

Tarja Kokkola

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,440
citations

304743

22
h-index

345221

36
g-index

58
all docs

58
docs citations

58
times ranked

2786
citing authors

#	ARTICLE	IF	CITATIONS
1	A reference map of potential determinants for the human serum metabolome. <i>Nature</i> , 2020, 588, 135-140.	27.8	230
2	Chroman-4-one- and Chromone-Based Sirtuin 2 Inhibitors with Antiproliferative Properties in Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 9870-9888.	6.4	102
3	Natural thermal adaptation increases heat shock protein levels and decreases oxidative stress. <i>Redox Biology</i> , 2014, 3, 25-28.	9.0	86
4	A rhodopsin-based model for melatonin recognition at its G protein-coupled receptor. <i>European Journal of Pharmacology</i> , 1996, 304, 173-183.	3.5	61
5	An inter-laboratory validation of methods of lipid peroxidation measurement in UVA-treated human plasma samples. <i>Free Radical Research</i> , 2010, 44, 1203-1215.	3.3	56
6	Mutagenesis of Human Mel1aMelatonin Receptor Expressed in Yeast Reveals Domains Important for Receptor Function. <i>Biochemical and Biophysical Research Communications</i> , 1998, 249, 531-536.	2.1	49
7	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts. <i>PLoS Medicine</i> , 2020, 17, e1003149.	8.4	47
8	Studying SIRT6 regulation using H3K56 based substrate and small molecules. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 63, 71-76.	4.0	46
9	Identification of WIN55212-3 as a competitive neutral antagonist of the human cannabinoid CB2 receptor. <i>British Journal of Pharmacology</i> , 2005, 145, 636-645.	5.4	42
10	S-nitrosothiols modulate G protein-coupled receptor signaling in a reversible and highly receptor-specific manner. <i>BMC Cell Biology</i> , 2005, 6, 21.	3.0	41
11	Simvastatin Impairs Insulin Secretion by Multiple Mechanisms in MIN6 Cells. <i>PLoS ONE</i> , 2015, 10, e0142902.	2.5	39
12	Four groups of type 2 diabetes contribute to the etiological and clinical heterogeneity in newly diagnosed individuals: An IMI DIRECT study. <i>Cell Reports Medicine</i> , 2022, 3, 100477.	6.5	39
13	Important amino acids for the function of the human MT1 melatonin receptor. <i>Biochemical Pharmacology</i> , 2003, 65, 1463-1471.	4.4	36
14	Screen of Pseudopeptidic Inhibitors of Human Sirtuins 1-3: Two Lead Compounds with Antiproliferative Effects in Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 6681-6695.	6.4	36
15	N-Acylethanolamines Bind to SIRT6. <i>ChemBioChem</i> , 2016, 17, 77-81.	2.6	34
16	Simvastatin induces insulin resistance in L6 skeletal muscle myotubes by suppressing insulin signaling, GLUT4 expression and GSK-3 β phosphorylation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 480, 194-200.	2.1	31
17	Somatostatin receptor 5 is palmitoylated by the interacting ZDHHC5 palmitoyltransferase. <i>FEBS Letters</i> , 2011, 585, 2665-2670.	2.8	27
18	Melatonin receptor genes. <i>Annals of Medicine</i> , 1998, 30, 88-94.	3.8	25

