

# Francisco J Romero

## List of Publications by Year in descending order

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93  
papers

3,564  
citations

117625

34  
h-index

155660

55  
g-index

93  
all docs

93  
docs citations

93  
times ranked

5185  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diabetes and the Brain: Oxidative Stress, Inflammation, and Autophagy. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-9.	4.0	325
2	Selective impairment of hippocampal neurogenesis by chronic alcoholism: Protective effects of an antioxidant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 7919-7924.	7.1	239
3	Oxidative stress in retinal pigment epithelium cells increases exosome secretion and promotes angiogenesis in endothelial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 1457-1466.	3.6	180
4	Oxidative Stress in Keratoconus?. , 2011, 52, 8592.		146
5	Cocaine causes memory and learning impairments in rats: involvement of nuclear factor kappa B and oxidative stress, and prevention by topiramate. <i>Journal of Neurochemistry</i> , 2010, 114, 675-684.	3.9	105
6	Replenishment of Glutathione Levels Improves Mucosal Function in Experimental Acute Colitis. <i>Laboratory Investigation</i> , 2000, 80, 735-744.	3.7	99
7	Lutein effect on retina and hippocampus of diabetic mice. <i>Free Radical Biology and Medicine</i> , 2006, 41, 979-984.	2.9	94
8	Cocaine addiction: Diffusion tensor imaging study of the inferior frontal and anterior cingulate white matter. <i>Psychiatry Research - Neuroimaging</i> , 2010, 181, 57-63.	1.8	94
9	Antioxidant capacity of human milk: effect of thermal conditions for the pasteurization. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2008, 97, 1070-1074.	1.5	87
10	Altered neural response of the appetitive emotional system in cocaine addiction: an fMRI Study. <i>Addiction Biology</i> , 2010, 15, 504-516.	2.6	82
11	Serum malondialdehyde: possible use for the clinical management of chronic hepatitis C patients. <i>Free Radical Biology and Medicine</i> , 1998, 25, 993-997.	2.9	77
12	Beneficial Effect of Docosahexanoic Acid and Lutein on Retinal Structural, Metabolic, and Functional Abnormalities in Diabetic Rats. <i>Current Eye Research</i> , 2009, 34, 928-938.	1.5	76
13	4-hydroxynonenal inhibits glutathione peroxidase: protection by glutathione. <i>Free Radical Biology and Medicine</i> , 1999, 26, 1383-1387.	2.9	68
14	Î²-Amyloid-induced activation of Caspase-3 in primary cultures of rat neurons. <i>Mechanisms of Ageing and Development</i> , 2000, 119, 63-67.	4.6	67
15	Protection of Flupirtine on Î²â€œAmyloidâ€œInduced Apoptosis in Neuronal Cells In Vitro: Prevention of Amyloidâ€œInduced Glutathione Depletion. <i>Journal of Neurochemistry</i> , 1997, 68, 2371-2377.	3.9	63
16	Lutein prevents cataract development and progression in diabetic rats. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2009, 247, 115-120.	1.9	60
17	On the mechanism underlying ethanol-induced mitochondrial dynamic disruption and autophagy response. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1400-1409.	3.8	59
18	Oxygen toxicity in the nervous tissue: Comparison of the antioxidant defense of rat brain and sciatic nerve. <i>Neurochemical Research</i> , 1991, 16, 157-161.	3.3	57

