

# Vittorio Gentile

## List of Publications by Year in Descending Order

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**Version:** 2024-04-24

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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.

50  
papers

1,376  
citations

17  
h-index

36  
g-index

51  
ext. papers

1,423  
ext. citations

4.8  
avg, IF

3.4  
L-index

#	Paper	IF	Citations
50	Neuronutraceuticals Modulate Lipopolysaccharide- or Amyloid- $\beta$ -42 Peptide-Induced Transglutaminase 2 Overexpression as a Marker of Neuroinflammation in Mouse Microglial Cells. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 5718	2.6	0
49	Transglutaminase inhibition: possible therapeutic mechanisms to protect cells from death in neurological disorders. <i>AIMS Molecular Science</i> , <b>2017</b> , 4, 399-414	0.9	1
48	Transglutaminase inhibition: possible therapeutic mechanisms to protect cells from death in neurological disorders <b>2017</b> , 1, 026-038		
47	Curcumin (Diferuloylmethane) Reduces Transglutaminase 2 Overexpression Induced by Retinoic Acid in Human Nervous Cell Lines. <i>NeuroImmunoModulation</i> , <b>2016</b> , 23, 188-193	2.5	4
46	Possible roles of transglutaminases in molecular mechanisms responsible for human neurodegenerative diseases. <i>AIMS Biophysics</i> , <b>2016</b> , 3, 529-545	0.8	3
45	Possible pathophysiological roles of transglutaminase-catalyzed reactions in the pathogenesis of human neurodegenerative diseases. <i>AIMS Biophysics</i> , <b>2015</b> , 2, 441-457	0.8	
44	Possible physiopathological roles of the transglutaminase activity in the etiopathogenesis of human neurodegenerative diseases. <i>Recent Patents on CNS Drug Discovery</i> , <b>2014</b> , 9, 101-9		3
43	Possible physiopathological effects of the transglutaminase activity on the molecular mechanisms responsible for human neurodegenerative diseases. <i>Recent Patents on CNS Drug Discovery</i> , <b>2014</b> , 9, 76-84		6
42	Possible involvement of transglutaminase-catalyzed reactions in the physiopathology of neurodegenerative diseases. <i>Amino Acids</i> , <b>2013</b> , 44, 111-8	3.5	4
41	Transglutaminase activity as a possible therapeutical target in neurodegenerative diseases. <i>Recent Patents on CNS Drug Discovery</i> , <b>2013</b> , 8, 235-42		1
40	Transglutaminase inhibition as a possible therapeutical approach to protect cells from death in neurodegenerative diseases. <i>Recent Patents on CNS Drug Discovery</i> , <b>2013</b> , 8, 161-8		8
39	Pathophysiological roles of transglutaminase - catalyzed reactions in the pathogenesis of human diseases. <i>Inflammation and Allergy: Drug Targets</i> , <b>2012</b> , 11, 278-84		1
38	Transglutaminase inhibition: A therapy to protect cells from death in neurodegeneration?. <i>World Journal of Biological Chemistry</i> , <b>2012</b> , 3, 184-6	3.8	1
37	Possible role of the transglutaminases in the pathogenesis of Alzheimer's disease and other neurodegenerative diseases. <i>International Journal of Alzheimer's Disease</i> , <b>2011</b> , 2011, 865432	3.7	17
36	Physiopathological roles of human transglutaminase 2. <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , <b>2011</b> , 78, 47-95		2
35	Transglutaminases as possible therapeutic targets in neurodegenerative diseases. <i>Recent Patents on CNS Drug Discovery</i> , <b>2010</b> , 5, 195-202		2
34	Physio-pathological roles of transglutaminase-catalyzed reactions. <i>World Journal of Biological Chemistry</i> , <b>2010</b> , 1, 181-7	3.8	13

