AndrÃ©s Trostchansky

List of Publications by Year
in descending order

71 papers	2,008 citations	236612 25 h-index	253896 43 g-index
86 all docs	86 docs citations	86 times ranked	2264 citing authors

#	Article	IF	Citations
1	HPLC-MS/MS Oxylipin Analysis of Plasma from Amyotrophic Lateral Sclerosis Patients. Biomedicines, 2022, 10, 674.	1.4	11
2	Detection of Nitro-Conjugated Linoleic Acid and Nitro-oleic Acid in Virgin Olive Oil under Gastric Conditions: Relationship to Cultivar, Fruit Ripening, and Polyphenol Content. ACS Food Science & Technology, 2022, 2, 673-681.	1.3	1
3	Physical-Exercise-Induced Antioxidant Effects on the Brain and Skeletal Muscle. Antioxidants, 2022, 11, 826.	2.2	8
4	Regulation of platelet function by natural bioactive compounds. Food Bioscience, 2022, 48, 101742.	2.0	2
5	Regulation of arachidonic acid oxidation and metabolism by lipid electrophiles. Prostaglandins and Other Lipid Mediators, 2021, 152, 106482.	1.0	17
6	Antiplatelet activity and chemical analysis of leaf and fruit extracts from Aristotelia chilensis. PLoS ONE, 2021, 16, e0250852.	1.1	14
7	The protein disulphide isomerase inhibitor CxxCpep modulates oxidative burst and mitochondrial function in platelets. Free Radical Biology and Medicine, 2021, 172, 668-674.	1.3	3
8	Olive oil-derived nitro-fatty acids: protection of mitochondrial function in non-alcoholic fatty liver disease. Journal of Nutritional Biochemistry, 2021, 94, 108646.	1.9	11
9	Antiplatelet effects of bioactive compounds present in tomato pomace. Current Drug Targets, 2021, 22, 1716-1724.	1.0	10
10	Lipidomic Analysis of Oxygenated Polyunsaturated Fatty Acidâ€“Derived Inflammatory Mediators in Neurodegenerative Diseases. Neuromethods, 2021, , 121-141.	0.2	1
11	Regulation of Key Antiplatelet Pathways by Bioactive Compounds with Minimal Bleeding Risk. International Journal of Molecular Sciences, 2021, 22, 12380.	1.8	5
12	Data of detection and characterization of nitrated conjugated-linoleic acid (NO2-cLA) in LDL. Data in Brief, 2020, 28, 105037.	0.5	3
13	Fatty acid nitration in human low-density lipoprotein. Archives of Biochemistry and Biophysics, 2020, 679, 108190.	1.4	3
14	Structural considerations on lipoxygenase function, inhibition and crosstalk with nitric oxide pathways. Biochimie, 2020, 178, 170-180.	1.3	8
15	Synthesis and Biological Evaluation of Thio-Derivatives of 2-Hydroxy-1,4-Naphthoquinone (Lawsone) as Novel Antiplatelet Agents. Frontiers in Chemistry, 2020, 8, 533.	1.8	10
16	Synthesis of antiplatelet ortho-carbonyl hydroquinones with differential action on platelet aggregation stimulated by collagen or TRAP-6. European Journal of Medicinal Chemistry, 2020, 192, 112187.	2.6	19
17	Role of Platelet Activation and Oxidative Stress in the Evolution of Myocardial Infarction. Journal of Cardiovascular Pharmacology and Therapeutics, 2019, 24, 509-520.	1.0	40
18	Oxidative pathways of arachidonic acid as targets for regulation of platelet activation. Prostaglandins and Other Lipid Mediators, 2019, 145, 106382.	1.0	24

