

Thiago C Genaro-Mattos

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

695
citations

567281

15
h-index

552781

26
g-index

31
all docs

31
docs citations

31
times ranked

1025
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation for oxidative stress under hypoxia and metabolic depression: Revisiting the proposal two decades later. <i>Free Radical Biology and Medicine</i> , 2015, 89, 1122-1143.	2.9	158
2	Antioxidant Activity of Caffeic Acid against Iron-Induced Free Radical Generation—A Chemical Approach. <i>PLoS ONE</i> , 2015, 10, e0129963.	2.5	108
3	Cholesterol Biosynthesis and Uptake in Developing Neurons. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3671-3681.	3.5	57
4	Probing lipid-protein adduction with alkynyl surrogates: application to Smith-Lemli-Opitz syndrome. <i>Journal of Lipid Research</i> , 2013, 54, 2842-2850.	4.2	31
5	Dichlorophenyl piperazines, including a recently-approved atypical antipsychotic, are potent inhibitors of DHCR7, the last enzyme in cholesterol biosynthesis. <i>Toxicology and Applied Pharmacology</i> , 2018, 349, 21-28.	2.8	24
6	Probes for protein adduction in cholesterol biosynthesis disorders: Alkynyl lanosterol as a viable sterol precursor. <i>Redox Biology</i> , 2017, 12, 182-190.	9.0	23
7	Cholesterol secosterol aldehyde adduction and aggregation of Cu,Zn-superoxide dismutase: Potential implications in ALS. <i>Redox Biology</i> , 2018, 19, 105-115.	9.0	20
8	Maternal aripiprazole exposure interacts with 7-dehydrocholesterol reductase mutations and alters embryonic neurodevelopment. <i>Molecular Psychiatry</i> , 2019, 24, 491-500.	7.9	20
9	Reevaluation of the 2-deoxyribose assay for determination of free radical formation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 1636-1642.	2.4	19
10	Highly Sensitive Fluorescent Method for the Detection of Cholesterol Aldehydes Formed by Ozone and Singlet Molecular Oxygen. <i>Analytical Chemistry</i> , 2010, 82, 6775-6781.	6.5	19
11	Amiodarone Alters Cholesterol Biosynthesis through Tissue-Dependent Inhibition of Emopamil Binding Protein and Dehydrocholesterol Reductase 24. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1413-1423.	3.5	18
12	Desmosterolosis and desmosterol homeostasis in the developing mouse brain. <i>Journal of Inherited Metabolic Disease</i> , 2019, 42, 934-943.	3.6	17
13	Vulnerability of DHCR7+/Δ mutation carriers to aripiprazole and trazodone exposure. <i>Journal of Lipid Research</i> , 2017, 58, 2139-2146.	4.2	16
14	Prescription Medications Alter Neuronal and Glial Cholesterol Synthesis. <i>ACS Chemical Neuroscience</i> , 2021, 12, 735-745.	3.5	16
15	Assay of Protein and Peptide Adducts of Cholesterol Ozonolysis Products by Hydrophobic and Click Enrichment Methods. <i>Chemical Research in Toxicology</i> , 2014, 27, 1757-1768.	3.3	15
16	Cytochrome <i>c</i> Reacts with Cholesterol Hydroperoxides To Produce Lipid- and Protein-Derived Radicals. <i>Biochemistry</i> , 2015, 54, 2841-2850.	2.5	13
17	Maternal cariprazine exposure inhibits embryonic and postnatal brain cholesterol biosynthesis. <i>Molecular Psychiatry</i> , 2020, 25, 2685-2694.	7.9	13
18	Trazodone effects on developing brain. <i>Translational Psychiatry</i> , 2021, 11, 85.	4.8	13

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19	Oligomerization of Cu,Zn-Superoxide Dismutase (SOD1) by Docosahexaenoic Acid and Its Hydroperoxides In Vitro: Aggregation Dependence on Fatty Acid Unsaturation and Thiols. PLoS ONE, 2015, 10, e0125146.	2.5	13
20	Behavior of the thermal diffusivity of native and oxidized human low-density lipoprotein solutions studied by the Z-scan technique. Journal of Biomedical Optics, 2012, 17, 1050031.	2.6	11
21	Covalent Binding and Anchoring of Cytochrome <i>c</i> to Mitochondrial Mimetic Membranes Promoted by Cholesterol Carboxyaldehyde. Chemical Research in Toxicology, 2013, 26, 1536-1544.	3.3	11
22	Ubiquitous Aberration in Cholesterol Metabolism across Pancreatic Ductal Adenocarcinoma. Metabolites, 2022, 12, 47.	2.9	7
23	Sterol Biosynthesis Inhibition in Pregnant Women Taking Prescription Medications. ACS Pharmacology and Translational Science, 2021, 4, 848-857.	4.9	6
24	Metabolic Control of Sensory Neuron Survival by the p75 Neurotrophin Receptor in Schwann Cells. Journal of Neuroscience, 2021, 41, 8710-8724.	3.6	6
25	Individual and simultaneous treatment with antipsychotic aripiprazole and antidepressant trazodone inhibit sterol biosynthesis in the adult brain. Journal of Lipid Research, 2022, 63, 100249.	4.2	5
26	Interaction of maternal immune activation and genetic interneuronal inhibition. Brain Research, 2021, 1759, 147370.	2.2	4
27	Neonatal Hypoxic-Ischemic Brain Injury Alters Brain Acylcarnitine Levels in a Mouse Model. Metabolites, 2022, 12, 467.	2.9	4
28	Plasma Concentrations and Maternal-Umbilical Cord Plasma Ratios of the Six Most Prevalent Carotenoids across Five Groups of Birth Gestational Age. Antioxidants, 2021, 10, 1409.	5.1	3
29	Altered Cholesterol Biosynthesis Affects Drug Metabolism. ACS Omega, 2021, 6, 5490-5498.	3.5	1
30	Identifying Molecular Fragments That Drive 7-Dehydrocholesterol Elevation. ACS Pharmacology and Translational Science, 2022, 5, 3-7.	4.9	1