# Jose M Estrela

List of Publications by Year
in descending order



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|---|---|---|---|
| 60 papers | 4,633 citations | 94433 37 h-index | 149698 56 g-index |
| 61 all docs | 61 docs citations | 61 times ranked | 6960 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Glutathione in Cancer Biology and Therapy. Critical Reviews in Clinical Laboratory Sciences, 2006, 43, 143-181. | 6.1 | 860 |
| 2 | Inhibition of cancer growth by resveratrol is related to its low bioavailability. Free Radical Biology and Medicine, 2002, 33, 387-398. | 2.9 | 338 |
| 3 | Oxidative stress in environmental-induced carcinogenesis. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2009, 674, 36-44. | 1.7 | 288 |
| 4 | Glutathione in Cancer Cell Death. Cancers, 2011, 3, 1285-1310. | 3.7 | 247 |
| 5 | 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, 410-418. | 2.9 | 180 |
| 6 | Blood Glutathione as an Index of Radiation-Induced Oxidative Stress in Mice and Humans. Free Radical Biology and Medicine, 1997, 22, 1203-1209. | 2.9 | 146 |
| 7 | Role of Natural Stilbenes in the Prevention of Cancer. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-15. | 4.0 | 145 |
| 8 | Association between Pterostilbene and Quercetin Inhibits Metastatic Activity of B16 Melanoma. Neoplasia, 2005, 7, 37-47. | 5.3 | 138 |
| 9 | Natural polyphenols in cancer therapy. Critical Reviews in Clinical Laboratory Sciences, 2011, 48, 197-216. | 6.1 | 136 |
| 10 | Pterostilbene: Biomedical applications. Critical Reviews in Clinical Laboratory Sciences, 2013, 50, 65-78. | 6.1 | 133 |
| 11 | Topical treatment with pterostilbene, a natural phytoalexin, effectively protects hairless mice against UVB radiation-induced skin damage and carcinogenesis. Free Radical Biology and Medicine, 2015, 85, 1-11. | 2.9 | 101 |
| 12 | Growth-associated changes in glutathione content correlate with liver metastatic activity of B16 melanoma cells. Clinical and Experimental Metastasis, 1999, 17, 567-574. | 3.3 | 99 |
| 13 | Polyphenolic Phytochemicals in Cancer Prevention and Therapy: Bioavailability versus Bioefficacy. Journal of Medicinal Chemistry, 2017, 60, 9413-9436. | 6.4 | 89 |
| 14 | Acceleration of Glutathione Efflux and Inhibition of Î³-Glutamyltranspeptidase Sensitize Metastatic B16 Melanoma Cells to Endothelium-induced Cytotoxicity. Journal of Biological Chemistry, 2005, 280, 6950-6959. | 3.4 | 82 |
| 15 | Î³-Glutamyl transpeptidase overexpression increases metastatic growth of B16 melanoma cells in the mouse liver. Hepatology, 2002, 35, 74-81. | 7.3 | 81 |
| 16 | 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, 3330-3342. | 4.1 | 81 |
| 17 | Pterostilbene-Induced Tumor Cytotoxicity: A Lysosomal Membrane Permeabilization-Dependent Mechanism. PLoS ONE, 2012, 7, e44524. | 2.5 | 80 |
| 18 | Oxidative stress and antioxidants in the pathophysiology of malignant melanoma. Biological Chemistry, 2019, 400, 589-612. | 2.5 | 76 |

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|---|---|---|---|
| 19 | Glutathione and the rate of cellular proliferation determine tumour cell sensitivity to tumour necrosis factor in vivo. Biochemical Journal, 1997, 325, 183-189. | 3.7 | 74 |
| 20 | Radioprotection and Radiomitigation: From the Bench to Clinical Practice. Biomedicines, 2020, 8, 461. | 3.2 | 74 |
| 21 | Elimination of Ehrlich tumours by ATP-induced growth inhibition, glutathione depletion and X-rays. Nature Medicine, 1995, 1, 84-88. | 30.7 | 69 |
| 22 | Bcl-2 and Glutathione Depletion Sensitizes B16 Melanoma to Combination Therapy and Eliminates Metastatic Disease. Clinical Cancer Research, 2007, 13, 2658-2666. | 7.0 | 68 |
| 23 | Oxidative Stress, Neuroinflammation and Mitochondria in the Pathophysiology of Amyotrophic Lateral Sclerosis. Antioxidants, 2020, 9, 901. | 5.1 | 63 |
| 24 | Glutathione protects metastatic melanoma cells against oxidative stress in the murine hepatic microvasculature. Hepatology, 1998, 27, 1249-1256. | 7.3 | 62 |
| 25 | 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. | 1.7 | 62 |
| 26 | Stress hormones promote growth of B16-F10 melanoma metastases: an interleukin 6- and glutathione-dependent mechanism. Journal of Translational Medicine, 2013, 11, 72. | 4.4 | 58 |
| 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, 974-990. | 5.4 | 54 |
| 28 | Pterostilbene in Cancer Therapy. Antioxidants, 2021, 10, 492. | 5.1 | 51 |
| 29 | Tumoricidal Activity of Endothelial Cells. Journal of Biological Chemistry, 2001, 276, 25775-25782. | 3.4 | 47 |
| 30 | Glutathione in metastases: From mechanisms to clinical applications. Critical Reviews in Clinical Laboratory Sciences, 2016, 53, 253-267. | 6.1 | 47 |
| 31 | The Link between Oxidative Stress, Redox Status, Bioenergetics and Mitochondria in the Pathophysiology of ALS. International Journal of Molecular Sciences, 2021, 22, 6352. | 4.1 | 47 |
| 32 | [35] Determination of oxidized glutathione in blood: High-performance liquid chromatography. Methods in Enzymology, 1994, 234, 367-371. | 1.0 | 46 |
| 33 | Tumor Cytotoxicity by Endothelial Cells. Journal of Biological Chemistry, 2003, 278, 13888-13897. | 3.4 | 44 |
| 34 | 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, 39591-39599. | 3.4 | 42 |
| 35 | 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, 2880-2890. | 3.4 | 42 |
| 36 | Bcl-2 and Mn-SOD Antisense Oligodeoxynucleotides and a Glutamine-enriched Diet Facilitate Elimination of Highly Resistant B16 Melanoma Cells by Tumor Necrosis Factor-Î± and Chemotherapy. Journal of Biological Chemistry, 2006, 281, 69-79. | 3.4 | 40 |

