Valerio Leoni

List of Publications by Year
in descending order

95 papers	4,307 citations	101543 36 h-index	114465 63 g-index
102 all docs	102 docs citations	102 times ranked	5539 citing authors

#	Article	IF	Citations
1	Role of 27-hydroxycholesterol and its metabolism in cancer progression: Human studies. Biochemical Pharmacology, 2022, 196, 114618.	4.4	13
2	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.	2.0	8
3	Oxysterols: From redox bench to industry. Redox Biology, 2022, 49, 102220.	9.0	21
4	DNA Damage in Circulating Hematopoietic Progenitor Stem Cells as Promising Biological Sensor of Frailty. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 1279-1286.	3.6	5
5	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.	1.2	0
6	Oxysterols as Reliable Markers of Quality and Safety in Cholesterol Containing Food Ingredients and Products. Frontiers in Nutrition, 2022, 9, 853460.	3.7	7
7	Presence of cholesterol oxides in milk chocolates and their correlation with milk powder freshness. PLoS ONE, 2022, 17, e0264288.	2.5	7
8	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.	1.8	9
9	Prevalence and species distribution of microorganisms isolated among non-pregnant women affected by vulvovaginal candidiasis: A retrospective study over a 20 year-period. Journal De Mycologie Medicale, 2022, 32, 101278.	1.5	6
10	Role of Diet and Nutrients in SARS-CoV-2 Infection: Incidence on Oxidative Stress, Inflammatory Status and Viral Production. Nutrients, 2022, 14, 2194.	4.1	11
11	High cholesterol diet, oxysterols and their impact on the gutâ€“brain axis. , 2022, 2022, R15-R25.		3
12	Effect of industrial processing and storage procedures on oxysterols in milk and milk products. Food and Function, 2021, 12, 771-780.	4.6	12
13	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.	1.2	9
14	Oxysterols present in Alzheimer's disease brain induce synaptotoxicity by activating astrocytes: A major role for lipocalin-2. Redox Biology, 2021, 39, 101837.	9.0	35
15	Sex difference in flux of 27â€hydroxycholesterol into the brain. British Journal of Pharmacology, 2021, 178, 3194-3204.	5.4	8
16	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.	9.9	33
17	Spheroplasts, poorly known but clinically relevant particles of urinary sediment. Clinica Chimica Acta, 2021, 515, 13-15.	1.1	0
18	SREBP2 gene therapy targeting striatal astrocytes ameliorates Huntingtonâ€™s disease phenotypes. Brain, 2021, 144, 3175-3190.	7.6	17

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19	Trend of 25-hydroxycholesterol and 27-hydroxycholesterol plasma levels in patients affected by active chronic hepatitis B virus infection and inactive carriers. Journal of Steroid Biochemistry and Molecular Biology, 2021, 210, 105854.	2.5	7
20	Oxysterols and multiple sclerosis: Physiopathology, evolutive biomarkers and therapeutic strategy. Journal of Steroid Biochemistry and Molecular Biology, 2021, 210, 105870.	2.5	12
21	Old and New Beta-Lactamase Inhibitors: Molecular Structure, Mechanism of Action, and Clinical Use. Antibiotics, 2021, 10, 995.	3.7	39
22	I06â€…SREBP2 delivery to striatal astrocytes normalizes transcription of cholesterol biosynthesis genes and ameliorates pathological features in huntingtonâ€™s disease. , 2021, , .		0
23	7-Ketocholesterol: Effects on viral infections and hypothetical contribution in COVID-19. Journal of Steroid Biochemistry and Molecular Biology, 2021, 212, 105939.	2.5	24
24	In Vitro Antimicrobial Activity of the Siderophore Cephalosporin Cefiderocol against Acinetobacter baumannii Strains Recovered from Clinical Samples. Antibiotics, 2021, 10, 1309.	3.7	3
25	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.	2.9	16
26	The cholesterol metabolite 27-hydroxycholesterol inhibits SARS-CoV-2 and is markedly decreased in COVID-19 patients. Redox Biology, 2020, 36, 101682.	9.0	73
27	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.	2.3	24
28	Involvement of 27-Hydroxycholesterol in Mitotane Action on Adrenocortical Carcinoma. Cells, 2020, 9, 885.	4.1	2
29	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.	6.9	13
30	Antiviral oxysterols are present in human milk at diverse stages of lactation. Journal of Steroid Biochemistry and Molecular Biology, 2019, 193, 105424.	2.5	21
31	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.	2.5	24
32	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.	4.4	27
33	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.	3.8	19
34	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.	3.3	29
35	Hsp22 overexpression induces myocardial hypertrophy, senescence and reduced life span through enhanced oxidative stress. Free Radical Biology and Medicine, 2019, 137, 194-200.	2.9	17
36	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.	2.9	28

