Patricia I Oteiza

List of Publications by Year
in descending order

116 papers	8,056 citations	36271 51 h-index	49868 87 g-index
117 all docs	117 docs citations	117 times ranked	10010 citing authors

#	Article	IF	Citations
1	Supplementation with cyanidin and delphinidin mitigates high fat diet-induced endotoxemia and associated liver inflammation in mice. Food and Function, 2022, 13, 781-794.	2.1	13
2	Curcumin Mitigates TNFÎ±â€Induced Cacoâ€2 Cell Monolayer Permeabilization Through Modulation of NFâ€ÎºB, ERK1/2, and JNK Pathways. Molecular Nutrition and Food Research, 2022, 66, e2101033.	1.5	6
3	A randomized placebo-controlled cross-over study on the effects of anthocyanins on inflammatory and metabolic responses to a high-fat meal in healthy subjects. Redox Biology, 2022, 51, 102273.	3.9	23
4	Cyanidin and delphinidin restore colon physiology in high fat diet-fed mice: Involvement of TLR-4 and redox-regulated signaling. Free Radical Biology and Medicine, 2022, 188, 71-82.	1.3	5
5	Di-2-ethylhexyl phthalate affects zinc metabolism and neurogenesis in the developing rat brain. Archives of Biochemistry and Biophysics, 2022, 727, 109351.	1.4	4
6	Hexameric procyanidins inhibit colorectal cancer cell growth through both redox and non-redox regulation of the epidermal growth factor signaling pathway. Redox Biology, 2021, 38, 101830.	3.9	14
7	(â€“)-Epicatechin and Anthocyanins Modulate GLP-1 Metabolism: Evidence from C57BL/6J Mice and GLUTag Cells. Journal of Nutrition, 2021, 151, 1497-1506.	1.3	23
8	Linking biomarkers of oxidative stress and disease with flavonoid consumption: From experimental models to humans. Redox Biology, 2021, 42, 101914.	3.9	21
9	Gestational zinc deficiency impairs brain astrogliogenesis in rats through multistep alterations of the JAK/STAT3 signaling pathway. Redox Biology, 2021, 44, 102017.	3.9	4
10	(-)-Epicatechin and NADPH oxidase inhibitors prevent bile acid-induced Caco-2 monolayer permeabilization through ERK1/2 modulation. Redox Biology, 2020, 28, 101360.	3.9	35
11	(âˆ’)-Epicatechin and the comorbidities of obesity. Archives of Biochemistry and Biophysics, 2020, 690, 108505.	1.4	24
12	The new era for research on polyphenols and food factors. Archives of Biochemistry and Biophysics, 2020, 696, 108678.	1.4	1
13	(âˆ’)-Epicatechin mitigates high fat diet-induced neuroinflammation and altered behavior in mice. Food and Function, 2020, 11, 5065-5076.	2.1	16
14	Quercetin attenuates adipose hypertrophy, in part through activation of adipogenesis in rats fed a high-fat diet. Journal of Nutritional Biochemistry, 2020, 79, 108352.	1.9	31
15	Ellagic acid protects Caco-2 cell monolayers against inflammation-induced permeabilization. Free Radical Biology and Medicine, 2020, 152, 776-786.	1.3	30
16	Grape pomace extract supplementation activates FNDC5/irisin in muscle and promotes white adipose browning in rats fed a high-fat diet. Food and Function, 2020, 11, 1537-1546.	2.1	23
17	The inhibitory effect of ECG and EGCG dimeric procyanidins on colorectal cancer cells growth is associated with their actions at lipid rafts and the inhibition of the epidermal growth factor receptor signaling. Biochemical Pharmacology, 2020, 175, 113923.	2.0	38
18	Assessing the Fate and Bioavailability of Glucosinolates in Kale (<i>Brassica oleracea</i>) Using Simulated Human Digestion and Caco-2 Cell Uptake Models. Journal of Agricultural and Food Chemistry, 2019, 67, 9492-9500.	2.4	19