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|---|---|---|---|
| 37 | The effect of cysteine and N-acetyl cysteine on rat liver glutathione (GSH). Biochemical Pharmacology, 1983, 32, 3483-3485. | 4.4 | 38 |
| 38 | Mitochondrial glutathione depletion by glutamine in growing tumor cells. Free Radical Biology and Medicine, 2000, 29, 913-923. | 2.9 | 38 |
| 39 | Glutamine potentiates TNF-Î±-induced tumor cytotoxicity. Free Radical Biology and Medicine, 2001, 31, 642-650. | 2.9 | 36 |
| 40 | Oxidative and Nitrosative Stress in the Metastatic Microenvironment. Cancers, 2010, 2, 274-304. | 3.7 | 26 |
| 41 | Regulation of tumour cell sensitivity to TNFâ€induced oxidative stress and cytotoxicity: Role of glutathione. BioFactors, 1998, 8, 23-26. | 5.4 | 25 |
| 42 | Intertissue Flow of Glutathione (GSH) as a Tumor Growth-promoting Mechanism. Journal of Biological Chemistry, 2011, 286, 15716-15727. | 3.4 | 24 |
| 43 | 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. | 2.5 | 24 |
| 44 | Nicotinamide Riboside and Pterostilbene Cooperatively Delay Motor Neuron Failure in ALS SOD1G93A Mice. Molecular Neurobiology, 2021, 58, 1345-1371. | 4.0 | 24 |
| 45 | Nuclear and Radiological Emergencies: Biological Effects, Countermeasures and Biodosimetry. Antioxidants, 2022, 11, 1098. | 5.1 | 19 |
| 46 | Possible Mechanisms for Tumour Cell Sensitivity to TNF-a and Potential Therapeutic Applications. Current Pharmaceutical Biotechnology, 2001, 2, 119-130. | 1.6 | 17 |
| 47 | 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, 107-114. | 2.7 | 15 |
| 48 | Melanoma in the liver: Oxidative stress and the mechanisms of metastatic cell survival. Seminars in Cancer Biology, 2021, 71, 109-121. | 9.6 | 12 |
| 49 | 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. | 4.4 | 11 |
| 50 | An Intercellular Flow of Glutathione Regulated by Interleukin 6 Links Astrocytes and the Liver in the Pathophysiology of Amyotrophic Lateral Sclerosis. Antioxidants, 2021, 10, 2007. | 5.1 | 8 |
| 51 | NAD+ Precursors and Antioxidants for the Treatment of Amyotrophic Lateral Sclerosis. Biomedicines, 2021, 9, 1000. | 3.2 | 6 |
| 52 | Glucocorticoid receptor antagonism overcomes resistance to BRAF inhibition in BRAF-mutated metastatic melanoma. American Journal of Cancer Research, 2019, 9, 2580-2598. | 1.4 | 6 |
| 53 | Adenine nucleotide compartmentation in foetal rat hepatocytes. FEBS Letters, 1986, 208, 105-108. | 2.8 | 4 |
| 54 | Glutathione metabolism under the influence of hydroperoxides in the lactating mammary gland of the rat. Effect of glucose and extracellular ATP. Bioscience Reports, 1987, 7, 23-31. | 2.4 | 4 |

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|---|---|---|---|
| 55 | Combination of natural polyphenols with a precursor of NAD+ and a TLR2/6 ligand lipopeptide protects mice against lethal ĩ³ radiation. Journal of Advanced Research, 2022, , . | 9.5 | 4 |
| 56 | A role for the 2-oxoglutarate carrier in glutathione transport into hepatocyte mitochondria?. Hepatology, 2004, 39, 570-571. | 7.3 | 2 |
| 57 | Hormonal stimulation of glutamine degradation in rat hepatocytes. Biochemical Society Transactions, 1985, 13, 750-751. | 3.4 | 0 |
| 58 | Effect of glutathione depletion by treatment with substrates of the glutathione S-transferases on gluconeogenesis and phosphoenolpyruvate recycling in rat hepatocytes. Biochemical Society Transactions, 1987, 15, 223-224. | 3.4 | 0 |
| 59 | Nitric Oxide: A Rate-Limiting Factor for Metastases Development. , 2010, , 189-207. | | 0 |
| 60 | Abstract 1605: Pterostilbene, a natural phytoalexin, effectively protects against UVB-induced skin carcinogenesis by increasing antioxidant cellular defenses and preventing mutagenesis. , 2014, , . | | 0 |