics and Metabolism Reports*, **2019**, 18, 14-18	1.8	10
43	2-Pyrrolidinone and Succinimide as Clinical Screening Biomarkers for GABA-Transaminase Deficiency: Anti-seizure Medications Impact Accurate Diagnosis. *Frontiers in Neuroscience*, **2019**, 13, 394	5.1	15
42	Increases in bioactive lipids accompany early metabolic changes associated with cell expansion in response to short-term high-fat diet. *American Journal of Physiology - Endocrinology and Metabolism* , **2018**, 315, E1251-E1263	6	4
41	Metabolomics in the clinic: A review of the shared and unique features of untargeted metabolomics for clinical research and clinical testing. *Journal of Mass Spectrometry*, **2018**, 53, 1143-1154	2.2	40
40	Lipid profile of human synovial fluid following intra-articular ankle fracture. *Journal of Orthopaedic Research*, **2017**, 35, 657-666	3.8	9
39	Elucidation of the complex metabolic profile of cerebrospinal fluid using an untargeted biochemical profiling assay. *Molecular Genetics and Metabolism*, **2017**, 121, 83-90	3.7	33
38	Metabolomics Study of the Effects of Inflammation, Hypoxia, and High Glucose on Isolated Human Pancreatic Islets. *Journal of Proteome Research*, **2017**, 16, 2294-2306	5.6	26
37	IL-6 Linkage to Exercise-Induced Shifts in Lipid-Related Metabolites: A Metabolomics-Based Analysis. *Journal of Proteome Research*, **2017**, 16, 970-977	5.6	20
36	Clinical Metabolomics to Segregate Aromatic Amino Acid Decarboxylase Deficiency From Drug-Induced Metabolite Elevations. *Pediatric Neurology*, **2017**, 75, 66-72	2.9	14

35	Circulating levels of endocannabinoids and oxylipins altered by dietary lipids in older women are likely associated with previously identified gene targets. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2016**, 1861, 1693-1704	5	17
34	Metabolite Profiles of the Serum of Patients with Non-Small Cell Carcinoma. *Journal of Thoracic Oncology*, **2016**, 11, 72-8	8.9	33
33	Metabolomics-Based Analysis of Banana and Pear Ingestion on Exercise Performance and Recovery. *Journal of Proteome Research*, **2015**, 14, 5367-77	5.6	46
32	Global biochemical profiling identifies Ehydroxypyruvate as a potential mediator of type 2 diabetes in mice and humans. *Diabetes*, **2015**, 64, 1383-94	0.9	17
31	Plasma metabolomic profiles of breast cancer patients after short-term limonene intervention. *Cancer Prevention Research*, **2015**, 8, 86-93	3.2	27
30	High-fat diet-induced Ecell proliferation occurs prior to insulin resistance in C57Bl/6J male mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2015**, 308, E573-82	6	77
29	Plasma Metabolite Profiling and Search for Biomarkers of Metabolic Dysfunction in Dogs Undergoing Rapid Weight Gain. *Current Metabolomics*, **2015**, 3, 102-121	1	4
28	Impaired metabolic reactivity to oxidative stress in early psychosis patients. *Schizophrenia Bulletin*, **2014**, 40, 973-83	1.3	31
27	Examination of physiological function and biochemical disorders in a rat model of prolonged asphyxia-induced cardiac arrest followed by cardio pulmonary bypass resuscitation. *PLoS ONE*, **2014**, 9, e112012	3.7	15
26	Metabolomics approach to assessing plasma 13- and 9-hydroxy-octadecadienoic acid and linoleic acid metabolite responses to 75-km cycling. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 307, R68-74	3.2	56
25	The structure of rice weevil pectin methylesterase. *Acta Crystallographica Section F, Structural Biology Communications*, **2014**, 70, 1480-4	1.1	11
24	Influence of pistachios on performance and exercise-induced inflammation, oxidative stress, immune dysfunction, and metabolite shifts in cyclists: a randomized, crossover trial. *PLoS ONE*, **2014**, 9, e113725	3.7	44
23	Serum metabolic signatures induced by a three-day intensified exercise period persist after 14 h of recovery in runners. *Journal of Proteome Research*, **2013**, 12, 4577-84	5.6	61
