

# Carlo M Bergamini

## List of Publications by Year in descending order

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56  
papers

2,743  
citations

304602

22  
h-index

175177

52  
g-index

57  
all docs

57  
docs citations

57  
times ranked

3394  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transglutaminases: Nature's biological glues. <i>Biochemical Journal</i> , 2002, 368, 377-396.	1.7	955
2	Oxygen, Reactive Oxygen Species and Tissue Damage. <i>Current Pharmaceutical Design</i> , 2004, 10, 1611-1626.	0.9	517
3	The structural basis for the regulation of tissue transglutaminase by calcium ions. <i>FEBS Journal</i> , 1999, 262, 672-679.	0.2	103
4	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, 156-161.	0.3	82
5	Bone mass density selectively correlates with serum markers of oxidative damage in post-menopausal women. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013, 51, 333-338.	1.4	76
6	GTP modulates calcium binding and cation-induced conformational changes in erythrocyte transglutaminase. <i>FEBS Letters</i> , 1988, 239, 255-258.	1.3	71
7	Systemic Oxidative Stress in Older Patients with Mild Cognitive Impairment or Late Onset Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2013, 10, 365-372.	0.7	66
8	Oxidative damage and the pathogenesis of menopause related disturbances and diseases. <i>Clinical Chemistry and Laboratory Medicine</i> , 2016, 54, 739-53.	1.4	64
9	Ligand-Induced Conformational Changes in Tissue Transglutaminase: Monte Carlo Analysis of Small-Angle Scattering Data. <i>Biophysical Journal</i> , 2000, 78, 3240-3251.	0.2	52
10	Systemic Oxidative Stress and Conversion to Dementia of Elderly Patients with Mild Cognitive Impairment. <i>BioMed Research International</i> , 2014, 2014, 1-7.	0.9	49
11	Cardiomyocyte Troponin T Immunoreactivity Is Modified by Cross-linking Resulting From Intracellular Calcium Overload. <i>Circulation</i> , 1996, 93, 1896-1904.	1.6	49
12	Oxidative stress, body fat composition, and endocrine status in pre- and postmenopausal women. <i>Menopause</i> , 2008, 15, 112-118.	0.8	47
13	Inhibition of erythrocyte transglutaminase by GTP. <i>BBA - Proteins and Proteomics</i> , 1987, 916, 149-151.	2.1	45
14	An overview of the first 50 years of transglutaminase research. <i>Amino Acids</i> , 2009, 36, 591-598.	1.2	38
15	Human Erythrocyte Transglutaminase: Purification and Preliminary Characterisation. <i>Biological Chemistry Hoppe-Seyler</i> , 1988, 369, 275-282.	1.4	33
16	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, 3126-3128.	1.4	33
17	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.	1.4	28
18	17 $\beta$ -estradiol levels and oxidative balance in a population of pre-, peri-, and post-menopausal women. <i>Gynecological Endocrinology</i> , 2011, 27, 1028-1032.	0.7	26

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19	Body mass index is a major determinant of abdominal fat accumulation in pre-, peri- and post-menopausal women. <i>Gynecological Endocrinology</i> , 2009, 25, 413-417.	0.7	25
20	Transglutaminase 2, a double face enzyme. <i>Amino Acids</i> , 2017, 49, 415-423.	1.2	25
21	Management of the Menopausal Disturbances and Oxidative Stress. <i>Current Pharmaceutical Design</i> , 2005, 11, 2063-2073.	0.9	24
22	Structure and Regulation of Type 2 Transglutaminase in Relation to its Physiological Functions and Pathological Roles. <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , 2011, 78, 1-46.	1.3	24
23	Transglutaminase and Vascular Biology: Physiopathologic Implications and Perspectives for Therapeutic Interventions. <i>Current Medicinal Chemistry</i> , 2005, 12, 2357-2372.	1.2	21
24	Properties of diacetyl (acetoin) reductase from <i>Bacillus stearothermophilus</i> . <i>Bioorganic and Medicinal Chemistry</i> , 1996, 4, 1197-1201.	1.4	20
25	Interaction with heparin protects tissue transglutaminase against inactivation by heating and by proteolysis. <i>Biochimie</i> , 2005, 87, 551-555.	1.3	20
26	Spotlight on the transglutaminase 2 gene: a focus on genomic and transcriptional aspects. <i>Biochemical Journal</i> , 2018, 475, 1643-1667.	1.7	20
27	Conformational stability of human erythrocyte transglutaminase. Patterns of thermal unfolding at acid and alkaline pH. <i>FEBS Journal</i> , 1999, 266, 575-582.	0.2	18
28	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, 62-66.	1.0	17
29	Structural investigation of transglutaminase by Fourier transform infrared spectroscopy. <i>FEBS Journal</i> , 1993, 218, 499-505.	0.2	16
30	Thermodynamics of binding of regulatory ligands to tissue transglutaminase. <i>Amino Acids</i> , 2010, 39, 297-304.	1.2	16
31	Changes in Protein Expression in Two Cholangiocarcinoma Cell Lines Undergoing Formation of Multicellular Tumor Spheroids In Vitro. <i>PLoS ONE</i> , 2015, 10, e0118906.	1.1	16
32	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, 1-8.	1.9	14
33	Role of Methionine-13 in the Catalytic Mechanism of 6-Phosphogluconate Dehydrogenase from Sheep Liver. <i>Biochemistry</i> , 2005, 44, 2432-2440.	1.2	13
34	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, 102-107.	0.6	11
35	Oxidative stress and menopause-related hot flashes may be independent events. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2015, 54, 290-293.	0.5	10
36	Comparative proteomic analysis of ductal breast carcinoma demonstrates an altered expression of chaperonins and cytoskeletal proteins. <i>Molecular Medicine Reports</i> , 2013, 7, 1700-1704.	1.1	9

