Valerio Leoni

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6680149/publications.pdf

Version: 2024-02-01

95 papers	4,307 citations	101496 36 h-index	114418 63 g-index
102 all docs	102 docs citations	102 times ranked	5539 citing authors

#	Article	IF	Citations
1	NAD+-Dependent Activation of Sirt1 Corrects the Phenotype in a Mouse Model of Mitochondrial Disease. Cell Metabolism, 2014, 19, 1042-1049.	7.2	293
2	Oxysterols and neurodegenerative diseases. Molecular Aspects of Medicine, 2009, 30, 171-179.	2.7	250
3	Oxysterols as biomarkers in neurodegenerative diseases. Chemistry and Physics of Lipids, 2011, 164, 515-524.	1.5	184
4	Cholesterol Defect Is Marked across Multiple Rodent Models of Huntington's Disease and Is Manifest in Astrocytes. Journal of Neuroscience, 2010, 30, 10844-10850.	1.7	136
5	Plasma 24S-hydroxycholesterol and caudate MRI in pre-manifest and early Huntington's disease. Brain, 2008, 131, 2851-2859.	3.7	127
6	Side chain oxidized oxysterols in cerebrospinal fluid and the integrity of blood-brain and blood-cerebrospinal fluid barriers. Journal of Lipid Research, 2003, 44, 793-799.	2.0	123
7	Peroxisome-Proliferator-Activated Receptor Gamma Coactivator 1 Â Contributes to Dysmyelination in Experimental Models of Huntington's Disease. Journal of Neuroscience, 2011, 31, 9544-9553.	1.7	117
8	Diagnostic use of cerebral and extracerebral oxysterols. Clinical Chemistry and Laboratory Medicine, 2004, 42, 186-91.	1.4	114
9	Changes in human plasma levels of the brain specific oxysterol 24S-hydroxycholesterol during progression of multiple sclerosis. Neuroscience Letters, 2002, 331, 163-166.	1.0	113
10	Cholesterol biosynthesis pathway is disturbed in YAC128 mice and is modulated by huntingtin mutation. Human Molecular Genetics, 2007, 16, 2187-2198.	1.4	106
11	Metabolic consequences of mitochondrial coenzyme A deficiency in patients with PANK2 mutations. Molecular Genetics and Metabolism, 2012, 105, 463-471.	0.5	106
12	Progressive dysfunction of the cholesterol biosynthesis pathway in the R6/2 mouse model of Huntingtonâ€™s disease. Neurobiology of Disease, 2007, 28, 133-142.	2.1	104
13	24S-hydroxycholesterol in plasma: A marker of cholesterol turnover in neurodegenerative diseases. Biochimie, 2013, 95, 595-612.	1.3	96
14	Oxysterols and Parkinson's disease: Evidence that levels of 24S-hydroxycholesterol in cerebrospinal fluid correlates with the duration of the disease. Neuroscience Letters, 2013, 555, 102-105.	1.0	95
15	The effect of apolipoprotein E (ApoE) genotype on biomarkers of amyloidogenesis, tau pathology and neurodegeneration in Alzheimer's disease. Clinical Chemistry and Laboratory Medicine, 2011, 49, 375-383.	1.4	93
16	Cholesterolâ€loaded nanoparticles ameliorate synaptic and cognitive function in <scp>H</scp> untington's disease mice. EMBO Molecular Medicine, 2015, 7, 1547-1564.	3.3	84
17	The impairment of cholesterol metabolism in Huntington disease. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 1095-1105.	1.2	84
18	Are the CSF levels of 24S-hydroxycholesterol a sensitive biomarker for mild cognitive impairment?. Neuroscience Letters, 2006, 397, 83-87.	1.0	83