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37	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.	2.5	28
38	Individual Comparison of Cholesterol Metabolism in Normal and Tumour Areas in Radical Prostatectomy Specimens from Patients with Prostate Cancer: Results of the CHOMECAP Study. European Urology Oncology, 2019, 2, 198-206.	5.4	5
39	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.	2.5	33
40	Intestinal permeability and MÃ©niÃ¨re's disease. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2018, 39, 153-156.	1.3	7
41	International descriptive and interventional survey for oxycholesterol determination by gas- and liquid-chromatographic methods. Biochimie, 2018, 153, 26-32.	2.6	16
42	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.	3.6	55
43	Induction of peroxisomal changes in oligodendrocytes treated with 7-ketocholesterol: Attenuation by Î±-tocopherol. Biochimie, 2018, 153, 181-202.	2.6	37
44	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.	2.5	48
45	MIF/CD74 axis is a target for novel therapies in colon carcinomatosis. Journal of Experimental and Clinical Cancer Research, 2017, 36, 16.	8.6	43
46	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.	4.4	36
47	Inhibition of herpes simplex-1 virus replication by 25-hydroxycholesterol and 27-hydroxycholesterol. Redox Biology, 2017, 12, 522-527.	9.0	47
48	A TSPO ligand prevents mitochondrial sterol accumulation and dysfunction during myocardial ischemia-reperfusion in hypercholesterolemic rats. Biochemical Pharmacology, 2017, 142, 87-95.	4.4	23
49	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.	2.9	23
50	Cholesterolâ€loaded nanoparticles ameliorate synaptic and cognitive function in <scp>H</scp> untington's disease mice. EMBO Molecular Medicine, 2015, 7, 1547-1564.	6.9	84
51	PEX7Mutations Cause Congenital Cataract Retinopathy and Late-Onset Ataxia and Cognitive		

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55	NAD+-Dependent Activation of Sirt1 Corrects the Phenotype in a Mouse Model of Mitochondrial Disease. Cell Metabolism, 2014, 19, 1042-1049.	16.2	293
56	Study of cholesterol metabolism in Huntingtonâ€²s disease. Biochemical and Biophysical Research Communications, 2014, 446, 697-701.	2.1	24
57	Potential diagnostic applications of side chain oxysterols analysis in plasma and cerebrospinal fluid. Biochemical Pharmacology, 2013, 86, 26-36.	4.4	37
58	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.	3.8	45
59	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.	2.1	95
60	24S-hydroxycholesterol in plasma: A marker of cholesterol turnover in neurodegenerative diseases. Biochimie, 2013, 95, 595-612.	2.6	96
61	Plasma 24S-hydroxycholesterol correlation with markers of Huntington disease progression. Neurobiology of Disease, 2013, 55, 37-43.	4.4	80
62	Diagnostic Power of 24S-Hydroxycholesterol in Cerebrospinal Fluid: Candidate Marker of Brain Health. Journal of Alzheimer's Disease, 2013, 36, 739-747.	2.6	34
63	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.	2.5	48
64	Cholesterol Metabolism and Oxidative Stress in Alzheimerâ€™s Disease. Oxidative Stress in Applied Basic Research and Clinical Practice, 2013, , 119-135.	0.4	0
65	Metabolic consequences of mitochondrial coenzyme A deficiency in patients with PANK2 mutations. Molecular Genetics and Metabolism, 2012, 105, 463-471.	1.1	106
66	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.	2.1	21
67	Inverse correlation between plasma oxysterol and LDL-cholesterol levels in hepatitis C virus-infected patients. Digestive and Liver Disease, 2012, 44, 245-250.	0.9	11
68	Pitfalls in the detection of cholesterol in Huntingtonâ€™s disease models. PLOS Currents, 2012, 4, e505886e9a1968.	1.4	13
69	Whole body cholesterol metabolism is impaired in Huntington's disease. Neuroscience Letters, 2011, 494, 245-249.	2.1	75
70	Oxysterols as biomarkers in neurodegenerative diseases. Chemistry and Physics of Lipids, 2011, 164, 515-524.	3.2	184
71	Relationship between cholesterol metabolism, ApoE and brain volumes in Alzheimerâ€™s disease. Future Neurology, 2011, 6, 613-626.	0.5	1
72	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.	3.6	117

