Consuelo Borras

List of Publications by Citations

120 papers	6,904 citations	40 h-index	82 g-index
165 ext. papers	7,961 ext. citations	6.1 avg, IF	5.58 L-index

#	Paper	IF	Citations
120	Oral administration of vitamin C decreases muscle mitochondrial biogenesis and hampers training-induced adaptations in endurance performance. *American Journal of Clinical Nutrition*, **2008**, 87, 142-9	7	580
119	Mitochondria from females exhibit higher antioxidant gene expression and lower oxidative damage than males. *Free Radical Biology and Medicine*, **2003**, 34, 546-52	7.8	440
118	Delayed ageing through damage protection by the Arf/p53 pathway. *Nature*, **2007**, 448, 375-9	50.4	395
117	Properties of Resveratrol: In Vitro and In Vivo Studies about Metabolism, Bioavailability, and Biological Effects in Animal Models and Humans. *Oxidative Medicine and Cellular Longevity*, **2015**, 2015, 837042	6.7	375
116	Telomerase reverse transcriptase delays aging in cancer-resistant mice. *Cell*, **2008**, 135, 609-22	56.2	339
115	Decreasing xanthine oxidase-mediated oxidative stress prevents useful cellular adaptations to exercise in rats. *Journal of Physiology*, **2005**, 567, 113-20	3.9	313
114	17beta-oestradiol up-regulates longevity-related, antioxidant enzyme expression via the ERK1 and ERK2[MAPK]/NFkappaB cascade. *Aging Cell*, **2005**, 4, 113-8	9.9	223
113	Cognitive function in primary progressive and transitional progressive multiple sclerosis: a controlled study with MRI correlates. *Brain*, **1999**, 122 (Pt 7), 1341-8	11.2	192
112	Why females live longer than males? Importance of the upregulation of longevity-associated genes by oestrogenic compounds. *FEBS Letters*, **2005**, 579, 2541-5	3.8	162
111	Mitochondrial biogenesis in exercise and in ageing. *Advanced Drug Delivery Reviews*, **2009**, 61, 1369-74	18.5	146
110	The free radical theory of aging revisited: the cell signaling disruption theory of aging. *Antioxidants and Redox Signaling*, **2013**, 19, 779-87	8.4	141
109	Dietary soy isoflavone induced increases in antioxidant and eNOS gene expression lead to improved endothelial function and reduced blood pressure in vivo. *FASEB Journal*, **2005**, 19, 1755-7	0.9	140
108	Glutathione is recruited into the nucleus in early phases of cell proliferation. *Journal of Biological Chemistry*, **2007**, 282, 20416-24	5.4	139
107	Direct antioxidant and protective effect of estradiol on isolated mitochondria. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2010**, 1802, 205-11	6.9	138
106	Estradiol or genistein prevent Alzheimer's disease-associated inflammation correlating with an increase PPAR gamma expression in cultured astrocytes. *Brain Research*, **2010**, 1312, 138-44	3.7	134
105	Theories of ageing. *IUBMB Life*, **2007**, 59, 249-54	4.7	129
104	Genistein, a soy isoflavone, up-regulates expression of antioxidant genes: involvement of estrogen receptors, ERK1/2, and NFkappaB. *FASEB Journal*, **2006**, 20, 2136-8	0.9	128