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19	Nitroalkylation of Î±-Synuclein by Nitro-Oleic Acid: Implications for Parkinsonâ€™s Disease. Advances in Experimental Medicine and Biology, 2019, 1127, 169-179.	0.8	3
20	Lipid Metabolism and Signaling in Platelet Function. Advances in Experimental Medicine and Biology, 2019, 1127, 97-115.	0.8	19
21	Impaired hepatic mitochondrial function during early lactation in dairy cows: Association with protein lysine acetylation. PLoS ONE, 2019, 14, e0213780.	1.1	19
22	Free radical-dependent inhibition of prostaglandin endoperoxide H Synthase-2 by nitro-arachidonic acid. Free Radical Biology and Medicine, 2019, 144, 176-182.	1.3	7
23	Overview of Lipid Biomarkers in Amyotrophic Lateral Sclerosis (ALS). Advances in Experimental Medicine and Biology, 2019, 1161, 233-241.	0.8	10
24	Myricetin, the Main Flavonoid in Syzygium cumini Leaf, Is a Novel Inhibitor of Platelet Thiol Isomerases PDI and ERp5. Frontiers in Pharmacology, 2019, 10, 1678.	1.6	41
25	Nitroxide Tempol down-regulates kinase activities associated with NADPH oxidase function in phagocytic cells and potentially decreases their fungicidal response. Chemico-Biological Interactions, 2018, 279, 203-209.	1.7	18
26	Improvement of mitochondrial function in steatohepatitis by olive oil consumption: role of nitro fatty acids. Free Radical Biology and Medicine, 2018, 128, S99.	1.3	0
27	Protective Effects of a Polyphenol-Rich Extract from Syzygium cumini (L.) Skeels Leaf on Oxidative Stress-Induced Diabetic Rats. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-13.	1.9	35
28	Profile of Arachidonic Acid-Derived Inflammatory Markers and Its Modulation by Nitro-Oleic Acid in an Inherited Model of Amyotrophic Lateral Sclerosis. Frontiers in Molecular Neuroscience, 2018, 11, 131.	1.4	29
29	Novel antiplatelet role for a protein disulfide isomeraseâ€targeted peptide: evidence of covalent binding to the Câ€terminal CGHC redox motif. Journal of Thrombosis and Haemostasis, 2017, 15, 774-784.	1.9	25
30	Nitroxide 4-hydroxy-2,2â€²,6,6â€²-tetramethylpiperidine 1-oxyl (Tempol) inhibits the reductase activity of protein disulfide isomerase via covalent binding to the Cys 400 residue on CXXC redox motif at the aâ€²active site. Chemico-Biological Interactions, 2017, 272, 117-124.	1.7	7
31	Nitroarachidonic acid (NO2AA) inhibits protein disulfide isomerase (PDI) through reversible covalent adduct formation with critical cysteines. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1131-1139.	1.1	19
32	Reciprocal regulation of acetyl-CoA carboxylase 1 and senescence in human fibroblasts involves oxidant mediated p38 MAPK activation. Archives of Biochemistry and Biophysics, 2017, 613, 12-22.	1.4	18
33	Anti-inflammatory signaling actions of electrophilic nitro-arachidonic acid in vascular cells and astrocytes. Archives of Biochemistry and Biophysics, 2017, 617, 155-161.	1.4	14
34	Electrophilic Nitro-Fatty Acids: Nitric Oxide and Nitrite-Derived Metabolic and Inflammatory Signaling Mediators. , 2017, , 213-229.		3
35	Interplay between Oxidative Stress and Metabolism in Signalling and Disease 2016. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-2.	1.9	7
36	Lipidomics and therapeutic potential of nitro-oleic acid acid in a model of familial ALS. Free Radical Biology and Medicine, 2017, 112, 44.	1.3	0

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37	Potential Role of Protein Disulfide Isomerase in Metabolic Syndrome-Derived Platelet Hyperactivity. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10.	1.9	14
38	Interplay between Oxidative Stress and Metabolism in Signalling and Disease. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-2.	1.9	11
39	Nitro-arachidonic Acid: Downstream Signaling and Therapeutics. , 2016, , 79-93.		1
40	Interplay between oxidant species and energy metabolism. Redox Biology, 2016, 8, 28-42.	3.9	241
41	Electrophilic nitro-fatty acids prevent astrocyte-mediated toxicity to motor neurons in a cell model of familial amyotrophic lateral sclerosis via nuclear factor erythroid 2-related factor activation. Free Radical Biology and Medicine, 2016, 95, 112-120.	1.3	23
42	Nitro-Arachidonic Acid Prevents Angiotensin II-Induced Mitochondrial Dysfunction in a Cell Line of Kidney Proximal Tubular Cells. PLoS ONE, 2016, 11, e0150459.	1.1	9
43	Inhibition of Protein Disulfide Isomerase (PDI) by Nitroarachidonic Acid (NO2-AA): Nitroalkylation of Cys-Active Site Residues. Free Radical Biology and Medicine, 2015, 87, S44.	1.3	0
44	Olives and Olive Oil Are Sources of Electrophilic Fatty Acid Nitroalkenes. PLoS ONE, 2014, 9, e84884.	1.1	102
45	Nitro-Fatty Acids: Synthesis, Properties, and Role in Biological System. , 2014, , 153-162.		2
46	Nitroarachidonic acid prevents NADPH oxidase assembly and superoxide radical production in activated macrophages. Free Radical Biology and Medicine, 2013, 58, 126-133.	1.3	35
47	Nitro-Fatty Acids: Formation, Redox Signaling, and Therapeutic Potential. Antioxidants and Redox Signaling, 2013, 19, 1257-1265.	2.5	49
48	Regulation of protein kinase C by nitroarachidonic acid: Impact on human platelet activation. Archives of Biochemistry and Biophysics, 2013, 533, 55-61.	1.4	25
49	6-Methylnitroarachidonate: A novel esterified nitroalkene that potently inhibits platelet aggregation and exerts cGMP-mediated vascular relaxation. Free Radical Biology and Medicine, 2011, 50, 411-418.	1.3	23
50	Oxidizing substrate specificity of Mycobacterium tuberculosis alkyl hydroperoxide reductase E: kinetics and mechanisms of oxidation and overoxidation. Free Radical Biology and Medicine, 2011, 51, 464-473.	1.3	38
51	Nitroarachidonic Acid, a Novel Peroxidase Inhibitor of Prostaglandin Endoperoxide H Synthases 1 and 2. Journal of Biological Chemistry, 2011, 286, 12891-12900.	1.6	51
52	Nitric Oxide Redox Biochemistry in Lipid Environments. , 2010, , 27-60.		3
53	Peroxynitrite-mediated lipid oxidation and nitration: Mechanisms and consequences. Archives of Biochemistry and Biophysics, 2009, 484, 167-172.	1.4	90
54	Macrophage activation induces formation of the anti-inflammatory lipid cholesteryl-nitrolinoleate. Biochemical Journal, 2009, 417, 223-238.	1.7	78