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19	Interferon decreases serum lipid peroxidation products of hepatitis C patients. <i>Free Radical Biology and Medicine</i> , 1994, 16, 131-133.	2.9	53
20	Oxidative status of human milk and its variations during cold storage. <i>BioFactors</i> , 2004, 20, 129-137.	5.4	51
21	Striatal dopamine D2 receptor availability predicts the thalamic and medial prefrontal responses to reward in cocaine abusers three years later. <i>Synapse</i> , 2010, 64, 397-402.	1.2	51
22	Liposomally-entrapped ganciclovir for the treatment of cytomegalovirus retinitis in AIDS patients. <i>Documenta Ophthalmologica</i> , 1992, 82, 297-305.	2.2	49
23	Lipid Peroxidation Products and Antioxidants in Human Disease. <i>Environmental Health Perspectives</i> , 1998, 106, 1229.	6.0	49
24	Cocaine promotes oxidative stress and microglial-macrophage activation in rat cerebellum. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 279.	3.7	45
25	Subcellular glutathione contents in isolated hepatocytes treated with L-buthionine sulfoximine. <i>Biochemical and Biophysical Research Communications</i> , 1984, 123, 1116-1121.	2.1	44
26	Decreased glutathione peroxidase activity in sciatic nerve of alloxan-induced diabetic mice and its correlation with blood glucose levels. <i>Neurochemical Research</i> , 1993, 18, 893-896.	3.3	44
27	Role of retinal pigment epithelium-derived exosomes and autophagy in new blood vessel formation. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 5244-5256.	3.6	43
28	Chronic Ethanol Feeding Induces Cellular Antioxidants Decrease and Oxidative Stress in Rat Peripheral Nerves. Effect of S-Adenosyl-L-Methionine and N-Acetyl-L-Cysteine. <i>Free Radical Biology and Medicine</i> , 1998, 25, 365-368.	2.9	42
29	Role of oxygen and nitrogen species in experimental uveitis: anti-inflammatory activity of the synthetic antioxidant ebselen. <i>Free Radical Biology and Medicine</i> , 2002, 33, 669-675.	2.9	41
30	Antioxidants rescue photoreceptors in rd1 mice: Relationship with thiol metabolism. <i>Free Radical Biology and Medicine</i> , 2010, 48, 216-222.	2.9	39
31	Serum vitamin E levels negatively correlate with severity of age-related macular degeneration. <i>Mechanisms of Ageing and Development</i> , 1999, 107, 159-164.	4.6	38
32	Frozen Breast Milk at -20°C and -80°C: A Longitudinal Study of Glutathione Peroxidase Activity and Malondialdehyde Concentration. <i>Journal of Human Lactation</i> , 2010, 26, 35-41.	1.6	38
33	Curcumin as a Therapeutic Option in Retinal Diseases. <i>Antioxidants</i> , 2020, 9, 48.	5.1	38
34	Ebselen Prevents Chronic Alcohol-Induced Rat Hippocampal Stress and Functional Impairment. <i>Alcoholism: Clinical and Experimental Research</i> , 2007, 31, 486-492.	2.4	35
35	Rotenone Induces the Formation of 4-Hydroxynonenal Aggregates. Role of ROS-Mediated Tubulin Hyperacetylation and Autophagic Flux Disruption. <i>Molecular Neurobiology</i> , 2016, 53, 6194-6208.	4.0	35
36	Effects of glutathione depletion on gluconeogenesis in isolated hepatocytes. <i>Archives of Biochemistry and Biophysics</i> , 1985, 241, 75-80.	3.0	34

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37	Single-dose ebselen does not afford sustained neuroprotection to rats subjected to severe focal cerebral ischemia. <i>European Journal of Pharmacology</i> , 2004, 495, 55-62.	3.5	34
38	Chronic alcohol feeding induces biochemical, histological, and functional alterations in rat retina. <i>Alcohol and Alcoholism</i> , 2008, 43, 254-260.	1.6	32
39	Nitrosative Stress in Retinal Pathologies: Review. <i>Antioxidants</i> , 2019, 8, 543.	5.1	32
40	Glutathione system of human retina: Enzymatic conjugation of lipid peroxidation products. <i>Free Radical Biology and Medicine</i> , 1993, 14, 549-551.	2.9	31
41	Serum Malondialdehyde in HIV Seropositive Children. <i>Free Radical Biology and Medicine</i> , 1998, 24, 503-506.	2.9	31
42	Protection by DHA of Early Hippocampal Changes in Diabetes: Possible Role of CREB and NF- $\kappa$ B. <i>Neurochemical Research</i> , 2012, 37, 105-115.	3.3	31
43	ARPE-19-derived VEGF-containing exosomes promote neovascularization in HUVEC: the role of the melanocortin receptor 5. <i>Cell Cycle</i> , 2019, 18, 413-424.	2.6	31
44	Efficacy of the antioxidant ebselen in experimental uveitis. <i>Free Radical Biology and Medicine</i> , 1999, 27, 388-391.	2.9	30
45	Antioxidants in peripheral nerve. <i>Free Radical Biology and Medicine</i> , 1996, 20, 925-932.	2.9	29
46	4-Hydroxynonenal, a Lipid Peroxidation Product, Induces Relaxation of Human Cerebral Arteries. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1994, 14, 693-696.	4.3	28
47	The levels of quinone reductases, superoxide dismutase and glutathione-related enzymatic activities in diethylstilbestrol-induced carcinogenesis in the kidney of male Syrian golden hamsters. <i>Carcinogenesis</i> , 1990, 11, 1727-1732.	2.8	27
48	CR-6 protects glutathione peroxidase activity in experimental diabetes. <i>Free Radical Biology and Medicine</i> , 2007, 43, 1494-1498.	2.9	27
49	A simple procedure for the preparation of isolated liver cells. <i>Biochemical Education</i> , 1983, 11, 135-136.	0.1	25
50	Oxidative Stress in Rat Retina and Hippocampus after Chronic MDMA (â€œecstasyâ€™) Administration. <i>Neurochemical Research</i> , 2007, 32, 1156-1162.	3.3	24
51	Serum Malondialdehyde Concentration and Glutathione Peroxidase Activity in a Longitudinal Study of Gestational Diabetes. <i>PLoS ONE</i> , 2016, 11, e0155353.	2.5	24
52	Lipid peroxidation is increased in tears from the elderly. <i>Experimental Eye Research</i> , 2013, 115, 199-205.	2.6	22
53	Alterations in glutamate cysteine ligase content in the retina of two retinitis pigmentosa animal models. <i>Free Radical Biology and Medicine</i> , 2016, 96, 245-254.	2.9	22
54	Antioxidant and glutathione-related enzymatic activities in rat sciatic nerve. <i>Neurotoxicology and Teratology</i> , 1990, 12, 603-605.	2.4	20