103	Ursodeoxycholic acid protects against secondary biliary cirrhosis in rats by preventing mitochondrial oxidative stress. *Hepatology*, **2004**, 39, 711-20	11.2	114
102	Mitochondrial theory of aging: importance to explain why females live longer than males. *Antioxidants and Redox Signaling*, **2003**, 5, 549-56	8.4	105
101	Females live longer than males: role of oxidative stress. *Current Pharmaceutical Design*, **2011**, 17, 3959-65	3.3	100
100	Role of mitochondrial oxidative stress to explain the different longevity between genders: protective effect of estrogens. *Free Radical Research*, **2006**, 40, 1359-65	4	97
99	Oxidative stress is related to frailty, not to age or sex, in a geriatric population: lipid and protein oxidation as biomarkers of frailty. *Journal of the American Geriatrics Society*, **2014**, 62, 1324-8	5.6	93
98	Part of the series: from dietary antioxidants to regulators in cellular signalling and gene expression. Role of reactive oxygen species and (phyto)oestrogens in the modulation of adaptive response to stress. *Free Radical Research*, **2006**, 40, 111-9	4	91
97	A longitudinal study of cognition in primary progressive multiple sclerosis. *Brain*, **2005**, 128, 2891-8	11.2	88
96	METABOLIC BIOSIGNATURES OF FRAILTY IN AN ELDERLY SPANISH POPULATION. *Innovation in Aging*, **2017**, 1, 361-361	0.1	78
95	Anti-aging activity of the Ink4/Arf locus. *Aging Cell*, **2009**, 8, 152-61	9.9	77
94	Why females live longer than males: control of longevity by sex hormones. *Science of Aging Knowledge Environment: SAGE KE*, **2005**, 2005, pe17		76
93	Mitochondrial oxidant generation is involved in determining why females live longer than males. *Frontiers in Bioscience - Landmark*, **2007**, 12, 1008-13	2.8	73
92	Adverse cutaneous reactions associated with the newest antiretroviral drugs in patients with human immunodeficiency virus infection. *Journal of Antimicrobial Chemotherapy*, **2008**, 62, 879-88	5.1	68
91	Centenarians, but not octogenarians, up-regulate the expression of microRNAs. *Scientific Reports*, **2012**, 2, 961	4.9	66
90	Relevance of Oxygen Concentration in Stem Cell Culture for Regenerative Medicine. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	64
89	Oestradiol or genistein rescues neurons from amyloid beta-induced cell death by inhibiting activation of p38. *Aging Cell*, **2008**, 7, 112-8	9.9	60
88	Mitochondria as sources and targets of damage in cellular aging. *Clinical Chemistry and Laboratory Medicine*, **2012**, 50, 1287-95	5.9	56
87	Glutathione regulates telomerase activity in 3T3 fibroblasts. *Journal of Biological Chemistry*, **2004**, 279, 34332-5	5.4	56
86	Clearing Amyloid-β through PPARγ/ApoE Activation by Genistein is a Treatment of Experimental Alzheimer's Disease. *Journal of Alzheimer's Disease*, **2016**, 51, 701-11	4.3	52

85	Hormonal regulation of pro-inflammatory and lipid peroxidation processes in liver of old ovariectomized female rats. *Biogerontology*, **2010**, 11, 229-43	4.5	46
84	A free radical theory of frailty. *Free Radical Biology and Medicine*, **2018**, 124, 358-363	7.8	45
83	Early, but not late onset estrogen replacement therapy prevents oxidative stress and metabolic alterations caused by ovariectomy. *Antioxidants and Redox Signaling*, **2014**, 20, 236-46	8.4	42
82	RasGrf1 deficiency delays aging in mice. *Aging*, **2011**, 3, 262-76	5.6	41
81	Biology of frailty: Modulation of ageing genes and its importance to prevent age-associated loss of function. *Molecular Aspects of Medicine*, **2016**, 50, 88-108	16.7	41
80	The dual role of p53: DNA protection and antioxidant. *Free Radical Research*, **2011**, 45, 643-52	4	40
79	Mitochondrial complex I impairment in leukocytes from type 2 diabetic patients. *Free Radical Biology and Medicine*, **2011**, 50, 1215-21	7.8	40
78	Mitochondrial DNA sequences are present inside nuclear DNA in rat tissues and increase with age. *Mitochondrion*, **2010**, 10, 479-86	4.9	40
77	A Stress-Resistant Lipidomic Signature Confers Extreme Longevity to Humans. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2017**, 72, 30-37	6.4	38
76	Women live longer than men: understanding molecular mechanisms offers opportunities to intervene by using estrogenic compounds. *Antioxidants and Redox Signaling*, **2010**, 13, 269-78	8.4	38
75	Mitochondrial oxidant signalling in Alzheimerꞵ disease. *Journal of Alzheimerls Disease*, **2007**, 11, 175-81	4.3	38
74	Molecular mechanisms involved in the hormonal prevention of aging in the rat. *Journal of Steroid Biochemistry and Molecular Biology*, **2008**, 108, 318-26	5.1	37
73	Modulation of longevity-associated genes by estrogens or phytoestrogens. *Biological Chemistry*, **2008**, 389, 273-7	4.5	36
72	Fostering antioxidant defences: up-regulation of antioxidant genes or antioxidant supplementation?. *British Journal of Nutrition*, **2007**, 98 Suppl 1, S36-40	3.6	35
71	Role of p16 and BMI-1 in oxidative stress-induced premature senescence in human dental pulp stem cells. *Redox Biology*, **2017**, 12, 690-698	11.3	34
70	PTEN mediates the antioxidant effect of resveratrol at nutritionally relevant concentrations. *BioMed Research International*, **2014**, 2014, 580852	3	34
69	Free [NADH]/[NAD(+)] regulates sirtuin expression. *Archives of Biochemistry and Biophysics*, **2011**, 512, 24-9	4.1	33
68	Mitochondrial damage in aging and apoptosis. *Annals of the New York Academy of Sciences*, **2002**, 959, 448-51	6.5	33