#	Article	IF	Citations
19	Plasma levels of 24S-hydroxycholesterol reflect brain volumes in patients without objective cognitive impairment but not in those with Alzheimer's disease. Neuroscience Letters, 2009, 462, 89-93.	1.0	82
20	Genetic connections between neurological disorders and cholesterol metabolism. Journal of Lipid Research, 2010, 51, 2489-2503.	2.0	81
21	Plasma 24S-hydroxycholesterol correlation with markers of Huntington disease progression. Neurobiology of Disease, 2013, 55, 37-43.	2.1	80
22	Whole body cholesterol metabolism is impaired in Huntington's disease. Neuroscience Letters, 2011, 494, 245-249.	1.0	75
23	The cholesterol metabolite 27-hydroxycholesterol inhibits SARS-CoV-2 and is markedly decreased in COVID-19 patients. Redox Biology, 2020, 36, 101682.	3.9	73
24	Upregulation of Brain Renin Angiotensin System by 27-Hydroxycholesterol in Alzheimer's Disease. Journal of Alzheimer's Disease, 2011, 24, 669-679.	1.2	71
25	Levels of ApoE in cerebrospinal fluid are correlated with Tau and 24S-hydroxycholesterol in patients with cognitive disorders. Neuroscience Letters, 2007, 425, 78-82.	1.0	69
26	Levels of 7-oxocholesterol in cerebrospinal fluid are more than one thousand times lower than reported in multiple sclerosis. Journal of Lipid Research, 2005, 46, 191-195.	2.0	67
27	Oxysterols as markers of neurological disease â€“ a review. Scandinavian Journal of Clinical and Laboratory Investigation, 2009, 69, 22-25.	0.6	66
28	Links between ApoE, brain cholesterol metabolism, tau and amyloid Î²-peptide in patients with cognitive impairment. Biochemical Society Transactions, 2010, 38, 1021-1025.	1.6	57
29	Evidence for sex difference in the <scp>CSF</scp>/plasma albumin ratio in ~20 000 patients and 335 healthy volunteers. Journal of Cellular and Molecular Medicine, 2018, 22, 5151-5154.	1.6	55
30	Biomarker Report from the Phase II Lamotrigine Trial in Secondary Progressive MS â€“ Neurofilament as a Surrogate of Disease Progression. PLoS ONE, 2013, 8, e70019.	1.1	48
31	Mitochondrial dysfunctions in 7-ketocholesterol-treated 158N oligodendrocytes without or with Î±-tocopherol: Impacts on the cellular profil of tricarboxylic cycle-associated organic acids, long chain saturated and unsaturated fatty acids, oxysterols, cholesterol and cholesterol precursors. Journal of Steroid Biochemistry and Molecular Biology, 2017, 169, 96-110.	1.2	48
32	Inhibition of herpes simplex-1 virus replication by 25-hydroxycholesterol and 27-hydroxycholesterol. Redox Biology, 2017, 12, 522-527.	3.9	47
33	Cardioprotection by the TSPO ligand 4â€²-chlorodiazepam is associated with inhibition of mitochondrial accumulation of cholesterol at reperfusion. Cardiovascular Research, 2013, 98, 420-427.	1.8	45
34	MIF/CD74 axis is a target for novel therapies in colon carcinomatosis. Journal of Experimental and Clinical Cancer Research, 2017, 36, 16.	3.5	43
35	Old and New Beta-Lactamase Inhibitors: Molecular Structure, Mechanism of Action, and Clinical Use. Antibiotics, 2021, 10, 995.	1.5	39
36	Potential diagnostic applications of side chain oxysterols analysis in plasma and cerebrospinal fluid. Biochemical Pharmacology, 2013, 86, 26-36.	2.0	37

