

Carlo Cervellati

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

114
papers

2,235
citations

23
h-index

42
g-index

132
ext. papers

2,734
ext. citations

4.5
avg, IF

5.07
L-index

#	Paper	IF	Citations
114	Oxygen, reactive oxygen species and tissue damage. <i>Current Pharmaceutical Design</i> , 2004 , 10, 1611-26	3.3	436
113	Cutaneous responses to environmental stressors. <i>Annals of the New York Academy of Sciences</i> , 2012 , 1271, 75-81	6.5	142
112	OxInflammation: From Subclinical Condition to Pathological Biomarker. <i>Frontiers in Physiology</i> , 2018 , 9, 858	4.6	77
111	Oxidative balance, homocysteine, and uric acid levels in older patients with Late Onset Alzheimer's Disease or Vascular Dementia. <i>Journal of the Neurological Sciences</i> , 2014 , 337, 156-61	3.2	66
110	Oxidative stress and bone resorption interplay as a possible trigger for postmenopausal osteoporosis. <i>BioMed Research International</i> , 2014 , 2014, 569563	3	64
109	Bone mass density selectively correlates with serum markers of oxidative damage in post-menopausal women. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013 , 51, 333-8	5.9	59
108	Systemic oxidative stress in older patients with mild cognitive impairment or late onset Alzheimer's disease. <i>Current Alzheimer Research</i> , 2013 , 10, 365-72	3	59
107	Hypoxia induces cell damage via oxidative stress in retinal epithelial cells. <i>Free Radical Research</i> , 2014 , 48, 303-12	4	56
106	Oxidative challenge in Alzheimer's disease: state of knowledge and future needs. <i>Journal of Investigative Medicine</i> , 2016 , 64, 21-32	2.9	51
105	Oxidative damage and the pathogenesis of menopause related disturbances and diseases. <i>Clinical Chemistry and Laboratory Medicine</i> , 2016 , 54, 739-53	5.9	45
104	Oxidative stress, body fat composition, and endocrine status in pre- and postmenopausal women. <i>Menopause</i> , 2008 , 15, 112-8	2.5	41
103	Systemic oxidative stress and conversion to dementia of elderly patients with mild cognitive impairment. <i>BioMed Research International</i> , 2014 , 2014, 309507	3	39
102	Decreased arylesterase activity of paraoxonase-1 (PON-1) might be a common denominator of neuroinflammatory and neurodegenerative diseases. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 81, 356-363	5.6	36
101	OxInflammation in Rett syndrome. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 81, 246-253	5.3	36
100	Targeted lipidomics distinguishes patient subgroups in mild cognitive impairment (MCI) and late onset Alzheimer's disease (LOAD). <i>BBA Clinical</i> , 2016 , 5, 25-8		35
99	Impaired enzymatic defensive activity, mitochondrial dysfunction and proteasome activation are involved in RTT cell oxidative damage. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015 , 1852, 2066-74	6.9	34
98	Serum paraoxonase and arylesterase activities of paraoxonase-1 (PON-1), mild cognitive impairment, and 2-year conversion to dementia: A pilot study. <i>Journal of Neurochemistry</i> , 2015 , 135, 395-401	6	34