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19	Anthocyanins protect the gastrointestinal tract from high fat diet-induced alterations in redox signaling, barrier integrity and dysbiosis. Redox Biology, 2019, 26, 101269.	3.9	94
20	Early Developmental Marginal Zinc Deficiency Affects Neurogenesis Decreasing Neuronal Number and Altering Neuronal Specification in the Adult Rat Brain. Frontiers in Cellular Neuroscience, 2019, 13, 62.	1.8	27
21	(â€“)-Epicatechin in the control of glucose homeostasis: Involvement of redox-regulated mechanisms. Free Radical Biology and Medicine, 2019, 130, 478-488.	1.3	40
22	(-)-Epicatechin and its metabolites prevent palmitate-induced NADPH oxidase upregulation, oxidative stress and insulin resistance in HepG2 cells. Archives of Biochemistry and Biophysics, 2018, 646, 55-63.	1.4	30
23	Plant bioactives and redox signaling: (â€“)-Epicatechin as a paradigm. Molecular Aspects of Medicine, 2018, 61, 31-40.	2.7	62
24	Flavonoids and the gastrointestinal tract: Local and systemic effects. Molecular Aspects of Medicine, 2018, 61, 41-49.	2.7	181
25	(-)-Epicatechin protects the intestinal barrier from high fat diet-induced permeabilization: Implications for steatosis and insulin resistance. Redox Biology, 2018, 14, 588-599.	3.9	109
26	Introduction to special issue on Polyphenols and Health. Archives of Biochemistry and Biophysics, 2018, 652, 1-2.	1.4	1
27	Cyanidin and delphinidin modulate inflammation and altered redox signaling improving insulin resistance in high fat-fed mice. Redox Biology, 2018, 18, 16-24.	3.9	93
28	Bioactives and their impact on human health. Molecular Aspects of Medicine, 2018, 61, 1.	2.7	2
29	Aldosterone activates the oncogenic signals ERK1/2 and STAT3 via redoxâ€regulated mechanisms. Molecular Carcinogenesis, 2017, 56, 1868-1883.	1.3	12
30	Anthocyanins inhibit tumor necrosis alpha-induced loss of Caco-2 cell barrier integrity. Food and Function, 2017, 8, 2915-2923.	2.1	60
31	Combined Effects of Gestational Phthalate Exposure and Zinc Deficiency on Steroid Metabolism and Growth. Toxicological Sciences, 2017, 156, kfx008.	1.4	10
32	Anti-inflammatory actions of (â˘)-epicatechin in the adipose tissue of obese mice. International Journal of Biochemistry and Cell Biology, 2016, 81, 383-392.	1.2	62
33	The PI3K/Akt pathway is involved in procyanidinâ€mediated suppression of human colorectal cancer cell growth. Molecular Carcinogenesis, 2016, 55, 2196-2209.	1.3	33
34	Dietary (â€“)-epicatechin mitigates oxidative stress, NO metabolism alterations, and inflammation in renal cortex from fructose-fed rats. Free Radical Biology and Medicine, 2016, 90, 35-46.	1.3	74
35	(-)-Epicatechin improves insulin sensitivity in high fat diet-fed mice. Archives of Biochemistry and Biophysics, 2016, 599, 13-21.	1.4	88
36	Gestational marginal zinc deficiency impaired fetal neural progenitor cell proliferation by disrupting the ERK1/2 signaling pathway. Journal of Nutritional Biochemistry, 2015, 26, 1116-1123.	1.9	27