67	Exceptional human longevity is associated with a specific plasma phenotype of ether lipids. *Redox Biology*, **2019**, 21, 101127	11.3	32
66	Adverse cutaneous reactions induced by TNF-alpha antagonist therapy. *Southern Medical Journal*, **2009**, 102, 1133-40	0.6	32
65	Phosphatidylglycerol potently protects human retinal pigment epithelial cells against apoptosis induced by A2E, a compound suspected to cause age-related macula degeneration. *Experimental Eye Research*, **2002**, 75, 99-108	3.7	31
64	Effect of gender on mitochondrial toxicity of Alzheimer's Abeta peptide. *Antioxidants and Redox Signaling*, **2007**, 9, 1677-90	8.4	29
63	Human exceptional longevity: transcriptome from centenarians is distinct from septuagenarians and reveals a role of Bcl-xL in successful aging. *Aging*, **2016**, 8, 3185-3208	5.6	29
62	Pharmacological properties of physical exercise in the elderly. *Current Pharmaceutical Design*, **2014**, 20, 3019-29	3.3	27
61	Sex Differences in Age-Associated Type 2 Diabetes in Rats-Role of Estrogens and Oxidative Stress. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 6734836	6.7	22
60	Activation of p38, p21, and NRF-2 mediates decreased proliferation of human dental pulp stem cells cultured under 21% O2. *Stem Cell Reports*, **2014**, 3, 566-73	8	22
59	Ultrasonic Echo Intensity as a New Noninvasive In Vivo Biomarker of Frailty. *Journal of the American Geriatrics Society*, **2017**, 65, 2685-2690	5.6	21
58	Age-associated oxidative damage leads to absence of gamma-cystathionase in over 50% of rat lenses: relevance in cataractogenesis. *Free Radical Biology and Medicine*, **2005**, 38, 575-82	7.8	21
57	Centenarians maintain miRNA biogenesis pathway while it is impaired in octogenarians. *Mechanisms of Ageing and Development*, **2017**, 168, 54-57	5.6	19
56	Centenarians: An excellent example of resilience for successful ageing. *Mechanisms of Ageing and Development*, **2020**, 186, 111199	5.6	19
55	Lipid peroxidation as measured by chromatographic determination of malondialdehyde. Human plasma reference values in health and disease. *Archives of Biochemistry and Biophysics*, **2021**, 709, 108941	4.1	19
54	Role of oestrogens on oxidative stress and inflammation in ageing. *Hormone Molecular Biology and Clinical Investigation*, **2013**, 16, 65-72	1.3	18
53	Ginkgo biloba extract EGb 761 protects against mitochondrial aging in the brain and in the liver. *Cellular and Molecular Biology*, **2002**, 48, 685-92	1.1	18
52	Extracellular vesicles and redox modulation in aging. *Free Radical Biology and Medicine*, **2020**, 149, 44-50	7.8	17
51	High prevalence of genetically-determined mannose binding lectin deficiency in young children with invasive pneumococcal disease. *Clinical Microbiology and Infection*, **2014**, 20, O745-52	9.5	15
50	Redox lipidomics to better understand brain aging and function. *Free Radical Biology and Medicine*, **2019**, 144, 310-321	7.8	14