97	Keratinocytes oxidative damage mechanisms related to airborne particle matter exposure. <i>Mechanisms of Ageing and Development</i> , 2018 , 172, 86-95	5.6	30
96	Inflammation in Neurological Disorders: The Thin Boundary Between Brain and Periphery. <i>Antioxidants and Redox Signaling</i> , 2020 , 33, 191-210	8.4	27
95	Oxidative stress as a possible pathogenic cofactor of post-menopausal osteoporosis: Existing evidence in support of the axis oestrogen deficiency-redox imbalance-bone loss. <i>Indian Journal of Medical Research</i> , 2018 , 147, 341-351	2.9	26
94	Body mass index is a major determinant of abdominal fat accumulation in pre-, peri- and post-menopausal women. <i>Gynecological Endocrinology</i> , 2009 , 25, 413-7	2.4	25
93	PON-1 and ferroxidase activities in older patients with mild cognitive impairment, late onset Alzheimer's disease or vascular dementia. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015 , 53, 1049-56	5.9	24
92	17 β -estradiol levels and oxidative balance in a population of pre-, peri-, and post-menopausal women. <i>Gynecological Endocrinology</i> , 2011 , 27, 1028-32	2.4	24
91	4-hydroxynonenal protein adducts: Key mediator in Rett syndrome oxinflammation. <i>Free Radical Biology and Medicine</i> , 2017 , 111, 270-280	7.8	23
90	Characterization of cholyglycine hydrolase from a bile-adapted strain of <i>Xanthomonas maltophilia</i> and its application for quantitative hydrolysis of conjugated bile salts. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 3126-8	4.8	23
89	Serum beta-secretase 1 (BACE1) activity as candidate biomarker for late-onset Alzheimer's disease. <i>GeroScience</i> , 2020 , 42, 159-167	8.9	23
88	Resveratrol prevents cigarette smoke-induced keratinocytes damage. <i>Food and Function</i> , 2014 , 5, 2348-56	5.1	21
87	Sugar derivatives as new 6-phosphogluconate dehydrogenase inhibitors selective for the parasite <i>Trypanosoma brucei</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2003 , 11, 1207-14	3.4	20
86	Association between circulatory levels of adipokines and bone mineral density in postmenopausal women. <i>Menopause</i> , 2016 , 23, 984-92	2.5	20
85	Paraoxonase-1 activities in individuals with different HDL circulating levels: Implication in reverse cholesterol transport and early vascular damage. <i>Atherosclerosis</i> , 2019 , 285, 64-70	3.1	19
84	Interaction with heparin protects tissue transglutaminase against inactivation by heating and by proteolysis. <i>Biochimie</i> , 2005 , 87, 551-5	4.6	19
83	Interplay between Matrix Metalloproteinase-9, Matrix Metalloproteinase-2, and Interleukins in Multiple Sclerosis Patients. <i>Disease Markers</i> , 2016 , 2016, 3672353	3.2	19
82	Proteomic analysis of 4-hydroxynonenal and nitrotyrosine modified proteins in RTT fibroblasts. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 81, 236-245	5.6	17
81	Paraoxonase, arylesterase and lactonase activities of paraoxonase-1 (PON1) in obese and severely obese women. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2018 , 78, 18-24	2	17
80	Lactonase Activity and Lipoprotein-Phospholipase A as Possible Novel Serum Biomarkers for the Differential Diagnosis of Autism Spectrum Disorders and Rett Syndrome: Results from a Pilot Study. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 5694058	6.7	16

79	HelixComplex snail mucus as a potential technology against O3 induced skin damage. <i>PLoS ONE</i> , 2020 , 15, e0229613	3.7	15
78	Alterations of mitochondrial bioenergetics, dynamics, and morphology support the theory of oxidative damage involvement in autism spectrum disorder. <i>FASEB Journal</i> , 2020 , 34, 6521-6538	0.9	15
77	6-Phosphogluconate dehydrogenase mechanism: evidence for allosteric modulation by substrate. <i>Journal of Biological Chemistry</i> , 2010 , 285, 21366-71	5.4	15
76	Evaluating the link between Paraoxonase-1 levels and Alzheimer's disease development. <i>Minerva Medica</i> , 2019 , 110, 238-250	2.2	15
75	Distribution of Paraoxonase-1 (PON-1) and Lipoprotein Phospholipase A2 (Lp-PLA2) across Lipoprotein Subclasses in Subjects with Type 2 Diabetes. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 1752940	6.7	15
74	TRAIL, OPG, and TWEAK in kidney disease: biomarkers or therapeutic targets?. <i>Clinical Science</i> , 2019 , 133, 1145-1166	6.5	14
73	Inverse correlation between circulating levels of TNF-related apoptosis-inducing ligand and 17 β -estradiol. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, E659-64	5.6	14
72	Metabolic transitions at menopause: in post-menopausal women the increase in serum uric acid correlates with abdominal adiposity as assessed by DXA. <i>Maturitas</i> , 2013 , 75, 62-6	5	14
71	SRB1 as a new redox target of cigarette smoke in human sebocytes. <i>Free Radical Biology and Medicine</i> , 2017 , 102, 47-56	7.8	14
70	Assessment of Fracture Risk in A Population of Postmenopausal Italian Women: A Comparison of Two Different Tools. <i>Calcified Tissue International</i> , 2015 , 97, 50-7	3.9	13
69	Compromised immune/inflammatory responses in Rett syndrome. <i>Free Radical Biology and Medicine</i> , 2020 , 152, 100-106	7.8	13
68	Changes in protein expression in two cholangiocarcinoma cell lines undergoing formation of multicellular tumor spheroids in vitro. <i>PLoS ONE</i> , 2015 , 10, e0118906	3.7	13
67	Thermodynamics of binding of regulatory ligands to tissue transglutaminase. <i>Amino Acids</i> , 2010 , 39, 297-304	3.9	13
66	Role of methionine-13 in the catalytic mechanism of 6-phosphogluconate dehydrogenase from sheep liver. <i>Biochemistry</i> , 2005 , 44, 2432-40	3.2	13
65	A new corrective model to evaluate TBS in obese post-menopausal women: a cross-sectional study. <i>Aging Clinical and Experimental Research</i> , 2020 , 32, 1303-1308	4.8	13
64	Low-grade systemic inflammation is associated with functional disability in elderly people affected by dementia. <i>GeroScience</i> , 2018 , 40, 61-69	8.9	12
63	Thermodynamic characterization of substrate and inhibitor binding to Trypanosoma brucei 6-phosphogluconate dehydrogenase. <i>FEBS Journal</i> , 2007 , 274, 6426-35	5.7	12
62	Connection between the Altered HDL Antioxidant and Anti-Inflammatory Properties and the Risk to Develop Alzheimer's Disease: A Narrative Review. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 6695796	6.7	12