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37	Catechin and quercetin attenuate adipose inflammation in fructoseâ€fed rats and 3T3â€L1 adipocytes. Molecular Nutrition and Food Research, 2015, 59, 622-633.	1.5	74
38	(âˆ')-Epicatechin in the prevention of tumor necrosis alpha-induced loss of Caco-2 cell barrier integrity. Archives of Biochemistry and Biophysics, 2015, 573, 84-91.	1.4	66
39	(âˆ')-Epicatechin reduces blood pressure increase in high-fructose-fed rats: effects on the determinants of nitric oxide bioavailability. Journal of Nutritional Biochemistry, 2015, 26, 745-751.	1.9	44
40	Interactions of flavan-3-ols and procyanidins with membranes: mechanisms and the physiological relevance. Food and Function, 2015, 6, 32-40.	2.1	55
41	Flavanols and vascular health: molecular mechanisms to build evidence-based recommendations. Free Radical Biology and Medicine, 2014, 75, S12.	1.3	6
42	Aldosterone Activates Transcription Factor Nrf2 in Kidney Cells Both<i>In Vitro</i>and<i>In Vivo</i>. Antioxidants and Redox Signaling, 2014, 21, 2126-2142.	2.5	28
43	In vitro measurements and interpretation of total antioxidant capacity. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 931-934.	1.1	124
44	The anthocyanin metabolites gallic acid, 3-<i>O</i> -methylgallic acid, and 2,4,6-trihydroxybenzaldehyde decrease human colon cancer cell viability by regulating pro-oncogenic signals. Molecular Carcinogenesis, 2014, 53, 432-439.	1.3	93
45	Zinc and the aging brain. Genes and Nutrition, 2014, 9, 379.	1.2	66
46	(âˆ')-Epicatechin mitigates high-fructose-associated insulin resistance by modulating redox signaling and endoplasmic reticulum stress. Free Radical Biology and Medicine, 2014, 72, 247-256.	1.3	110
47	Procyanidins can interact with Caco-2 cell membrane lipid rafts: Involvement of cholesterol. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2646-2653.	1.4	51
48	Bioavailability of Intact Proanthocyanidins in the Rat Colon after Ingestion of Grape Seed Extract. Journal of Agricultural and Food Chemistry, 2013, 61, 121-127.	2.4	77
49	Inflammatory Bowel Disease: Mechanisms, Redox Considerations, and Therapeutic Targets. Antioxidants and Redox Signaling, 2013, 19, 1711-1747.	2.5	207
50	Decreased Zinc Availability Affects Glutathione Metabolism in Neuronal Cells and in the Developing Brain. Toxicological Sciences, 2013, 133, 90-100.	1.4	28
51	Zinc and the modulation of redox homeostasis. Free Radical Biology and Medicine, 2012, 53, 1748-1759.	1.3	246
52	Blood pressure-lowering effect of dietary (âˆ')-epicatechin administration in L-NAME-treated rats is associated with restored nitric oxide levels. Free Radical Biology and Medicine, 2012, 53, 1894-1902.	1.3	56
53	(âˆ')-Epicatechin prevents TNFÎ±-induced activation of signaling cascades involved in inflammation and insulin sensitivity in 3T3-L1 adipocytes. Archives of Biochemistry and Biophysics, 2012, 527, 113-118.	1.4	95
54	Large procyanidins prevent bile-acid-induced oxidant production and membrane-initiated ERK1/2, p38, and Akt activation in Caco-2 cells. Free Radical Biology and Medicine, 2012, 52, 151-159.	1.3	62

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55	Flavonoids and metabolic syndrome. Annals of the New York Academy of Sciences, 2012, 1259, 87-94.	1.8	108
56	Identification and Cancer Therapeutic Properties of Microfloral Anthocyanin Metabolites. Journal of Wine Research, 2011, 22, 171-174.	0.9	1
57	Iron overload triggers redox-sensitive signals in human IMR-32 neuroblastoma cells. NeuroToxicology, 2011, 32, 75-82.	1.4	43
58	A deficit in zinc availability can cause alterations in tubulin thiol redox status in cultured neurons and in the developing fetal rat brain. Free Radical Biology and Medicine, 2011, 51, 480-489.	1.3	37
59	Dietary flavonoids: Role of (â˜’)-epicatechin and related procyanidins in cell signaling. Free Radical Biology and Medicine, 2011, 51, 813-823.	1.3	212
60	Aldosterone increases kidney tubule cell oxidants through calcium-mediated activation of NADPH oxidase and nitric oxide synthase. Free Radical Biology and Medicine, 2011, 51, 1996-2006.	1.3	21
61	Aldosterone induces oxidative stress, oxidative DNA damage and NF-Î°B-activation in kidney tubule cells. Molecular Carcinogenesis, 2011, 50, 123-135.	1.3	42
62	Zinc deficiency and neurodevelopment: The case of neurons. BioFactors, 2010, 36, 117-124.	2.6	82
63	The Role of Zinc in the Modulation of Neuronal Proliferation and Apoptosis. Neurotoxicity Research, 2010, 17, 1-14.	1.3	89
64	Low extracellular zinc increases neuronal oxidant production through nadph oxidase and nitric oxide synthase activation. Free Radical Biology and Medicine, 2010, 48, 1577-1587.	1.3	51
65	Gestational zinc deficiency affects the regulation of transcription factors AP-1, NF-Î°B and NFAT in fetal brain. Journal of Nutritional Biochemistry, 2010, 21, 1069-1075.	1.9	37
66	Basic biochemical mechanisms behind the health benefits of polyphenols. Molecular Aspects of Medicine, 2010, 31, 435-445.	2.7	549
67	Antioxidant actions of flavonoids: Thermodynamic and kinetic analysis. Archives of Biochemistry and Biophysics, 2010, 501, 23-30.	1.4	190
68	Dimeric procyanidins are inhibitors of NF-Î°Bâ€“DNA binding. Biochemical Pharmacology, 2009, 78, 1252-1262.	2.0	65
69	Cocoa, Chocolate, and Cardiovascular Disease. Journal of Cardiovascular Pharmacology, 2009, 54, 483-490.	0.8	91
70	Zinc and the Cytoskeleton in Neuronal Signaling. Oxidative Stress and Disease, 2009, , .	0.3	0
71	Aluminium and lead: molecular mechanisms of brain toxicity. Archives of Toxicology, 2008, 82, 789-802.	1.9	479
72	Curcumin induces cellâ€arrest and apoptosis in association with the inhibition of constitutively active NFâ€Î°B and STAT3 pathways in Hodgkin's lymphoma cells. International Journal of Cancer, 2008, 123, 56-65.	2.3	137