49	BCL-xL, a Mitochondrial Protein Involved in Successful Aging: From to Human Centenarians. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	14
48	Resveratrol shifts energy metabolism to increase lipid oxidation in healthy old mice. *Biomedicine and Pharmacotherapy*, **2019**, 118, 109130	7.5	13
47	Exome sequencing of three cases of familial exceptional longevity. *Aging Cell*, **2014**, 13, 1087-90	9.9	13
46	Extracellular Vesicles from Healthy Cells Improves Cell Function and Stemness in Premature Senescent Stem Cells by miR-302b and HIF-1 Activation. *Biomolecules*, **2020**, 10,	5.9	12
45	Low in vivo brain glucose consumption and high oxidative stress in accelerated aging. *FEBS Letters*, **2009**, 583, 2287-93	3.8	12
44	SOX2 expression diminishes with ageing in several tissues in mice and humans. *Mechanisms of Ageing and Development*, **2019**, 177, 30-36	5.6	12
43	Models for preclinical studies in aging-related disorders: One is not for all. *Translational Medicine @ UniSa*, **2015**, 13, 4-12	0.5	11
42	Garcinoic acid prevents amyloid (A) deposition in the mouse brain. *Journal of Biological Chemistry*, **2020**, 295, 11866-11876	5.4	10
41	Influence of Partial O Pressure on the Adhesion, Proliferation, and Osteogenic Differentiation of Human Dental Pulp Stem Cells on Tricalcium Phosphate Scaffold. *International Journal of Oral and Maxillofacial Implants*, **2017**, 32, 1251-1256	2.8	10
40	Relation Between Genetic Factors and Frailty in Older Adults. *Journal of the American Medical Directors Association*, **2019**, 20, 1451-1457	5.9	9
39	Targeting Alzheimer's disease with multimodal polypeptide-based nanoconjugates. *Science Advances*, **2021**, 7,	14.3	9
38	Age-dependent changes in the transcription profile of long-lived Drosophila over-expressing glutamate cysteine ligase. *Mechanisms of Ageing and Development*, **2012**, 133, 401-13	5.6	8
37	Application of mesenchymal stem cells in bone regenerative procedures in oral implantology. A literature review. *Journal of Clinical and Experimental Dentistry*, **2014**, 6, e60-5	1.4	8
36	Bcl-xL as a Modulator of Senescence and Aging. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	8
35	Overweight, obesity, and all-cause mortality. *JAMA - Journal of the American Medical Association*, **2013**, 309, 1679	27.4	7
34	Organ doses and risks of computed tomography examinations in Recife, Brazil. *Journal of Radiological Protection*, **2012**, 32, 251-60	1.2	7
33	Chemical intervention in senescence-accelerated mice metabolism for modeling neurodegenerative diseases: an overview. *International Congress Series*, **2004**, 1260, 109-115		7
32	Role of NAD(+)/NADH redox ratio in cell metabolism: A tribute to Helmut Sies and Theodor Bher and Hans A. Krebs. *Archives of Biochemistry and Biophysics*, **2016**, 595, 176-80	4.1	7