61	Waist circumference and dual-energy X-ray absorptiometry measures of overall and central obesity are similarly associated with systemic oxidative stress in women. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2014 , 74, 102-7	2	11
60	Dementia and the risk of death in elderly patients with COVID-19 infection: Systematic review and meta-analysis. <i>International Journal of Geriatric Psychiatry</i> , 2021 , 36, 697-703	3.9	11
59	Increased blood BACE1 activity as a potential common pathogenic factor of vascular dementia and late onset Alzheimer's disease. <i>Scientific Reports</i> , 2020 , 10, 14980	4.9	10
58	Higher Urinary Levels of 8-Hydroxy-2-Deoxyguanosine Are Associated with a Worse RANKL/OPG Ratio in Postmenopausal Women with Osteopenia. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 6038798	6.7	10
57	Fracture risk assessment in postmenopausal women with diabetes: comparison between DeFRA and FRAX tools. <i>Gynecological Endocrinology</i> , 2018 , 34, 404-408	2.4	10
56	Conjugation of LasR Quorum-Sensing Inhibitors with Ciprofloxacin Decreases the Antibiotic Tolerance of <i>P. aeruginosa</i> Clinical Strains. <i>Journal of Chemistry</i> , 2019 , 2019, 1-13	2.3	9
55	Arylesterase Activity of Paraoxonase-1 in Serum and Cerebrospinal Fluid of Patients with Alzheimer's Disease and Vascular Dementia. <i>Antioxidants</i> , 2020 , 9,	7.1	9
54	Vaginal Lactoferrin Modulates PGE, MMP-9, MMP-2, and TIMP-1 Amniotic Fluid Concentrations. <i>Mediators of Inflammation</i> , 2016 , 2016, 3648719	4.3	9
53	Serum ferroxidase activity in patients with multiple sclerosis: a pilot study. <i>In Vivo</i> , 2014 , 28, 1197-200	2.3	9
52	13-HODE, 9-HODE and ALOX15 as potential players in Rett syndrome OxInflammation. <i>Free Radical Biology and Medicine</i> , 2019 , 134, 598-603	7.8	8
51	Oxidative stress and menopause-related hot flashes may be independent events. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2015 , 54, 290-3	1.6	8
50	Crosstalk Between Adipokines and Paraoxonase 1: A New Potential Axis Linking Oxidative Stress and Inflammation. <i>Antioxidants</i> , 2019 , 8,	7.1	8
49	Comparative proteomic analysis of ductal breast carcinoma demonstrates an altered expression of chaperonins and cytoskeletal proteins. <i>Molecular Medicine Reports</i> , 2013 , 7, 1700-4	2.9	8
48	Sex difference: an important issue to consider in epidemiological and clinical studies dealing with serum paraoxonase-1. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2019 , 64, 250-256	3.1	7
47	Exploring the link between scavenger receptor B1 expression and chronic obstructive pulmonary disease pathogenesis. <i>Annals of the New York Academy of Sciences</i> , 2015 , 1340, 47-54	6.5	7
46	HDL Proteome and Alzheimer's Disease: Evidence of a Link. <i>Antioxidants</i> , 2020 , 9,	7.1	7
45	Development, optimization and validation of an absolute specific assay for active myeloperoxidase (MPO) and its application in a clinical context: role of MPO specific activity in coronary artery disease. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020 , 58, 1749-1758	5.9	7
44	Tropospheric ozone affects SRB1 levels via oxidative post-translational modifications in lung cells. <i>Free Radical Biology and Medicine</i> , 2018 , 126, 287-295	7.8	7