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55	Nitrated fatty acids: Mechanisms of formation, chemical characterization, and biological properties. Free Radical Biology and Medicine, 2008, 44, 1887-1896.	1.3	113
56	Nitroalkenes: Synthesis, Characterization, and Effects on Macrophage Activation. Methods in Enzymology, 2008, 441, 33-51.	0.4	10
57	NITROARACHIDONATE (AANO2), A NOVEL ANTI-INFLAMMATORY AND ANTI-ATHEROGENIC COMPOUND. Atherosclerosis Supplements, 2008, 9, 170.	1.2	0
58	Synthesis, Isomer Characterization, and Anti-Inflammatory Properties of Nitroarachidonate. Biochemistry, 2007, 46, 4645-4653.	1.2	81
59	Interactions between nitric oxide and peroxynitrite during prostaglandin endoperoxide H synthase-1 catalysis: A free radical mechanism of inactivation. Free Radical Biology and Medicine, 2007, 42, 1029-1038.	1.3	47
60	Lipid nitration and formation of lipid-protein adducts: biological insights. Amino Acids, 2007, 32, 517-522.	1.2	22
61	Interaction with phospholipids modulates Î±-synuclein nitration and lipidâ€“protein adduct formation. Biochemical Journal, 2006, 393, 343-349.	1.7	49
62	Design, synthesis, and biological characterization of potential antiatherogenic nitric oxide releasing tocopherol analogs. Bioorganic and Medicinal Chemistry, 2005, 13, 5787-5796.	1.4	31
63	Reactivity of Peroxynitrite and Nitric Oxide with LDL. IUBMB Life, 2005, 57, 407-412.	1.5	35
64	Binding of Xanthine Oxidase to Glycosaminoglycans Limits Inhibition by Oxypurinol. Journal of Biological Chemistry, 2004, 279, 37231-37234.	1.6	59
65	Peroxynitrite-mediated Î±-tocopherol oxidation in low-density lipoprotein: a mechanistic approach. Free Radical Biology and Medicine, 2004, 36, 152-162.	1.3	41
66	Septic diaphragmatic dysfunction is prevented by Mn(III)porphyrin therapy and inducible nitric oxide synthase inhibition. Intensive Care Medicine, 2004, 30, 2271-2278.	3.9	59
67	Nitric oxide inhibits prooxidant actions of uric acid during copper-mediated LDL oxidation. Archives of Biochemistry and Biophysics, 2004, 423, 302-308.	1.4	24
68	Peroxynitrite flux-mediated LDL oxidation is inhibited by manganese porphyrins in the presence of uric acid. Free Radical Biology and Medicine, 2003, 35, 1293-1300.	1.3	54
69	Interactions of Nitric Oxide and Peroxynitrite with Low-Density Lipoprotein. Biological Chemistry, 2002, 383, 547-552.	1.2	57
70	Antioxidant and diffusion properties of nitric oxide in low-density lipoprotein. Methods in Enzymology, 2002, 359, 200-209.	0.4	11
71	Formation of Lipid-Protein Adducts in Low-Density Lipoprotein by Fluxes of Peroxynitrite and Its Inhibition by Nitric Oxide. Archives of Biochemistry and Biophysics, 2001, 395, 225-232.	1.4	48