

Claudio Caccia

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,680
citations

257450

24
h-index

289244

40
g-index

54
all docs

54
docs citations

54
times ranked

3158
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxysterols as biomarkers in neurodegenerative diseases. <i>Chemistry and Physics of Lipids</i> , 2011, 164, 515-524.	3.2	184
2	Metabolic consequences of mitochondrial coenzyme A deficiency in patients with PANK2 mutations. <i>Molecular Genetics and Metabolism</i> , 2012, 105, 463-471.	1.1	106
3	24S-hydroxycholesterol in plasma: A marker of cholesterol turnover in neurodegenerative diseases. <i>Biochimie</i> , 2013, 95, 595-612.	2.6	96
4	Topical Review: Schizencephaly: Clinical Spectrum, Epilepsy, and Pathogenesis. <i>Journal of Child Neurology</i> , 2005, 20, 313-318.	1.4	92
5	Cholesterol-loaded nanoparticles ameliorate synaptic and cognitive function in Huntington's disease mice. <i>EMBO Molecular Medicine</i> , 2015, 7, 1547-1564.	6.9	84
6	The impairment of cholesterol metabolism in Huntington disease. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 1095-1105.	2.4	84
7	The cholesterol metabolite 27-hydroxycholesterol inhibits SARS-CoV-2 and is markedly decreased in COVID-19 patients. <i>Redox Biology</i> , 2020, 36, 101682.	9.0	73
8	NMDA Receptor Composition Differs Among Anatomically Diverse Malformations of Cortical Development. <i>Journal of Neuropathology and Experimental Neurology</i> , 2006, 65, 883-893.	1.7	48
9	Mitochondrial dysfunctions in 7-ketocholesterol-treated 158N oligodendrocytes without or with α -tocopherol: Impacts on the cellular profile of tricarboxylic cycle-associated organic acids, long chain saturated and unsaturated fatty acids, oxysterols, cholesterol and cholesterol precursors. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 169, 96-110.	2.5	48
10	Inhibition of herpes simplex-1 virus replication by 25-hydroxycholesterol and 27-hydroxycholesterol. <i>Redox Biology</i> , 2017, 12, 522-527.	9.0	47
11	Cardioprotection by the TSPO ligand 4 β -chlorodiazepam is associated with inhibition of mitochondrial accumulation of cholesterol at reperfusion. <i>Cardiovascular Research</i> , 2013, 98, 420-427.	3.8	45
12	Retinoic acid reduces human neuroblastoma cell migration and invasiveness: effects on DCX, LIS1, neurofilaments-68 and vimentin expression. <i>BMC Cancer</i> , 2008, 8, 30.	2.6	43
13	MIF/CD74 axis is a target for novel therapies in colon carcinomatosis. <i>Journal of Experimental and Clinical Cancer Research</i> , 2017, 36, 16.	8.6	43
14	Potential diagnostic applications of side chain oxysterols analysis in plasma and cerebrospinal fluid. <i>Biochemical Pharmacology</i> , 2013, 86, 26-36.	4.4	37
15	Induction of peroxisomal changes in oligodendrocytes treated with 7-ketocholesterol: Attenuation by α -tocopherol. <i>Biochimie</i> , 2018, 153, 181-202.	2.6	37
16	Early and brain region-specific decrease of de novo cholesterol biosynthesis in Huntington's disease: A cross-validation study in Q175 knock-in mice. <i>Neurobiology of Disease</i> , 2017, 98, 66-76.	4.4	36
17	Oxysterols present in Alzheimer's disease brain induce synaptotoxicity by activating astrocytes: A major role for lipocalin-2. <i>Redox Biology</i> , 2021, 39, 101837.	9.0	35
18	Insights into kinetics, release, and behavioral effects of brain-targeted hybrid nanoparticles for cholesterol delivery in Huntington's disease. <i>Journal of Controlled Release</i> , 2021, 330, 587-598.	9.9	33