43	Proteomic profiling reveals mitochondrial alterations in Rett syndrome. <i>Free Radical Biology and Medicine</i> , 2020 , 155, 37-48	7.8	7
42	Clinical and demographic parameters predict the progression from mild cognitive impairment to dementia in elderly patients. <i>Aging Clinical and Experimental Research</i> , 2021 , 33, 1895-1902	4.8	7
41	Low Circulating TRAIL Levels Are Associated with Increase of Resistin and Lipocalin-2/ngal Adipokines in Postmenopausal Women. <i>Mediators of Inflammation</i> , 2017 , 2017, 5356020	4.3	6
40	Dyslipidaemia and mortality in COVID-19 patients: a meta-analysis. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2021 , 114, 390-397	2.7	6
39	Association between Serum Concentrations of Apolipoprotein A-I (ApoA-I) and Alzheimer's Disease: Systematic Review and Meta-Analysis. <i>Diagnostics</i> , 2021 , 11,	3.8	6
38	Metabolic syndrome and the risk of late onset Alzheimer's disease: An updated review and meta-analysis. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021 , 31, 2244-2252	4.5	6
37	TRAIL and Ceruloplasmin Inverse Correlation as a Representative Crosstalk between Inflammation and Oxidative Stress. <i>Mediators of Inflammation</i> , 2018 , 2018, 9629537	4.3	6
36	Accumulation of central fat correlates with an adverse oxidative balance in non-obese postmenopausal women. <i>Gynecological Endocrinology</i> , 2013 , 29, 1063-6	2.4	5
35	Proper orientation of the nicotinamide ring of NADP is important for the precatalytic conformational change in the 6-phosphogluconate dehydrogenase reaction. <i>Biochemistry</i> , 2008 , 47, 1862-70	3.2	5
34	Vaginal Lactoferrin Administration Decreases Oxidative Stress in the Amniotic Fluid of Pregnant Women: An Open-Label Randomized Pilot Study. <i>Frontiers in Medicine</i> , 2020 , 7, 555	4.9	5
33	Risk of dementia in patients with atrial fibrillation: Short versus long follow-up. A systematic review and meta-analysis. <i>International Journal of Geriatric Psychiatry</i> , 2021 , 36, 1488-1500	3.9	5
32	Changes in Adipose Tissue Distribution and Association between Uric Acid and Bone Health during Menopause Transition. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
31	Testing a Combination of Markers of Systemic Redox Status as a Possible Tool for the Diagnosis of Late Onset Alzheimer's Disease. <i>Disease Markers</i> , 2018 , 2018, 2576026	3.2	5
30	Evaluation of total, ceruloplasmin-associated and type II ferroxidase activities in serum and cerebrospinal fluid of multiple sclerosis patients. <i>Journal of the Neurological Sciences</i> , 2017 , 377, 133-136	2.2	4
29	Serum levels of hydroperoxides and multimorbidity among older patients with mild cognitive impairment or late-onset Alzheimer's disease. <i>Aging Clinical and Experimental Research</i> , 2015 , 27, 799-804	4.8	4
28	Impaired mitochondrial quality control in Rett Syndrome. <i>Archives of Biochemistry and Biophysics</i> , 2021 , 700, 108790	4.1	4
27	BACE1 role in Alzheimer's disease and other dementias: from the theory to the practice. <i>Neural Regeneration Research</i> , 2021 , 16, 2407-2408	4.5	4
26	VDR, RANKL and OPG polymorphisms as possible predisposing cofactors of postmenopausal osteoporosis: explorative study in Italian population. <i>Gynecological Endocrinology</i> , 2017 , 33, 937-941	2.4	3

