Elena Obrador Pla

List of Publications by Citations

48 papers	2,790 citations	27 h-index	51 g-index
51 ext. papers	3,144 ext. citations	7.3 avg, IF	4.72 L-index

#	Paper	IF	Citations
48	Glutathione in cancer biology and therapy. *Critical Reviews in Clinical Laboratory Sciences*, **2006**, 43, 143-81	9.4	719
47	Inhibition of cancer growth by resveratrol is related to its low bioavailability. *Free Radical Biology and Medicine*, **2002**, 33, 387-98	7.8	300
46	Changes in glutathione status and the antioxidant system in blood and in cancer cells associate with tumour growth in vivo. *Free Radical Biology and Medicine*, **1999**, 26, 410-8	7.8	155
45	Blood glutathione as an index of radiation-induced oxidative stress in mice and humans. *Free Radical Biology and Medicine*, **1997**, 22, 1203-9	7.8	127
44	Association between pterostilbene and quercetin inhibits metastatic activity of B16 melanoma. *Neoplasia*, **2005**, 7, 37-47	6.4	121
43	Growth-associated changes in glutathione content correlate with liver metastatic activity of B16 melanoma cells. *Clinical and Experimental Metastasis*, **1999**, 17, 567-74	4.7	77
42	Acceleration of glutathione efflux and inhibition of gamma-glutamyltranspeptidase sensitize metastatic B16 melanoma cells to endothelium-induced cytotoxicity. *Journal of Biological Chemistry* , **2005**, 280, 6950-9	5.4	73
41	Natural polyphenols facilitate elimination of HT-29 colorectal cancer xenografts by chemoradiotherapy: a Bcl-2- and superoxide dismutase 2-dependent mechanism. *Molecular Cancer Therapeutics*, **2008**, 7, 3330-42	6.1	71
40	gamma-Glutamyl transpeptidase overexpression increases metastatic growth of B16 melanoma cells in the mouse liver. *Hepatology*, **2002**, 35, 74-81	11.2	71
39	Glutathione and the rate of cellular proliferation determine tumour cell sensitivity to tumour necrosis factor in vivo. *Biochemical Journal*, **1997**, 325 (Pt 1), 183-9	3.8	69
38	Elimination of Ehrlich tumours by ATP-induced growth inhibition, glutathione depletion and X-rays. *Nature Medicine*, **1995**, 1, 84-8	50.5	66
37	Polyphenolic Phytochemicals in Cancer Prevention and Therapy: Bioavailability versus Bioefficacy. *Journal of Medicinal Chemistry*, **2017**, 60, 9413-9436	8.3	62
36	Bcl-2 and glutathione depletion sensitizes B16 melanoma to combination therapy and eliminates metastatic disease. *Clinical Cancer Research*, **2007**, 13, 2658-66	12.9	62
35	Glutathione protects metastatic melanoma cells against oxidative stress in the murine hepatic microvasculature. *Hepatology*, **1998**, 27, 1249-56	11.2	54
34	Astrocytes protect neurons from A□-42 peptide-induced neurotoxicity increasing TFAM and PGC-1 and decreasing PPAR-□and SIRT-1. *International Journal of Medical Sciences*, **2015**, 12, 48-56	3.7	51
33	Stress hormones promote growth of B16-F10 melanoma metastases: an interleukin 6- and glutathione-dependent mechanism. *Journal of Translational Medicine*, **2013**, 11, 72	8.5	48
32	Tumoricidal activity of endothelial cells. Inhibition of endothelial nitric oxide production abrogates tumor cytotoxicity induced by hepatic sinusoidal endothelium in response to B16 melanoma adhesion in vitro. *Journal of Biological Chemistry*, **2001**, 276, 25775-82	5.4	42