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55	Matching Diabetes and Alcoholism: Oxidative Stress, Inflammation, and Neurogenesis Are Commonly Involved. <i>Mediators of Inflammation</i> , 2015, 2015, 1-8.	3.0	19
56	Metabolic muscle damage and oxidative stress markers in an America's Cup yachting crew. <i>European Journal of Applied Physiology</i> , 2011, 111, 1341-1350.	2.5	17
57	miR302a and 122 are deregulated in small extracellular vesicles from ARPE-19 cells cultured with H <sub>2</sub> O <sub>2</sub> . <i>Scientific Reports</i> , 2019, 9, 17954.	3.3	16
58	Lipid peroxidation products in human subretinal fluid. <i>Free Radical Biology and Medicine</i> , 1996, 20, 899-903.	2.9	15
59	THE EFFECT OF TWO SULPHUR-CONTAINING PESTICIDES, FENITROTHION AND ENDOSULFAN, ON GLUTATHIONE (GSH) CONTENT AND ON GSH S-TRANSFERASE AND $\gamma$ -GLUTAMYL TRANSPEPTIDASE ACTIVITIES IN MIDGUT GLAND OF THE AMERICAN RED CRAYFISH PROCAMBARUS CLARKII. <i>Drug Metabolism and Drug Interactions</i> , 1988, 6, 383-94.	0.3	14
60	Experimental diabetic neuropathy: Role of oxidative stress and mechanisms involved. <i>BioFactors</i> , 1998, 8, 41-43.	5.4	14
61	Serum malondialdehyde in HIV-seropositive children negatively correlates with CD4+ lymphocytes count. <i>BioFactors</i> , 1998, 8, 129-132.	5.4	14
62	Reduction of brain antioxidant defense upon treatment with butylated hydroxyanisole (BHA) and Sudan III in Syrian golden hamster. <i>Neurochemical Research</i> , 2000, 25, 389-393.	3.3	14
63	CYP2E1 in the Human Retinal Pigment Epithelium: Expression, Activity, and Induction by Ethanol. , 2015, 56, 6855.		14
64	Is There A Role for Abscisic Acid, A Proven Anti-Inflammatory Agent, in the Treatment of Ischemic Retinopathies?. <i>Antioxidants</i> , 2019, 8, 104.	5.1	14
65	Activity and immunohistochemistry of DT-diaphorase in hamster and human kidney tumours. <i>Carcinogenesis</i> , 1994, 15, 1631-1636.	2.8	10
66	Semiquantitative bioluminescent assay of glutathione. , 1998, 13, 263-266.		10
67	Myocardial Glutathione Alterations in Acute Coronary Occlusion in the Dog. <i>Free Radical Research Communications</i> , 1987, 4, 27-30.	1.8	9
68	Serum Malondialdehyde Correlates with Therapeutic Efficiency of High Activity Antiretroviral Therapies (HAART) in HIV-1 Infected Children. <i>Free Radical Research</i> , 2002, 36, 341-344.	3.3	9
69	&lt;p&gt;A randomized multicenter study comparing seawater washes and carmellose artificial tears eyedrops in the treatment of dry eye syndrome&lt;/p&gt;. <i>Clinical Ophthalmology</i> , 2019, Volume 13, 483-490.	1.8	9
70	Careful consideration of the effects induced by glutathione depletion in rat liver and heart. The involvement of cytosolic and mitochondrial glutathione pools. <i>Chemico-Biological Interactions</i> , 1989, 70, 29-37.	4.0	8
71	The activity of glutathione S-transferase in hepatopancreas of Procambarus clarkii: Seasonal variations and the influence of environmental pollutants. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1991, 100, 65-66.	0.2	8
72	Prevention of the acute neurotoxic effects of phenytoin on rat peripheral nerve by H7, an inhibitor of protein kinase C. <i>Toxicology</i> , 1992, 75, 249-256.	4.2	8