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19	GFAP as a biomarker in frontotemporal dementia and primary psychiatric disorders: diagnostic and prognostic performance. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 1305-1312.	1.9	25
20	Mechanism by which 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) reduces circulating melatonin levels in the rat. <i>Toxicology</i> , 1996, 107, 85-97.	4.2	24
21	Plant-derived compounds strigolactone GR24 and pinosylvin activate SIRT1 and enhance glucose uptake in rat skeletal muscle cells. <i>Scientific Reports</i> , 2017, 7, 17606.	3.3	24
22	Cholinergic signaling in the rat pineal gland. <i>Cellular and Molecular Neurobiology</i> , 1995, 15, 177-192.	3.3	23
23	The functional role of cysteines adjacent to the NRY motif of the human MT1 melatonin receptor. <i>Journal of Pineal Research</i> , 2005, 39, 1-11.	7.4	23
24	Genetic studies of abdominal MRI data identify genes regulating hepcidin as major determinants of liver iron concentration. <i>Journal of Hepatology</i> , 2019, 71, 594-602.	3.7	23
25	Inverse agonist exposure enhances ligand binding and G protein activation of the human MT1 melatonin receptor, but leads to receptor down-regulation. <i>Journal of Pineal Research</i> , 2007, 43, 255-262.	7.4	22
26	Discovery of biomarkers for glycaemic deterioration before and after the onset of type 2 diabetes: descriptive characteristics of the epidemiological studies within the IMI DIRECT Consortium. <i>Diabetologia</i> , 2019, 62, 1601-1615.	6.3	22
27	BET Inhibition Upregulates SIRT1 and Alleviates Inflammatory Responses. <i>ChemBioChem</i> , 2015, 16, 1997-2001.	2.6	21
28	Structural properties for selective and efficient l-type amino acid transporter 1 (LAT1) mediated cellular uptake. <i>International Journal of Pharmaceutics</i> , 2018, 544, 91-99.	5.2	19
29	Potent and selective N-(4-sulfamoylphenyl)thiourea-based GPR55 agonists. <i>European Journal of Medicinal Chemistry</i> , 2016, 107, 119-132.	5.5	18
30	Strigolactone GR24 and pinosylvin attenuate adipogenesis and inflammation of white adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2018, 499, 164-169.	2.1	17
31	Profiles of Glucose Metabolism in Different Prediabetes Phenotypes, Classified by Fasting Glycemia, 2-Hour OGTT, Glycated Hemoglobin, and 1-Hour OGTT: An IMI DIRECT Study. <i>Diabetes</i> , 2021, 70, 2092-2106.	0.6	17
32	Virtual screening approach of sirtuin inhibitors results in two new scaffolds. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 76, 27-32.	4.0	16
33	Processes Underlying Glycemic Deterioration in Type 2 Diabetes: An IMI DIRECT Study. <i>Diabetes Care</i> , 2021, 44, 511-518.	8.6	16
34	Serum GFAP and NfL levels in benign relapsing-remitting multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2021, 56, 103280.	2.0	14
35	AROS has a context-dependent effect on SIRT1. <i>FEBS Letters</i> , 2014, 588, 1523-1528.	2.8	13
36	The role of physical activity in metabolic homeostasis before and after the onset of type 2 diabetes: an IMI DIRECT study. <i>Diabetologia</i> , 2020, 63, 744-756.	6.3	12

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37	Suppressed heat shock protein response in the kidney of exercise-trained diabetic rats. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 1808-1817.	2.9	11
38	Transcriptomic Analysis of Human Primary Bronchial Epithelial Cells after Chloropicrin Treatment. <i>Chemical Research in Toxicology</i> , 2015, 28, 1926-1935.	3.3	9
39	Treatments with sodium selenate or doxycycline offset diabetes-induced perturbations of thioredoxin-1 levels and antioxidant capacity. <i>Molecular and Cellular Biochemistry</i> , 2011, 351, 125-131.	3.1	8
40	Whole blood co-expression modules associate with metabolic traits and type 2 diabetes: an IMI-DIRECT study. <i>Genome Medicine</i> , 2020, 12, 109.	8.2	8
41	Post-load glucose subgroups and associated metabolic traits in individuals with type 2 diabetes: An IMI-DIRECT study. <i>PLoS ONE</i> , 2020, 15, e0242360.	2.5	7
42	A scaffold replacement approach towards new sirtuin 2 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115231.	3.0	6
43	Impact of structurally diverse BET inhibitors on SIRT1. <i>Gene</i> , 2020, 741, 144558.	2.2	4
44	Dietary metabolite profiling brings new insight into the relationship between nutrition and metabolic risk: An IMI DIRECT study. <i>EBioMedicine</i> , 2020, 58, 102932.	6.1	3
45	Strigolactone GR24 upregulates target genes of the cytoprotective transcription factor Nrf2 in skeletal muscle. <i>F1000Research</i> , 2018, 7, 1459.	1.6	2
46	Strigolactone GR24 upregulates Nrf2 target genes and may protect against oxidative stress in skeletal muscle. <i>F1000Research</i> , 2018, 7, 1459.	1.6	1
47	Oxygen-18 and carbon-13 isotopes in eCO ₂ and erythrocytes carbonic anhydrase activity of Finnish prediabetic population. <i>Journal of Breath Research</i> , 2021, 15, 021001.	3.0	1
48	TCDD alters melatonin metabolism in fish hepatocytes. <i>Pathophysiology</i> , 1998, 5, 99.	2.2	0
49	Title is missing!. , 2020, 17, e1003149.		0
50	Title is missing!. , 2020, 17, e1003149.		0
51	Title is missing!. , 2020, 17, e1003149.		0
52	Title is missing!. , 2020, 17, e1003149.		0
53	Title is missing!. , 2020, 17, e1003149.		0