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73	Dimeric procyanidin B2 inhibits constitutively active NF-Î°B in Hodgkin's lymphoma cells independently of the presence of IÎ°B mutations. Biochemical Pharmacology, 2008, 75, 1461-1471.	2.0	56
74	TNFÎ±-induced NF-Î°B activation and cell oxidant production are modulated by hexameric procyanidins in Caco-2 cells. Archives of Biochemistry and Biophysics, 2008, 476, 186-195.	1.4	91
75	(-)-Epicatechin and related procyanidins modulate intracellular calcium and prevent oxidation in Jurkat T cells. Free Radical Research, 2008, 42, 864-872.	1.5	23
76	Zinc deficiency impairs neuronal STAT1 and STAT3 nuclear translocation through oxidantâ€mediated mechanisms.. FASEB Journal, 2008, 22, 697.9.	0.2	0
77	Flavanols and NF-_B Activation. Oxidative Stress and Disease, 2008, , .	0.3	0
78	Zinc and the cytoskeleton in the neuronal modulation of transcription factor NFAT. Journal of Cellular Physiology, 2007, 210, 246-256.	2.0	31
79	Zinc deficiency in neuronal biology. IUBMB Life, 2007, 59, 299-307.	1.5	25
80	Modulation of transcription factor NF-Î°B in Hodgkin's lymphoma cell lines: Effect of (â^')-epicatechin. Free Radical Research, 2006, 40, 1086-1094.	1.5	48
81	Molecular Interventions in Lifestyle-Related Diseases. American Journal of Clinical Nutrition, 2006, 84, 670.	2.2	0
82	Microtubules are required for NF-?B nuclear translocation in neuroblastoma IMR-32 cells: modulation by zinc. Journal of Neurochemistry, 2006, 99, 402-415.	2.1	54
83	Procyanidins protect Caco-2 cells from bile acid- and oxidant-induced damage. Free Radical Biology and Medicine, 2006, 41, 1247-1256.	1.3	80
84	Zinc Deficiency Increases the Susceptibility of Human Neuroblastoma Cells to Lead-Induced Activator Protein-1 Activation. Toxicological Sciences, 2006, 91, 184-191.	1.4	33
85	Î±-Lipoic acid andN-acetyl cysteine prevent zinc deficiency-induced activation of NF-Î°B and AP-1 transcription factors in human neuroblastoma IMR-32 cells. Free Radical Research, 2006, 40, 75-84.	1.5	40
86	Cellular low zinc levels increase cell oxidants partially through a mechanism involving NADPH oxidase. FASEB Journal, 2006, 20, A995.	0.2	0
87	Cocoa antioxidants and cardiovascular health. American Journal of Clinical Nutrition, 2005, 81, 298S-303S.	2.2	186
88	Differential Modulation of MAP Kinases by Zinc Deficiency in IMR-32 Cells: Role of H2O2. Antioxidants and Redox Signaling, 2005, 7, 1773-1782.	2.5	56
89	Flavonoid-membrane Interactions: A Protective Role of Flavonoids at the Membrane Surface?. Clinical and Developmental Immunology, 2005, 12, 19-25.	3.3	298
90	Antioxidant and Membrane Effects of Procyanidin Dimers and Trimers Isolated from Peanut and Cocoa. Journal of Agricultural and Food Chemistry, 2005, 53, 5041-5048.	2.4	97