#	Article	IF	Citations
37	Induction of peroxisomal changes in oligodendrocytes treated with 7-ketocholesterol: Attenuation by Î±-tocopherol. Biochimie, 2018, 153, 181-202.	1.3	37
38	Early and brain region-specific decrease of de novo cholesterol biosynthesis in Huntington's disease: A cross-validation study in Q175 knock-in mice. Neurobiology of Disease, 2017, 98, 66-76.	2.1	36
39	Plasma cerebrosterol and magnetic resonance imaging measures in multiple sclerosis. Clinical Neurology and Neurosurgery, 2006, 108, 456-460.	0.6	35
40	Oxysterols present in Alzheimer's disease brain induce synaptotoxicity by activating astrocytes: A major role for lipocalin-2. Redox Biology, 2021, 39, 101837.	3.9	35
41	Diagnostic Power of 24S-Hydroxycholesterol in Cerebrospinal Fluid: Candidate Marker of Brain Health. Journal of Alzheimer's Disease, 2013, 36, 739-747.	1.2	34
42	On the fluxes of side-chain oxidized oxysterols across blood-brain and blood-CSF barriers and origin of these steroids in CSF (Review). Journal of Steroid Biochemistry and Molecular Biology, 2019, 188, 86-89.	1.2	33
43	Insights into kinetics, release, and behavioral effects of brain-targeted hybrid nanoparticles for cholesterol delivery in Huntington's disease. Journal of Controlled Release, 2021, 330, 587-598.	4.8	33
44	Biological Variation of Serum Amyloid A in Healthy Subjects. Clinical Chemistry, 2001, 47, 1498-1499.	1.5	32
45	Biotin attenuation of oxidative stress, mitochondrial dysfunction, lipid metabolism alteration and 7Î²-hydroxycholesterol-induced cell death in 158N murine oligodendrocytes. Free Radical Research, 2019, 53, 535-561.	1.5	29
46	Increased production of 27-hydroxycholesterol in human colorectal cancer advanced stage: Possible contribution to cancer cell survival and infiltration. Free Radical Biology and Medicine, 2019, 136, 35-44.	1.3	28
47	First international descriptive and interventional survey for cholesterol and non-cholesterol sterol determination by gas- and liquid-chromatographyâ€“Urgent need for harmonisation of analytical methods. Journal of Steroid Biochemistry and Molecular Biology, 2019, 190, 115-125.	1.2	28
48	Purple corn extract induces long-lasting reprogramming and M2 phenotypic switch of adipose tissue macrophages in obese mice. Journal of Translational Medicine, 2019, 17, 237.	1.8	27
49	Study of cholesterol metabolism in Huntingtonâ€²s disease. Biochemical and Biophysical Research Communications, 2014, 446, 697-701.	1.0	24
50	Dimethyl fumarate and monomethyl fumarate attenuate oxidative stress and mitochondrial alterations leading to oxiapoptophagy in 158N murine oligodendrocytes treated with 7Î²-hydroxycholesterol. Journal of Steroid Biochemistry and Molecular Biology, 2019, 194, 105432.	1.2	24
51	Bacterial and fungal colonization of the respiratory tract in COVID-19 patients should not be neglected. American Journal of Infection Control, 2020, 48, 1130-1131.	1.1	24
52	7-Ketocholesterol: Effects on viral infections and hypothetical contribution in COVID-19. Journal of Steroid Biochemistry and Molecular Biology, 2021, 212, 105939.	1.2	24
53	4-IPP, a selective MIF inhibitor, causes mitotic catastrophe in thyroid carcinomas. Endocrine-Related Cancer, 2015, 22, 759-775.	1.6	23
54	Regular treadmill exercise inhibits mitochondrial accumulation of cholesterol and oxysterols during myocardial ischemia-reperfusion in wild-type and ob/ob mice. Free Radical Biology and Medicine, 2016, 101, 317-324.	1.3	23