25	Effects of the regulatory ligands calcium and GTP on the thermal stability of tissue transglutaminase. <i>Amino Acids</i> , 2012 , 42, 2233-42	3.5	3
24	Sex Difference Impacts on the Relationship between Paraoxonase-1 (PON1) and Type 2 Diabetes. <i>Antioxidants</i> , 2020 , 9,	7.1	3
23	Methylenetetrahydrofolate reductase C667T polymorphism and susceptibility to late-onset Alzheimer's disease in the Italian population. <i>Minerva Medica</i> , 2021 , 112, 365-371	2.2	3
22	Hydroxyethyl Starch 130/0.4 Binds to Neutrophils Impairing Their Chemotaxis through a Mac-1 Dependent Interaction. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	3
21	Viral Load Difference between Symptomatic and Asymptomatic COVID-19 Patients: Systematic Review and Meta-Analysis. <i>Infectious Disease Reports</i> , 2021 , 13, 645-653	0.6	3
20	Involvement of non-coding RNAs and transcription factors in the induction of Transglutaminase isoforms by ATRA. <i>Amino Acids</i> , 2019 , 51, 1273-1288	3.5	2
19	Unfolding studies of tissue transglutaminase. <i>Amino Acids</i> , 2009 , 36, 633-41	3.5	2
18	Fast skeletal troponin I, but not the slow isoform, is increased in patients under statin therapy: a pilot study. <i>Biochimica Medica</i> , 2019 , 29, 010703	2.5	2
17	Prognostic Role of Metabolic Syndrome in COVID-19 Patients: A Systematic Review Meta-Analysis. <i>Viruses</i> , 2021 , 13,	6.2	2
16	Serum beta-secretase 1 (BACE1) activity increases in patients with mild cognitive impairment. <i>Journal of Neurochemistry</i> , 2021 , 159, 629-637	6	2
15	Association of serum tumor necrosis factor-related apoptosis inducing ligand with body fat distribution as assessed by dual X-rays absorptiometry. <i>Mediators of Inflammation</i> , 2014 , 2014, 306848	4.3	1
14	Energy cost for the proper ionization of active site residues in 6-phosphogluconate dehydrogenase from <i>T. brucei</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014 , 1844, 785-92	4	1
13	BACE1: from biomarker to Alzheimer's disease therapeutical target. <i>Aging</i> , 2021 , 13, 12299-12300	5.6	1
12	Altered Bone Status in Rett Syndrome. <i>Life</i> , 2021 , 11,	3	1
11	Mutual relationship between serum ferroxidase activity and hemoglobin levels in elderly individuals. <i>Annals of Hematology</i> , 2016 , 95, 1333-9	3	1
10	Proteomic analysis identifies deregulated metabolic and oxidative-associated proteins in Italian intrahepatic cholangiocarcinoma patients. <i>BMC Cancer</i> , 2021 , 21, 865	4.8	1
9	Serum Apo J as a potential marker of conversion from mild cognitive impairment to dementia. <i>Journal of the Neurological Sciences</i> , 2021 , 427, 117537	3.2	1
8	Fermentation of Berries with Reduces Oxidative Stress in Endothelial Cells and Modulates Macrophages Function.. <i>Nutrients</i> , 2022 , 14,	6.7	1

7	The side chain of glutamine 13 is the acyl-donor amino acid modified by type 2 transglutaminase in subunit T of the native rabbit skeletal muscle troponin complex. <i>Amino Acids</i> , 2013 , 44, 227-34	3.5	○
6	Dysregulation of Transglutaminase type 2 through GATA3 defines aggressiveness and Doxorubicin sensitivity in breast cancer.. <i>International Journal of Biological Sciences</i> , 2022 , 18, 1-14	11.2	○
5	Dementia and in-hospital mortality: retrospective analysis of a nationwide administrative database of elderly subjects in Italy. <i>Aging Clinical and Experimental Research</i> , 2021 , 1	4.8	○
4	Early elevation of BACE1 in dementia. <i>Aging</i> , 2021 , 13, 24480-24481	5.6	○
3	Paraoxonase-1 (PON-1) Arylesterase Activity Levels in Patients with Coronary Artery Disease: A Meta-Analysis.. <i>Disease Markers</i> , 2022 , 2022, 4264314	3.2	○
2	P3-087: Late-onset Alzheimer disease and vascular dementia are precociously associated with a derangement in systemic oxidative balance 2015 , 11, P652-P653		
1	Reduction of venous thromboembolic events in COVID-19 patients: Which role for IL-6 antagonists?. <i>Thrombosis Research</i> , 2021 , 208, 170-172	8.2	