31	Moderate Red Wine Consumption Increases the Expression of Longevity-Associated Genes in Controlled Human Populations and Extends Lifespan in. *Antioxidants*, **2021**, 10,	7.1	7
30	Centenarians Overexpress Pluripotency-Related Genes. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2019**, 74, 1391-1395	6.4	6
29	Importance of stem cell culture conditions for their derived extracellular vesicles therapeutic effect. *Free Radical Biology and Medicine*, **2021**, 168, 16-24	7.8	5
28	Influence of different types of pulp treatment during isolation in the obtention of human dental pulp stem cells. *Medicina Oral, Patologia Oral Y Cirugia Bucal*, **2016**, 21, e374-9	2.6	3
27	Methionine transsulfuration pathway is upregulated in long-lived humans. *Free Radical Biology and Medicine*, **2021**, 162, 38-52	7.8	3
26	Exploring New Kingdoms: The Role of Extracellular Vesicles in Oxi-Inflamm-Aging Related to Cardiorenal Syndrome.. *Antioxidants*, **2021**, 11,	7.1	3
25	Comparison of the interaction of cobalt bovine carbonic anhydrase II with acetazolamide and methazolamide and the reaction of apoenzyme with cobalt(II) complexes of acetazolamide and methazolamide: Spectrophotometric study. *Biochemistry and Molecular Biology Education*, **2003**, 31, 28-33	1.3	2
24	Long-lived humans have a unique plasma sphingolipidome. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**,	6.4	2
23	CENTENARIANS TRANSCRIPTOME IS UNIQUE AND REVEALS A ROLE OF BCL-XL IN SUCCESSFUL AGING. *Innovation in Aging*, **2017**, 1, 859-859	0.1	1
22	Mitochondria and Ageing **2018**, 33-45		1
21	The mechanism of the antioxidant effect of smoked paprika from La Vera, Spain. *CYTA - Journal of Food*, **2013**, 11, 114-118	2.3	1
20	Posibles mecanismos por los que las mujeres viven m□ ue los varones. *Revista Espanola De Geriatria Y Gerontologia*, **2004**, 39, 381-384	1.7	1
19	263 Asphyctic Renal Damage is Increased by The Use of Pure Oxygen Upon Resuscitation. *Pediatric Research*, **2004**, 56, 508-508	3.2	1
18	SU-GG-I-79: Image Quality, Organ Doses and Risks of Computed Tomography Exams in Pernambuco, Brazil. *Medical Physics*, **2010**, 37, 3119-3119	4.4	1
17	Lifelong soya consumption in males does not increase lifespan but increases health span under a metabolic stress such as type 2 diabetes mellitus. *Mechanisms of Ageing and Development*, **2021**, 200, 111596	5.6	1
16	Brain-Derived Neurotrophic Factor as a Marker of Cognitive Frailty. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2017**, 72, 450-451	6.4	1
15	Genistein, a tool for geroscience.. *Mechanisms of Ageing and Development*, **2022**, 204, 111665	5.6	1
14	The Contribution of Extracellular Vesicles From Senescent Endothelial and Vascular Smooth Muscle Cells to Vascular Calcification.. *Frontiers in Cardiovascular Medicine*, **2022**, 9, 854726	5.4	1

13	Efecto antioxidante e hipolipemiante del pimentó ahumado en individuos sanos Antioxidant and hypolipidaemic effect of smoked paprika in healthy subjects. *CYTA - Journal of Food*, **2010**, 8, 151-158	2.3	0
12	Diagnostic Performance of Muscle Echo Intensity and Fractal Dimension for the Detection of Frailty Phenotype. *Ultrasonic Imaging*, **2021**, 43, 337-352	1.9	0
11	Estrogen Replacement Therapy Induces Antioxidant and Longevity-Related Genes in Women after Medically Induced Menopause. *Oxidative Medicine and Cellular Longevity*, **2021**, 2021, 8101615	6.7	0
10	Resveratrol in Experimental Models and Humans **2018**, 1143-1156		
9	Response to Vidal and colleagues. *Journal of the American Geriatrics Society*, **2015**, 63, 838-9	5.6	
8	. *IEEE Latin America Transactions*, **2015**, 13, 876-884	0.7	
7	Biogerontology in Spain: the most significant studies. *Biogerontology*, **2011**, 12, 77-81	4.5	
6	Phytoestrogens Up-regulate Antioxidant Genes239-248		
5	Sex Differences in Mitochondrial Antioxidant Gene Expression **2020**, 267-284		
4	Estrogenic Modulation of Longevity by Induction of Antioxidant Enzymes **2010**, 119-128		
3	Emergency Clinical Trials1		
2	SU-E-I-91: The Role of Diagnostic Reference Levels in the Optimization of Patient Protection. *Medical Physics*, **2013**, 40, 146-146	4.4	
1	Recent Approaches to Determine Static and Dynamic Redox State-Related Parameters. *Antioxidants*, **2022**, 11, 864	7.1	