Daniel P Aeschlimann

List of Publications by Year
in descending order

54 papers	4,536 citations	136740 32 h-index	174990 52 g-index
56 all docs	56 docs citations	56 times ranked	4372 citing authors

#	Article	IF	Citations
1	New strategy for chemical modification of hyaluronic acid: Preparation of functionalized derivatives and their use in the formation of novel biocompatible hydrogels. , 1999, 47, 152-169.		476
2	Transglutaminases: Protein Cross-Linking Enzymes in Tissues and Body Fluids. Thrombosis and Haemostasis, 1994, 71, 402-415.	1.8	433
3	Gluten sensitivity: from gut to brain. Lancet Neurology, The, 2010, 9, 318-330.	4.9	330
4	Protein Crosslinking in Assembly and Remodelling of Extracellular Matrices: The Role of Transglutaminases. Connective Tissue Research, 2000, 41, 1-27.	1.1	303
5	Transglutaminase 2-/- mice reveal a phagocytosis-associated crosstalk between macrophages and apoptotic cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7812-7817.	3.3	249
6	Autoantibodies in gluten ataxia recognize a novel neuronal transglutaminase. Annals of Neurology, 2008, 64, 332-343.	2.8	217
7	Evolution of Transglutaminase Genes: Identification of a Transglutaminase Gene Cluster on Human Chromosome 15q15. Journal of Biological Chemistry, 2001, 276, 33066-33078.	1.6	172
8	Consensus Paper: Neuroimmune Mechanisms of Cerebellar Ataxias. Cerebellum, 2016, 15, 213-232.	1.4	142
9	Crosslinking and G-protein functions of transglutaminase 2 contribute differentially to fibroblast wound healing responses. Journal of Cell Science, 2004, 117, 3389-3403.	1.2	131
10	Transglutaminase 2 Is Needed for the Formation of an Efficient Phagocyte Portal in Macrophages Engulfing Apoptotic Cells. Journal of Immunology, 2009, 182, 2084-2092.	0.4	130
11	Cell Surface Localization of Tissue Transglutaminase Is Dependent on a Fibronectin-binding Site in Its N-terminal Î²-Sandwich Domain. Journal of Biological Chemistry, 1999, 274, 30707-30714.	1.6	125
12	Transglutaminase 6 antibodies in the diagnosis of gluten ataxia. Neurology, 2013, 80, 1740-1745.	1.5	124
13	ILâ€23 promotes osteoclast formation by upâ€regulation of receptor activator of NFâ€ºB (RANK) expression in myeloid precursor cells. European Journal of Immunology, 2008, 38, 2845-2854.	1.6	123
14	Transglutaminase-catalyzed crosslinking of fibrils of collagen V/XI in A204 rhabdomyosarcoma cells. Biochemistry, 1995, 34, 13768-13775.	1.2	106
15	Tissue Transglutaminase and Factor XIII in Cartilage and Bone Remodeling. Seminars in Thrombosis and Hemostasis, 1996, 22, 437-443.	1.5	98
16	Decorin Regulates Endothelial Cell Motility on Collagen I through Activation of Insulin-like Growth Factor I Receptor and Modulation of Î±2Î²1 Integrin Activity. Journal of Biological Chemistry, 2008, 283, 17406-17415.	1.6	93
17	Anti Transglutaminase Antibodies Cause Ataxia in Mice. PLoS ONE, 2010, 5, e9698.	1.1	93
18	Neurological Dysfunction in Coeliac Disease and Non-Coeliac Gluten Sensitivity. American Journal of Gastroenterology, 2016, 111, 561-567.	0.2	88