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91	Zinc, oxidant-triggered cell signaling, and human health. Molecular Aspects of Medicine, 2005, 26, 245-255.	2.7	101
92	Membrane effects of Cocoa Procyanidins in Liposomes and Jurkat T Cells. Biological Research, 2004, 37, 293-300.	1.5	34
93	Epicatechin, catechin, and dimeric procyanidins inhibit PMAâ€induced NFâ€ÎºB activation at multiple steps in Jurkat T cells. FASEB Journal, 2004, 18, 167-169.	0.2	164
94	The Interaction of Flavonoids with Membranes: Potential Determinant of Flavonoid Antioxidant Effects. Free Radical Research, 2004, 38, 1311-1320.	1.5	201
95	Metals in neurodegeneration: involvement of oxidants and oxidant-sensitive transcription factors. Molecular Aspects of Medicine, 2004, 25, 103-115.	2.7	72
96	Influence of zinc deficiency on cell-membrane fluidity in Jurkat, 3T3 and IMR-32 cells. Biochemical Journal, 2004, 378, 579-587.	1.7	41
97	Flavan-3-ols and procyanidins protect liposomes against lipid oxidation and disruption of the bilayer structure. Free Radical Biology and Medicine, 2003, 34, 84-92.	1.3	172
98	Al3+-mediated changes on membrane fluidity affects the activity of PI-PLC but not of PLC. Chemistry and Physics of Lipids, 2003, 122, 159-163.	1.5	13
99	Low Intracellular Zinc Impairs the Translocation of Activated NF-ÎºB to the Nuclei in Human Neuroblastoma IMR-32 Cells. Journal of Biological Chemistry, 2002, 277, 34610-34617.	1.6	74
100	Zinc Status of Human IMR-32 Neuroblastoma Cells Influences Their Susceptibility to Iron-Induced Oxidative Stress. Developmental Neuroscience, 2002, 24, 125-133.	1.0	19
101	Aluminum Affects Membrane Physical Properties in Human Neuroblastoma (IMR-32) Cells Both before and after Differentiation. Archives of Biochemistry and Biophysics, 2002, 399, 167-173.	1.4	17
102	Al3+-mediated changes in membrane physical properties participate in the inhibition of polyphosphoinositide hydrolysis. Archives of Biochemistry and Biophysics, 2002, 408, 263-271.	1.4	24
103	The oxidant defense system in human neuroblastoma IMR-32 cells predifferentiation and postdifferentiation to neuronal phenotypes. Neurochemical Research, 2002, 27, 1499-1506.	1.6	21
104	Short-Term Zinc Deficiency Affects Nuclear Factor-ÎºB Nuclear Binding Activity in Rat Testes. Journal of Nutrition, 2001, 131, 21-26.	1.3	54
105	The antioxidant properties of zinc: interactions with iron and antioxidants. Free Radical Biology and Medicine, 2001, 31, 266-274.	1.3	299
106	Effects of Al3+ and Related Metals on Membrane Phase State and Hydration: Correlation with Lipid Oxidation. Archives of Biochemistry and Biophysics, 2000, 375, 340-346.	1.4	48
107	Zinc in the prevention of Fe2initiated lipid and protein oxidation. Biological Research, 2000, 33, 143-50.	1.5	77
108	Cadmium-induced testes oxidative damage in rats can be influenced by dietary zinc intake. Toxicology, 1999, 137, 13-22.	2.0	99

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109	Aluminum enhances melanin-induced lipid peroxidation. Neurochemical Research, 1999, 24, 1001-1008.	1.6	24
110	Effect of oxidant systems on the ubiquitylation of proteins in the central nervous system. , 1999, 55, 523-531.		30
111	Membrane composition can influence the rate of Al3+-mediated lipid oxidation: effect of galactolipids. Biochemical Journal, 1998, 333, 833-838.	1.7	41
112	Effect of Trivalent Metal Ions on Phase Separation and Membrane Lipid Packing: Role in Lipid Peroxidation. Archives of Biochemistry and Biophysics, 1997, 338, 121-127.	1.4	107
113	Myelin Is a Preferential Target of Aluminum-Mediated Oxidative Damage. Archives of Biochemistry and Biophysics, 1997, 344, 289-294.	1.4	64
114	Effects of marginal zinc deficiency on microtubule polymerization in the developing rat brain. Biological Trace Element Research, 1990, 24, 13-23.	1.9	29
115	Influence of maternal dietary zinc intake on in vitro tubulin polymerization in fetal rat brain. Teratology, 1990, 41, 97-104.	1.7	32
116	Marginal Zinc Deficiency Affects Maternal Brain Microtubule Assembly in Rats. Journal of Nutrition, 1988, 118, 735-738.	1.3	24