33	Role of the transglutaminase enzymes in the nervous system and their possible involvement in neurodegenerative diseases. <i>Current Medicinal Chemistry</i> , <b>2009</b> , 16, 4767-73	4.3	14
32	Role of transglutaminase-catalyzed reactions in the post-translational modifications of proteins responsible for immunological disorders. <i>Inflammation and Allergy: Drug Targets</i> , <b>2008</b> , 7, 24-9		4
31	Transglutaminase-catalyzed post-translational modifications of proteins in the nervous system and their possible involvement in neurodegenerative diseases. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2008</b> , 7, 370-5	2.6	6
30	Transglutaminase-catalyzed reactions responsible for the pathogenesis of celiac disease and neurodegenerative diseases: from basic biochemistry to clinic. <i>Current Medicinal Chemistry</i> , <b>2006</b> , 13, 1895-902	4.3	7
29	Molecular mechanisms responsible for the involvement of tissue transglutaminase in human diseases: Celiac Disease. <i>Frontiers in Bioscience - Landmark</i> , <b>2006</b> , 11, 249-55	2.8	5
28	Biochemical mechanisms for a possible involvement of the transglutaminase activity in the pathogenesis of the polyglutamine diseases: minireview article. <i>Amino Acids</i> , <b>2004</b> , 26, 431-4	3.5	3
27	Transglutaminases - possible drug targets in human diseases. <i>CNS and Neurological Disorders</i> , <b>2004</b> , 3, 99-104		29
26	Abnormal accumulation of tTGase products in muscle and erythrocytes of chorea-acanthocytosis patients. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2002</b> , 61, 841-8	3.1	14
25	Cross linking of polyglutamine domains catalyzed by tissue transglutaminase is greatly favored with pathological-length repeats: does transglutaminase activity play a role in (CAG)(n)/Q(n)-expansion diseases?. <i>Neurochemistry International</i> , <b>2002</b> , 40, 53-67	4.4	65
24	Tissue transglutaminase and coeliac disease pathogenesis: potential molecular mechanisms for other human diseases. <i>Neurochemistry International</i> , <b>2002</b> , 40, 79-83	4.4	7
23	Transglutaminase-dependent formation of protein aggregates as possible biochemical mechanism for polyglutamine diseases. <i>Brain Research Bulletin</i> , <b>2001</b> , 56, 169-72	3.9	17
22	Pathogenesis of inclusion bodies in (CAG)n/Qn-expansion diseases with special reference to the role of tissue transglutaminase and to selective vulnerability. <i>Journal of Neurochemistry</i> , <b>1999</b> , 72, 889-996		55
21	Changes in tissue transglutaminase activity and expression during retinoic acid-induced growth arrest and apoptosis in primary cultures of human epithelial prostate cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1999</b> , 84, 1463-9	5.6	27
20	Tissue transglutaminase expression in quail epiphyseal chondrocytes. <i>Cell Biology International</i> , <b>1999</b> , 23, 41-9	4.5	1
19	Tissue transglutaminase expression affects hypusine metabolism in BALB/c 3T3 cells. <i>FEBS Letters</i> , <b>1998</b> , 437, 34-8	3.8	14
18	Tissue transglutaminase-catalyzed formation of high-molecular-weight aggregates in vitro is favored with long polyglutamine domains: a possible mechanism contributing to CAG-triplet diseases. <i>Archives of Biochemistry and Biophysics</i> , <b>1998</b> , 352, 314-21	4.1	100
17	tTGase/G alpha h protein expression inhibits adenylate cyclase activity in Balb-C 3T3 fibroblasts membranes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1997</b> , 1357, 115-22	4.9	23
16	Lack of `tissue` transglutaminase protein cross-linking leads to leakage of macromolecules from dying cells: relationship to development of autoimmunity in MRLlpr/lpr mice. <i>Cell Death and Differentiation</i> , <b>1997</b> , 4, 463-72	12.7	73

15	Cell-biomaterial interactions: role of transglutaminase enzyme. <i>Journal of Materials Science: Materials in Medicine</i> , <b>1996</b> , 7, 707-711	4.5	2
14	Isolation and characterization of the human tissue transglutaminase gene promoter. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 9748-56	5.4	69
13	Localization of the human prostate transglutaminase (type IV) gene (TGM4) to chromosome 3p21.33-p22 by fluorescence in situ hybridization. <i>Genomics</i> , <b>1995</b> , 27, 219-20	4.3	26
12	The importance of the GTP-binding protein tissue transglutaminase in the regulation of cell cycle progression. <i>FEBS Letters</i> , <b>1995</b> , 370, 27-31	3.8	67
11	The human tissue transglutaminase gene maps on chromosome 20q12 by in situ fluorescence hybridization. <i>Genomics</i> , <b>1994</b> , 20, 295-7	4.3	40
10	Tissue transglutaminase and apoptosis: sense and antisense transfection studies with human neuroblastoma cells. <i>Molecular and Cellular Biology</i> , <b>1994</b> , 14, 6584-96	4.8	253
9	Transglutaminase covalently incorporates amines into human immunodeficiency virus envelope glycoprotein gp120 in vitro. <i>International Journal of Peptide and Protein Research</i> , <b>1993</b> , 42, 204-6		7
8	Expression of tissue transglutaminase in Balb-C 3T3 fibroblasts: effects on cellular morphology and adhesion. <i>Journal of Cell Biology</i> , <b>1992</b> , 119, 463-74	7.3	212
7	Transglutaminase-catalyzed modifications of SV-IV, a major protein secreted from the rat seminal vesicle epithelium. <i>International Journal of Peptide and Protein Research</i> , <b>1990</b> , 35, 117-22		27
6	Amines protect in vitro the celiac small intestine from the damaging activity of gliadin peptides. <i>Gastroenterology</i> , <b>1990</b> , 99, 1668-74	13.3	24
5	Cereal dietary proteins with sites for cross-linking by transglutaminase. <i>Phytochemistry</i> , <b>1990</b> , 29, 2801-2804		32
4	Spermine binding to subsynaptosomal fractions of rat brain cortex. <i>Neurochemical Research</i> , <b>1988</b> , 13, 369-76	4.6	
3	B-lipotropin 61-76 and 61-91 fragments act as transglutaminase substrates in vitro. <i>Neuropeptides</i> , <b>1988</b> , 11, 89-92	3.3	8
2	Transglutaminase-mediated modifications of the rat sperm surface in vitro. <i>Science</i> , <b>1984</b> , 226, 852-5	33.3	68
1	Cerebral polyamine metabolism: inhibition of spermidine biosynthesis by dicyclohexylamine. <i>Journal of Neurochemistry</i> , <b>1984</b> , 42, 321-5	6	11