#	Article	IF	Citations
55	A TSPO ligand prevents mitochondrial sterol accumulation and dysfunction during myocardial ischemia-reperfusion in hypercholesterolemic rats. Biochemical Pharmacology, 2017, 142, 87-95.	2.0	23
56	Differences in brain cholesterol metabolism and insulin in two subgroups of patients with different CSF biomarkers but similar white matter lesions suggest different pathogenic mechanisms. Neuroscience Letters, 2012, 510, 121-126.	1.0	21
57	Antiviral oxysterols are present in human milk at diverse stages of lactation. Journal of Steroid Biochemistry and Molecular Biology, 2019, 193, 105424.	1.2	21
58	Oxysterols: From redox bench to industry. Redox Biology, 2022, 49, 102220.	3.9	21
59	Octadecaneuropeptide (ODN) Induces N2a Cells Differentiation through a PKA/PLC/PKC/MEK/ERK-Dependent Pathway: Incidence on Peroxisome, Mitochondria, and Lipid Profiles. Molecules, 2019, 24, 3310.	1.7	19
60	High levels of 15-oxygenated steroids in circulation of patients with multiple sclerosis: fact or fiction?. Journal of Lipid Research, 2011, 52, 170-174.	2.0	18
61	Hsp22 overexpression induces myocardial hypertrophy, senescence and reduced life span through enhanced oxidative stress. Free Radical Biology and Medicine, 2019, 137, 194-200.	1.3	17
62	SREBP2 gene therapy targeting striatal astrocytes ameliorates Huntingtonâ€™s disease phenotypes. Brain, 2021, 144, 3175-3190.	3.7	17
63	International descriptive and interventional survey for oxycholesterol determination by gas- and liquid-chromatographic methods. Biochimie, 2018, 153, 26-32.	1.3	16
64	Modulation of cell proteome by 25-hydroxycholesterol and 27-hydroxycholesterol: A link between cholesterol metabolism and antiviral defense. Free Radical Biology and Medicine, 2020, 149, 30-36.	1.3	16
65	Role of 27-hydroxycholesterol and its metabolism in cancer progression: Human studies. Biochemical Pharmacology, 2022, 196, 114618.	2.0	13
66	Pitfalls in the detection of cholesterol in Huntingtonâ€™s disease models. PLOS Currents, 2012, 4, e505886e9a1968.	1.4	13
67	Striatal infusion of cholesterol promotes doseâ€dependent behavioral benefits and exerts diseaseâ€modifying effects in Huntington's disease mice. EMBO Molecular Medicine, 2020, 12, e12519.	3.3	13
68	Effect of industrial processing and storage procedures on oxysterols in milk and milk products. Food and Function, 2021, 12, 771-780.	2.1	12
69	Oxysterols and multiple sclerosis: Physiopathology, evolutive biomarkers and therapeutic strategy. Journal of Steroid Biochemistry and Molecular Biology, 2021, 210, 105870.	1.2	12
70	Inverse correlation between plasma oxysterol and LDL-cholesterol levels in hepatitis C virus-infected patients. Digestive and Liver Disease, 2012, 44, 245-250.	0.4	11
71	Role of Diet and Nutrients in SARS-CoV-2 Infection: Incidence on Oxidative Stress, Inflammatory Status and Viral Production. Nutrients, 2022, 14, 2194.	1.7	11
72	Glucose Accelerates Copper- and Ceruloplasmin-induced Oxidation of Low-density Lipoprotein and Whole Serum. Free Radical Research, 2002, 36, 521-529.	1.5	10

#	Article	IF	Citations
73	Baseline characteristics of COVID-19 Italian patients admitted to Desio Hospital, Lombardy: a retrospective study. Scandinavian Journal of Clinical and Laboratory Investigation, 2021, 81, 18-23.	0.6	9
74	Protective effects of milk thistle (Sylibum marianum) seed oil and Î±-tocopherol against 7Î²-hydroxycholesterol-induced peroxisomal alterations in murine C2C12 myoblasts: Nutritional insights associated with the concept of pexotherapy. Steroids, 2022, 183, 109032.	0.8	9
75	Sex difference in flux of 27â€hydroxycholesterol into the brain. British Journal of Pharmacology, 2021, 178, 3194-3204.	2.7	8
76	Antimicrobial Resistance Trends of Escherichia coli Isolates from Outpatient and Inpatient Urinary Infections over a 20-Year Period. Microbial Drug Resistance, 2022, 28, 63-72.	0.9	8
77	PEX7Mutations Cause Congenital Cataract Retinopathy and Late-Onset Ataxia and Cognitive		

#	Article	IF	Citations
91	Spheroplasts, poorly known but clinically relevant particles of urinary sediment. Clinica Chimica Acta, 2021, 515, 13-15.	0.5	0
92	I06â€…SREBP2 delivery to striatal astrocytes normalizes transcription of cholesterol biosynthesis genes and ameliorates pathological features in huntingtonâ€™s disease. , 2021, , .		0
93	Cholesterol Metabolism and Oxidative Stress in Alzheimerâ€™s Disease. Oxidative Stress in Applied Basic Research and Clinical Practice, 2013, , 119-135.	0.4	0
94	Antibody response after two doses of the SARS-CoV-2 Comirnaty vaccine in a Covid-19 positive and Covid-19 negative Italian healthcare workers cohort. Scandinavian Journal of Clinical and Laboratory Investigation, 2022, 82, 90-95.	0.6	0
95	24S-Hydroxycholesterol and Cerebellar Degeneration: Insights from SCA2. Cerebellum, 0, , .	1.4	0