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37	ROS and kidney disease in the evolution from acute phase to chronic end stage disease: A commentary on "Oxidative signaling in renal epithelium: Critical role of cPLA2 and p38SAP". Free Radical Biology and Medicine, 2006, 41, 190-192.	1.3	8
38	Testing a Combination of Markers of Systemic Redox Status as a Possible Tool for the Diagnosis of Late Onset Alzheimer's Disease. Disease Markers, 2018, 2018, 1-9.	0.6	8
39	The Motility and Mesenchymal Features of Breast Cancer Cells Correlate with the Levels and Intracellular Localization of Transglutaminase Type 2. Cells, 2021, 10, 3059.	1.8	8
40	Properties of Particulate Transglutaminase from Yoshida Tumor Cells. Biological Chemistry Hoppe-Seyler, 1996, 377, 167-174.	1.4	7
41	Accumulation of central fat correlates with an adverse oxidative balance in non-obese postmenopausal women. Gynecological Endocrinology, 2013, 29, 1063-1066.	0.7	7
42	A long non-coding RNA inside the type 2 transglutaminase gene tightly correlates with the expression of its transcriptional variants. Amino Acids, 2018, 50, 421-438.	1.2	7
43	Involvement of non-coding RNAs and transcription factors in the induction of Transglutaminase isoforms by ATRA. Amino Acids, 2019, 51, 1273-1288.	1.2	7
44	Dysregulation of Transglutaminase type 2 through GATA3 defines aggressiveness and Doxorubicin sensitivity in breast cancer. International Journal of Biological Sciences, 2022, 18, 1-14.	2.6	6
45	Non-michaelian kinetics of rabbit muscle uridine diphosphoglucose pyrophosphorylase. Archives of Biochemistry and Biophysics, 1983, 227, 397-405.	1.4	5
46	Serum levels of hydroperoxides and multimorbidity among older patients with mild cognitive impairment or late-onset Alzheimer's disease. Aging Clinical and Experimental Research, 2015, 27, 799-804.	1.4	5
47	Inhibition of activity and quenching of intrinsic fluorescence of transglutaminase by acrylamide are independent events. BBA - Proteins and Proteomics, 1988, 957, 168-171.	2.1	4
48	Exploring the catalytic mechanism of skeletal muscle udp-glucose pyrophosphorylase: Identification of a hyperreactive cysteine at the enzyme active site. International Journal of Biochemistry & Cell Biology, 1991, 23, 123-127.	0.8	4
49	Effects of the regulatory ligands calcium and GTP on the thermal stability of tissue transglutaminase. Amino Acids, 2012, 42, 2233-2242.	1.2	3
50	Vanadate promotes photooxidative cleavage and inactivation of muscle phosphofructokinase. Biochemical and Biophysical Research Communications, 1990, 172, 919-924.	1.0	2
51	Unfolding studies of tissue transglutaminase. Amino Acids, 2009, 36, 633-641.	1.2	2
52	Are cysteines present at the active site of glycogen phosphorylase?. Biochemical and Biophysical Research Communications, 1985, 132, 1066-1070.	1.0	1
53	Sensitivity of transglutaminase in rat tissues to administration of acrylamide in vivo. Archives of Toxicology, 1990, 64, 509-510.	1.9	1
54	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. Amino Acids, 2013, 44, 227-234.	1.2	1

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55	Inhibition of the lncRNA Coded within Transglutaminase 2 Gene Impacts Several Relevant Networks in MCF-7 Breast Cancer Cells. <i>Non-coding RNA</i> , 2021, 7, 49.	1.3	1
56	Inactivation of Placental Factor XIIIa by Acrylamide. <i>Biological Chemistry Hoppe-Seyler</i> , 1992, 373, 21-26.	1.4	0