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73	High levels of 15-oxygenated steroids in circulation of patients with multiple sclerosis: fact or fiction?. Journal of Lipid Research, 2011, 52, 170-174.	4.2	18
74	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.	2.3	93
75	Upregulation of Brain Renin Angiotensin System by 27-Hydroxycholesterol in Alzheimer's Disease. Journal of Alzheimer's Disease, 2011, 24, 669-679.	2.6	71
76	Links between ApoE, brain cholesterol metabolism, tau and amyloid Î²-peptide in patients with cognitive impairment. Biochemical Society Transactions, 2010, 38, 1021-1025.	3.4	57
77	Genetic connections between neurological disorders and cholesterol metabolism. Journal of Lipid Research, 2010, 51, 2489-2503.	4.2	81
78	Cholesterol Defect Is Marked across Multiple Rodent Models of Huntington's Disease and Is Manifest in Astrocytes. Journal of Neuroscience, 2010, 30, 10844-10850.	3.6	136
79	Oxysterols and neurodegenerative diseases. Molecular Aspects of Medicine, 2009, 30, 171-179.	6.4	250
80	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.	2.1	82
81	Oxysterols as markers of neurological disease â€“ a review. Scandinavian Journal of Clinical and Laboratory Investigation, 2009, 69, 22-25.	1.2	66
82	Plasma 24S-hydroxycholesterol and caudate MRI in pre-manifest and early Huntington's disease. Brain, 2008, 131, 2851-2859.	7.6	127
83	Cholesterol biosynthesis pathway is disturbed in YAC128 mice and is modulated by huntingtin mutation. Human Molecular Genetics, 2007, 16, 2187-2198.	2.9	106
84	Levels of ApoE in cerebrospinal fluid are correlated with Tau and 24S-hydroxycholesterol in patients with cognitive disorders. Neuroscience Letters, 2007, 425, 78-82.	2.1	69
85	Progressive dysfunction of the cholesterol biosynthesis pathway in the R6/2 mouse model of Huntingtonâ€™s disease. Neurobiology of Disease, 2007, 28, 133-142.	4.4	104
86	Plasma cerebrosterol and magnetic resonance imaging measures in multiple sclerosis. Clinical Neurology and Neurosurgery, 2006, 108, 456-460.	1.4	35
87	Are the CSF levels of 24S-hydroxycholesterol a sensitive biomarker for mild cognitive impairment?. Neuroscience Letters, 2006, 397, 83-87.	2.1	83
88	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.	4.2	67
89	Diagnostic use of cerebral and extracerebral oxysterols. Clinical Chemistry and Laboratory Medicine, 2004, 42, 186-91.	2.3	114
90	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.	4.2	123

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91	Glucose Accelerates Copper- and Ceruloplasmin-induced Oxidation of Low-density Lipoprotein and Whole Serum. Free Radical Research, 2002, 36, 521-529.	3.3	10
92	Changes in human plasma levels of the brain specific oxysterol 24S-hydroxycholesterol during progression of multiple sclerosis. Neuroscience Letters, 2002, 331, 163-166.	2.1	113
93	Biological Variation of Serum Amyloid A in Healthy Subjects. Clinical Chemistry, 2001, 47, 1498-1499.	3.2	32
94	Cholesterol Metabolism in Huntingtonâ€™s Disease. , 0, , .		0
95	24S-Hydroxycholesterol and Cerebellar Degeneration: Insights from SCA2. Cerebellum, 0, , .	2.5	0