22	Assaying different types of plant phospholipase D activities in vitro. *Methods in Molecular Biology*, **2013**, 1009, 205-17	1.4	3
21	Plasma metabolomic profiles in different stages of CKD. *Clinical Journal of the American Society of Nephrology: CJASN*, **2013**, 8, 363-70	6.9	68
20	Influence of a polyphenol-enriched protein powder on exercise-induced inflammation and oxidative stress in athletes: a randomized trial using a metabolomics approach. *PLoS ONE*, **2013**, 8, e72215	3.7	67
19	Predicted effector molecules in the salivary secretome of the pea aphid (Acyrthosiphon pisum): a dual transcriptomic/proteomic approach. *Journal of Proteome Research*, **2011**, 10, 1505-18	5.6	176
18	High-temperature enzymatic breakdown of cellulose. *Applied and Environmental Microbiology*, **2011**, 77, 5199-206	4.8	31

17	Therapeutic Strategies to Increase Human Cell Growth and Proliferation by Regulating mTOR and GSK-3/Catenin Pathways. *The Open Endocrinology Journal*, **2010**, 4,		5
16	Inactivation of hypothalamic FAS protects mice from diet-induced obesity and inflammation. *Journal of Lipid Research*, **2009**, 50, 630-40	6.3	35
15	Glycogen synthase kinase-3 and mammalian target of rapamycin pathways contribute to DNA synthesis, cell cycle progression, and proliferation in human islets. *Diabetes*, **2009**, 58, 663-72	0.9	69
14	Decreased fetal size is associated with beta-cell hyperfunction in early life and failure with age. *Diabetes*, **2008**, 57, 2698-707	0.9	18
13	A protein from the salivary glands of the pea aphid, Acyrthosiphon pisum, is essential in feeding on a host plant. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 9965-9	11.5	258
12	Glucose-stimulated DNA synthesis through mammalian target of rapamycin (mTOR) is regulated by KATP channels: effects on cell cycle progression in rodent islets. *Journal of Biological Chemistry*, **2006**, 281, 3261-7	5.4	50
11	Pancreatic beta-cell lipoprotein lipase independently regulates islet glucose metabolism and normal insulin secretion. *Journal of Biological Chemistry*, **2005**, 280, 9023-9	5.4	42
10	Signaling elements involved in the metabolic regulation of mTOR by nutrients, incretins, and growth factors in islets. *Diabetes*, **2004**, 53 Suppl 3, S225-32	0.9	122
9	cAMP Dose-dependently prevents palmitate-induced apoptosis by both protein kinase A- and cAMP-guanine nucleotide exchange factor-dependent pathways in beta-cells. *Journal of Biological Chemistry*, **2004**, 279, 8938-45	5.4	100
8	Evidence for and characterization of Ca2+ binding to the catalytic region of Arabidopsis thaliana phospholipase Dbeta. *Journal of Biological Chemistry*, **2004**, 279, 47833-9	5.4	27
7	Metabolic and autocrine regulation of the mammalian target of rapamycin by pancreatic beta-cells. *Diabetes*, **2002**, 51, 2877-85	0.9	113
6	Molecular and biochemical properties and physiological roles of plant phospholipase D. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **1999**, 1439, 151-66	5	41
5	Plant phospholipase Dalpha is an acidic phospholipase active at near-physiological Ca(2+) concentrations. *Archives of Biochemistry and Biophysics*, **1999**, 368, 347-53	4.1	51
4	Substrate selectivities and lipid modulation of plant phospholipase D alpha, -beta, and -gamma. *Archives of Biochemistry and Biophysics*, **1998**, 353, 131-40	4.1	142
3	Identification and characterization of a novel plant phospholipase D that requires polyphosphoinositides and submicromolar calcium for activity in Arabidopsis. *Journal of Biological Chemistry*, **1997**, 272, 7048-54	5.4	96
2	Molecular heterogeneity of phospholipase D (PLD). Cloning of PLDgamma and regulation of plant PLDgamma, -beta, and -alpha by polyphosphoinositides and calcium. *Journal of Biological Chemistry*, **1997**, 272, 28267-73	5.4	129
1	Molecular cloning and functional analysis of polyphosphoinositide-dependent phospholipase D, PLDbeta, from Arabidopsis. *Journal of Biological Chemistry*, **1997**, 272, 7055-61	5.4	92