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73	[15] Glutathione and protein kinase C in peripheral nervous tissue. <i>Methods in Enzymology</i> , 1995, 252, 146-153.	1.0	8
74	Phenytoin-induced glutathione depletion in rat peripheral nerve. <i>Free Radical Biology and Medicine</i> , 1995, 19, 665-667.	2.9	8
75	Temperature dependence of the toxic effects of phenytoin on peripheral neuromuscular function of the rat tail. <i>Neurotoxicology and Teratology</i> , 1990, 12, 627-631.	2.4	7
76	Chronic Cocaine Effects in Retinal Metabolism and Electrophysiology: Treatment with Topiramate. <i>Current Eye Research</i> , 2014, 39, 493-503.	1.5	7
77	Does Oxidative Stress Induced by Alcohol Consumption Affect Orthodontic Treatment Outcome?. <i>Frontiers in Physiology</i> , 2017, 8, 22.	2.8	7
78	Ethanol-Induced Oxidative Stress Modifies Inflammation and Angiogenesis Biomarkers in Retinal Pigment Epithelial Cells (ARPE-19): Role of CYP2E1 and its Inhibition by Antioxidants. <i>Antioxidants</i> , 2020, 9, 776.	5.1	7
79	Oxidative-Induced Angiogenesis Is Modulated by Small Extracellular Vesicle miR-302a-3p Cargo in Retinal Pigment Epithelium Cells. <i>Antioxidants</i> , 2022, 11, 818.	5.1	7
80	Hydroperoxide metabolism in vitamin E-deficient hepatocytes. Studies on low-level chemiluminescence, lipid peroxidation, and glutathione status. , 1987, 33, 179-186.		6
81	Decreased hepatic gluconeogenesis by treatment with substrates of the GSH S-transferases. <i>Biochemical Pharmacology</i> , 1985, 34, 453-454.	4.4	5
82	H7, a protein kinase C inhibitor, increases the glutathione content of neuroblastoma cells. <i>FEBS Letters</i> , 1992, 303, 19-21.	2.8	5
83	Glutathione content, glutathione S-transferase and $\hat{3}$ -glutamyltranspeptidase activities in mid-gut gland of <i>Procambarus clarkii</i> : time course in the presence of cadmium. <i>Biochemical Society Transactions</i> , 1988, 16, 23-24.	3.4	4
84	Mercury effects on glutathione in the freshwater crayfish <i>Procambarus clarkii</i> . In vivo and in vitro study. <i>Toxicological and Environmental Chemistry</i> , 1990, 29, 1-7.	1.2	4
85	New Trends in Anterior Segment Diseases of the Eye. <i>Journal of Ophthalmology</i> , 2014, 2014, 1-2.	1.3	4
86	Antioxidants and Retinal Diseases. <i>Antioxidants</i> , 2019, 8, 604.	5.1	4
87	Role of hippocampal NF- $\hat{3}$ B and GluN2B in the memory acquisition impairment of experiences gathered prior to cocaine administration in rats. <i>Scientific Reports</i> , 2021, 11, 20033.	3.3	3
88	Human Milk Antioxidative Modifications in Mastitis: Further Beneficial Effects of Cranberry Supplementation. <i>Antioxidants</i> , 2022, 11, 51.	5.1	3
89	Differential Hippocampal Response to Chronic Alcohol Consumption of Young Adult and Mature Adult Rats. <i>Alcohol and Alcoholism</i> , 2012, 47, 219-224.	1.6	2
90	The Anti-Oxidative Component of Docosahexaenoic Acid (DHA) in the Brain in Diabetes. , 2014, , 129-134.		2

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91	Alterations in the antioxidant defense of peripheral nervous tissue following acute ethanol administration. <i>Biochemical Society Transactions</i> , 1993, 21, 92S-92S.	3.4	1
92	Role of Lycium Barbarum Extracts in Retinal Diseases. , 2015, , 153-178.		1
93	Antioxidative component of docosahexaenoic acid in the brain in diabetes. , 2020, , 161-168.		0