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19	Isolation of a cDNA Encoding a Novel Member of the Transglutaminase Gene Family from Human Keratinocytes. Journal of Biological Chemistry, 1998, 273, 3452-3460.	1.6	80
20	Transglutaminase 6: a protein associated with central nervous system development and motor function. Amino Acids, 2013, 44, 161-177.	1.2	79
21	Gluten T cell epitope targeting by TG3 and TG6; implications for dermatitis herpetiformis and gluten ataxia. Amino Acids, 2010, 39, 1183-1191.	1.2	76
22	Decorin GAG Synthesis and TGF-Î² Signaling Mediate Ox-LDLâ€“Induced Mineralization of Human Vascular Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 608-615.	1.1	73
23	Two Adjacent N-terminal Glutamines of BM-40 (Osteonectin, SPARC) Act as Amine Acceptor Sites in TransglutaminaseC-catalyzed Modification. Journal of Biological Chemistry, 1995, 270, 23415-23420.	1.6	52
24	In Vitro and Rapid In Situ Transglutaminase Assays for Congenital Ichthyoses â€“ A Comparative Study. Journal of Investigative Dermatology, 1998, 110, 268-271.	0.3	52
25	Restricted localization of thrombospondin-2 protein during mouse embryogenesis: A comparison to thrombospondin-1. Matrix Biology, 1998, 17, 131-143.	1.5	51
26	Myoclonus ataxia and refractory coeliac disease. Cerebellum and Ataxias, 2014, 1, 11.	1.9	51
27	Protein Cross-linking Mediated by Tissue Transglutaminase Correlates with the Maturation of Extracellular Matrices During Lung Development. American Journal of Respiratory Cell and Molecular Biology, 1997, 17, 334-343.	1.4	46
28	New Serology Assays Can Detect Gluten Sensitivity among Enteropathy Patients Seronegative for Antiâ€“Tissue Transglutaminase. Clinical Chemistry, 2010, 56, 661-665.	1.5	45
29	Neurologic Deficits in Patients With Newly Diagnosed Celiac Disease Are Frequent and Linked With Autoimmunity to Transglutaminase 6. Clinical Gastroenterology and Hepatology, 2019, 17, 2678-2686.e2.	2.4	41
30	Transglutaminase 6 antibodies in gluten neuropathy. Digestive and Liver Disease, 2017, 49, 1196-1200.	0.4	38
31	A constitutive model for the periodontal ligament as a compressible transversely isotropic visco-hyperelastic tissue. Computer Methods in Biomechanics and Biomedical Engineering, 2007, 10, 223-235.	0.9	37
32	Mutations in TGM6 induce the unfolded protein response in SCA35. Human Molecular Genetics, 2017, 26, 3749-3762.	1.4	36
33	Analysis of changes in mRNA levels of myoblast- and fibroblast-derived gene products in healing skeletal muscle using quantitative reverse transcription-polymerase chain reaction. Journal of Orthopaedic Research, 2001, 19, 565-572.	1.2	35
34	P2X7 receptor activation regulates rapid unconventional export of transglutaminase-2. Journal of Cell Science, 2015, 128, 4615-28.	1.2	34
35	Alcohol-related cerebellar degeneration: not all down to toxicity?. Cerebellum and Ataxias, 2016, 3, 17.	1.9	29
36	The kidney as a novel target tissue for protein adduct formation associated with metabolism of halothane and the candidate chlorofluorocarbon replacement 2,2-dichloro-1,1,1-trifluoroethane. FEBS Journal, 1992, 207, 229-238.	0.2	28

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37	Coeliac disease, epilepsy, and cerebral calcifications: association with TG6 autoantibodies. Developmental Medicine and Child Neurology, 2013, 55, 90-93.	1.1	28
38	TNFÎ± and TGF-Î²1 influence IL-18-induced IFNÎ³ production through regulation of IL-18 receptor and T-bet expression. Cytokine, 2010, 49, 177-184.	1.4	26
39	The Intrinsic Factor-Vitamin B12 Receptor, Cubilin, Is Assembled into Trimers via a Coiled-coil Î±-Helix. Journal of Biological Chemistry, 1999, 274, 6374-6380.	1.6	25
40	Features of ZED1227: The First-In-Class Tissue Transglutaminase Inhibitor Undergoing Clinical Evaluation for the Treatment of Celiac Disease. Cells, 2022, 11, 1667.	1.8	19
41	Deletion of the membrane complement inhibitor CD59a drives age and gender-dependent alterations to bone phenotype in mice. Bone, 2016, 84, 253-261.	1.4	18
42	Expression and initial characterization of recombinant mouse thrombospondin 1 and thrombospondin 3. FEBS Letters, 1996, 387, 36-41.	1.3	15
43	Phenytoin-related ataxia in patients with epilepsy: clinical and radiological characteristics. Seizure: the Journal of the British Epilepsy Association, 2018, 56, 26-30.	0.9	15
44	Characterization of the Mouse Matrilin-4 Gene: A 5â€² Antiparallel Overlap with the Gene Encoding the Transcription Factor RBP-L. Genomics, 2001, 76, 89-98.	1.3	14
45	Antiâ€transglutaminase 6 Antibody Development in Children With Celiac Disease Correlates With Duration of Gluten Exposure. Journal of Pediatric Gastroenterology and Nutrition, 2018, 66, 64-68.	0.9	13
46	New strategy for chemical modification of hyaluronic acid: Preparation of functionalized derivatives and their use in the formation of novel biocompatible hydrogels. Journal of Biomedical Materials Research Part B, 1999, 47, 152.	3.0	12
47	P2X7 receptor-mediated TG2 externalization: a link to inflammatory arthritis?. Amino Acids, 2017, 49, 453-460.	1.2	9
48	Anti-Transglutaminase 6 Antibodies in Children and Young Adults with Cerebral Palsy. Autoimmune Diseases, 2014, 2014, 1-8.	2.7	6
49	TG6 Auto-Antibodies in Dermatitis Herpetiformis. Nutrients, 2020, 12, 2884.	1.7	6
50	Transglutaminase 6 Is Colocalized and Interacts with Mutant Huntingtin in Huntington Disease Rodent Animal Models. International Journal of Molecular Sciences, 2021, 22, 8914.	1.8	6
51	The Neuroimmunology of Gluten Intolerance. , 2016, , 263-285.		3
52	Rapid shape determination of tissue transglutaminase using high-throughput computing. Acta Crystallographica Section D: Biological Crystallography, 2007, 63, 1022-1024.	2.5	2
53	Gluten sensitivity and the CNS: diagnosis and treatment â€“ Authors' reply. Lancet Neurology, The, 2010, 9, 654-655.	4.9	2
54	A20â€…A role for transglutaminase 6 in hd pathology. , 2018, , .		0