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19	CRISPR/Cas9-mediated knockout of Abcd1 and Abcd2 genes in BV-2 cells: novel microglial models for X-linked Adrenoleukodystrophy. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 704-714.	2.4	32
20	A microglial cell model for acyl-CoA oxidase 1 deficiency. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 567-576.	2.4	32
21	Biotin attenuation of oxidative stress, mitochondrial dysfunction, lipid metabolism alteration and 7 β -hydroxycholesterol-induced cell death in 158N murine oligodendrocytes. <i>Free Radical Research</i> , 2019, 53, 535-561.	3.3	29
22	Increased production of 27-hydroxycholesterol in human colorectal cancer advanced stage: Possible contribution to cancer cell survival and infiltration. <i>Free Radical Biology and Medicine</i> , 2019, 136, 35-44.	2.9	28
23	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. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 190, 115-125.	2.5	28
24	Purple corn extract induces long-lasting reprogramming and M2 phenotypic switch of adipose tissue macrophages in obese mice. <i>Journal of Translational Medicine</i> , 2019, 17, 237.	4.4	27
25	Study of cholesterol metabolism in Huntingtonâ€™s disease. <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 697-701.	2.1	24
26	Dimethyl fumarate and monomethyl fumarate attenuate oxidative stress and mitochondrial alterations leading to oxiaoptophagy in 158N murine oligodendrocytes treated with 7 β -hydroxycholesterol. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 194, 105432.	2.5	24
27	4-IPP, a selective MIF inhibitor, causes mitotic catastrophe in thyroid carcinomas. <i>Endocrine-Related Cancer</i> , 2015, 22, 759-775.	3.1	23
28	Regular treadmill exercise inhibits mitochondrial accumulation of cholesterol and oxysterols during myocardial ischemia-reperfusion in wild-type and ob/ob mice. <i>Free Radical Biology and Medicine</i> , 2016, 101, 317-324.	2.9	23
29	A TSPO ligand prevents mitochondrial sterol accumulation and dysfunction during myocardial ischemia-reperfusion in hypercholesterolemic rats. <i>Biochemical Pharmacology</i> , 2017, 142, 87-95.	4.4	23
30	Antiviral oxysterols are present in human milk at diverse stages of lactation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 193, 105424.	2.5	21
31	Molecular Genetics of Niemannâ€™Pick Type C Disease in Italy: An Update on 105 Patients and Description of 18 NPC1 Novel Variants. <i>Journal of Clinical Medicine</i> , 2020, 9, 679.	2.4	21
32	Octadecaneuropeptide (ODN) Induces N2a Cells Differentiation through a PKA/PLC/PKC/MEK/ERK-Dependent Pathway: Incidence on Peroxisome, Mitochondria, and Lipid Profiles. <i>Molecules</i> , 2019, 24, 3310.	3.8	19
33	Lipid accumulation in human breast cancer cells injured by iron depletors. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 75.	8.6	17
34	Hsp22 overexpression induces myocardial hypertrophy, senescence and reduced life span through enhanced oxidative stress. <i>Free Radical Biology and Medicine</i> , 2019, 137, 194-200.	2.9	17
35	<i>SREBP2</i> gene therapy targeting striatal astrocytes ameliorates Huntingtonâ€™s disease phenotypes. <i>Brain</i> , 2021, 144, 3175-3190.	7.6	17
36	International descriptive and interventional survey for oxysterol determination by gas- and liquid-chromatographic methods. <i>Biochimie</i> , 2018, 153, 26-32.	2.6	16

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37	Pitfalls in the detection of cholesterol in Huntington's disease models. PLOS Currents, 2012, 4, e505886e9a1968.	1.4	13
38	Striatal infusion of cholesterol promotes dose-dependent behavioral benefits and exerts disease-modifying effects in Huntington's disease mice. EMBO Molecular Medicine, 2020, 12, e12519.	6.9	13
39	Topical Review: Schizencephaly: Clinical Spectrum, Epilepsy, and Pathogenesis. Journal of Child Neurology, 2004, 19, 313-318.	1.4	12
40	In-vivo brain H1-MR-Spectroscopy identification and quantification of 2-hydroxyglutarate in L-2-Hydroxyglutaric aciduria. Brain Research, 2016, 1648, 506-511.	2.2	9
41	Protective effects of milk thistle (Silybum 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
42	<i>PEX7</i> Mutations Cause Congenital Cataract Retinopathy and Late-Onset Ataxia and Cognitive		