31	Down-regulation of glutathione and Bcl-2 synthesis in mouse B16 melanoma cells avoids their survival during interaction with the vascular endothelium. *Journal of Biological Chemistry*, **2003**, 278, 39591-9	5.4	41
30	Tumor cytotoxicity by endothelial cells. Impairment of the mitochondrial system for glutathione uptake in mouse B16 melanoma cells that survive after in vitro interaction with the hepatic sinusoidal endothelium. *Journal of Biological Chemistry*, **2003**, 278, 13888-97	5.4	41
29	Bcl-2 and Mn-SOD antisense oligodeoxynucleotides and a glutamine-enriched diet facilitate elimination of highly resistant B16 melanoma cells by tumor necrosis factor-alpha and chemotherapy. *Journal of Biological Chemistry*, **2006**, 281, 69-79	5.4	38
28	Oxidative stress and antioxidants in the pathophysiology of malignant melanoma. *Biological Chemistry*, **2019**, 400, 589-612	4.5	38
27	Pterostilbene Decreases the Antioxidant Defenses of Aggressive Cancer Cells In Vivo: A Physiological Glucocorticoids- and Nrf2-Dependent Mechanism. *Antioxidants and Redox Signaling*, **2016**, 24, 974-90	8.4	37
26	Efficacy and tolerability of EH301 for amyotrophic lateral sclerosis: a randomized, double-blind, placebo-controlled human pilot study. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2019**, 20, 115-122	3.6	36
25	WIN 55,212-2, agonist of cannabinoid receptors, prevents amyloid 1-42 effects on astrocytes in primary culture. *PLoS ONE*, **2015**, 10, e0122843	3.7	34
24	Mitochondrial glutathione depletion by glutamine in growing tumor cells. *Free Radical Biology and Medicine*, **2000**, 29, 913-23	7.8	32
23	Nitric oxide mediates natural polyphenol-induced Bcl-2 down-regulation and activation of cell death in metastatic B16 melanoma. *Journal of Biological Chemistry*, **2007**, 282, 2880-90	5.4	31
22	Glutamine potentiates TNF-alpha-induced tumor cytotoxicity. *Free Radical Biology and Medicine*, **2001**, 31, 642-50	7.8	31
21	Glutathione in metastases: From mechanisms to clinical applications. *Critical Reviews in Clinical Laboratory Sciences*, **2016**, 53, 253-67	9.4	27
20	Oxidative Stress, Neuroinflammation and Mitochondria in the Pathophysiology of Amyotrophic Lateral Sclerosis. *Antioxidants*, **2020**, 9,	7.1	26
19	Regulation of tumour cell sensitivity to TNF-induced oxidative stress and cytotoxicity: role of glutathione. *BioFactors*, **1998**, 8, 23-6	6.1	22
18	Radioprotection and Radiomitigation: From the Bench to Clinical Practice. *Biomedicines*, **2020**, 8,	4.8	21
17	Intertissue flow of glutathione (GSH) as a tumor growth-promoting mechanism: interleukin 6 induces GSH release from hepatocytes in metastatic B16 melanoma-bearing mice. *Journal of Biological Chemistry*, **2011**, 286, 15716-27	5.4	21
16	Glucocorticoid receptor knockdown decreases the antioxidant protection of B16 melanoma cells: an endocrine system-related mechanism that compromises metastatic cell resistance to vascular endothelium-induced tumor cytotoxicity. *PLoS ONE*, **2014**, 9, e96466	3.7	18
15	Sugammadex, a neuromuscular blockade reversal agent, causes neuronal apoptosis in primary cultures. *International Journal of Medical Sciences*, **2013**, 10, 1278-85	3.7	17
14	Tumoricidal activity of endothelium-derived NO and the survival of metastatic cells with high GSH and Bcl-2 levels. *Nitric Oxide - Biology and Chemistry*, **2008**, 19, 107-14	5	15

13	Possible mechanisms for tumour cell sensitivity to TNF-alpha and potential therapeutic applications. *Current Pharmaceutical Biotechnology*, **2001**, 2, 119-30	2.6	15
12	The Link between Oxidative Stress, Redox Status, Bioenergetics and Mitochondria in the Pathophysiology of ALS. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	15
11	Changes in Chemokines and Chemokine Receptors Expression in a Mouse Model of Alzheimer's Disease. *International Journal of Biological Sciences*, **2019**, 15, 453-463	11.2	15
10	Effects of Ranolazine on Astrocytes and Neurons in Primary Culture. *PLoS ONE*, **2016**, 11, e0150619	3.7	12
9	Glutathione and Bcl-2 targeting facilitates elimination by chemoradiotherapy of human A375 melanoma xenografts overexpressing bcl-xl, bcl-2, and mcl-1. *Journal of Translational Medicine*, **2012**, 10, 8	8.5	11
8	Pterostilbene in Cancer Therapy. *Antioxidants*, **2021**, 10,	7.1	10
7	Neuronal Effects of Sugammadex in combination with Rocuronium or Vecuronium. *International Journal of Medical Sciences*, **2017**, 14, 224-230	3.7	5
6	Glucocorticoid receptor antagonism overcomes resistance to BRAF inhibition in BRAF-mutated metastatic melanoma. *American Journal of Cancer Research*, **2019**, 9, 2580-2598	4.4	4
5	Nicotinamide Riboside and Pterostilbene Cooperatively Delay Motor Neuron Failure in ALS SOD1 Mice. *Molecular Neurobiology*, **2021**, 58, 1345-1371	6.2	3
4	Melanoma in the liver: Oxidative stress and the mechanisms of metastatic cell survival. *Seminars in Cancer Biology*, **2021**, 71, 109-121	12.7	2
3	NAD Precursors and Antioxidants for the Treatment of Amyotrophic Lateral Sclerosis. *Biomedicines*, **2021**, 9,	4.8	1
2	Combination of natural polyphenols with a precursor of NAD+ and a TLR2/6 ligand lipopeptide protects mice against lethal radiation. *Journal of Advanced Research*, **2022**,	13	1
1	Nuclear and Radiological Emergencies: Biological Effects, Countermeasures and Biodosimetry. *Antioxidants*, **2022**, 11, 1098	7.1	1