

# Mattia Toni

## List of Publications by Year in descending order

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60  
papers

1,888  
citations

218381

26  
h-index

276539

41  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1450  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytochemical, biochemical and molecular aspects of the process of keratinization in the epidermis of reptilian scales. <i>Progress in Histochemistry and Cytochemistry</i> , 2006, 40, 73-134.	5.1	97
2	Hard (Beta-)Keratins in the Epidermis of Reptiles:Â Composition, Sequence, and Molecular Organization. <i>Journal of Proteome Research</i> , 2007, 6, 3377-3392.	1.8	90
3	Evolution of hard proteins in the sauropsid integument in relation to the cornification of skin derivatives in amniotes. <i>Journal of Anatomy</i> , 2009, 214, 560-586.	0.9	87
4	Colocalization Prostacyclin (PGI2) Synthaseâ€Caveolin-1 in Endothelial Cells and New Roles for PGI2 in Angiogenesis. <i>Experimental Cell Research</i> , 2001, 266, 31-43.	1.2	83
5	Review: Assessing fish welfare in research and aquaculture, with a focus on European directives. <i>Animal</i> , 2019, 13, 161-170.	1.3	76
6	Involvement of caveolae and caveolae-like domains in signalling, cell survival and angiogenesis. <i>Cellular Signalling</i> , 2002, 14, 93-98.	1.7	72
7	Cloning and characterization of scale Î²-keratins in the differentiating epidermis of geckoes show they are glycine-proline-serineâ€rich proteins with a central motif homologous to avian Î²-keratins. <i>Developmental Dynamics</i> , 2007, 236, 374-388.	0.8	61
8	Betaâ€keratins of turtle shell are glycineâ€prolineâ€tyrosine rich proteins similar to those of crocodilians and birds. <i>Journal of Anatomy</i> , 2009, 214, 284-300.	0.9	60
9	Cytochemical and molecular characteristics of the process of cornification during feather morphogenesis. <i>Progress in Histochemistry and Cytochemistry</i> , 2008, 43, 1-69.	5.1	58
10	Wound keratins in the regenerating epidermis of lizard suggest that the wound reaction is similar in the tail and limb. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2005, 303A, 845-860.	1.3	54
11	Î²-keratins of differentiating epidermis of snake comprise glycine-proline-serine-rich proteins with an avian-like gene organization. <i>Developmental Dynamics</i> , 2007, 236, 1939-1953.	0.8	54
12	Mechanosensing role of caveolae and caveolar constituents in human endothelial cells. <i>Journal of Cellular Physiology</i> , 2003, 197, 198-204.	2.0	51
13	Î²â€keratins of the crocodilian epidermis: composition, structure, and phylogenetic relationships. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2009, 312B, 42-57.	0.6	51
14	Analysis of gene expression in gecko digital adhesive pads indicates significant production of cysteineâ€ and glycineâ€rich betaâ€keratins. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2009, 312B, 58-73.	0.6	49
15	Hard cornification in reptilian epidermis in comparison to cornification in mammalian epidermis. <i>Experimental Dermatology</i> , 2007, 16, 961-976.	1.4	47
16	Environmental temperature variation affects brain protein expression and cognitive abilities in adult zebrafish ( <i>Danio rerio</i> ): A proteomic and behavioural study. <i>Journal of Proteomics</i> , 2019, 204, 103396.	1.2	47
17	Increase in environmental temperature affects exploratory behaviour, anxiety and social preference in <i>Danio rerio</i> . <i>Scientific Reports</i> , 2020, 10, 5385.	1.6	46
18	The Epidermis of Scales in Gecko Lizards Contains Multiple Forms of Î²-Keratins Including Basic Glycine-Proline-Serine-Rich Proteins. <i>Journal of Proteome Research</i> , 2007, 6, 1792-1805.	1.8	45

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19	Metal Dyshomeostasis and Their Pathological Role in Prion and Prion-Like Diseases: The Basis for a Nutritional Approach. <i>Frontiers in Neuroscience</i> , 2017, 11, 3.	1.4	44
20	Scale keratin in lizard epidermis reveals amino acid regions homologous with avian and mammalian epidermal proteins. <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , 2006, 288A, 734-752.	2.0	41
21	Cellular Prion Protein and Caveolin-1 Interaction in a Neuronal Cell Line Precedes Fyn/Erk 1/2 Signal Transduction. <i>Journal of Biomedicine and Biotechnology</i> , 2006, 2006, 1-13.	3.0	38
22	Alpha- and beta-keratins of the snake epidermis. <i>Zoology</i> , 2007, 110, 41-47.	0.6	29
23	Fish Synucleins: An Update. <i>Marine Drugs</i> , 2015, 13, 6665-6686.	2.2	29
24	Immunolocalization and characterization of cornification proteins in snake epidermis. <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , 2005, 282A, 138-146.	2.0	28
25	Skin structure and cornification proteins in the soft-shelled turtle <i>Trionyx spiniferus</i> . <i>Zoology</i> , 2006, 109, 182-195.	0.6	28
26	Acute environmental temperature variation affects brain protein expression, anxiety and explorative behaviour in adult zebrafish. <i>Scientific Reports</i> , 2021, 11, 2521.	1.6	28
27	Immunolocalization and characterization of beta-keratins in growing epidermis of chelonians. <i>Tissue and Cell</i> , 2006, 38, 53-63.	1.0	26
28	Characterization of keratins and associated proteins involved in the corneification of crocodilian epidermis. <i>Tissue and Cell</i> , 2007, 39, 311-323.	1.0	25
29	Immunocytochemistry and protein analysis suggest that reptilian claws contain small high cysteine-glycine proteins. <i>Tissue and Cell</i> , 2009, 41, 180-192.	1.0	25
30	Distribution and characterization of proteins associated with cornification in the epidermis of gecko lizard. <i>Tissue and Cell</i> , 2005, 37, 423-433.	1.0	24
31	Immuno-Cross reactivity of transglutaminase and cornification marker proteins in the epidermis of vertebrates suggests common processes of soft cornification across species. <i>The Journal of Experimental Zoology</i> , 2004, 302B, 526-549.	1.4	23
32	Extracellular copper ions regulate cellular prion protein (PrPC) expression and metabolism in neuronal cells. <i>FEBS Letters</i> , 2005, 579, 741-744.	1.3	23
33	Expression of beta-keratin mRNAs and proline uptake in epidermal cells of growing scales and pad lamellae of gecko lizards. <i>Journal of Anatomy</i> , 2007, 211, 104-116.	0.9	23
34	Differentiation of the epidermis in turtle: an immunocytochemical, autoradiographic and electrophoretic analysis. <i>Acta Histochemica</i> , 2004, 106, 379-395.	0.9	22
35	Caveolae and Caveolae Constituents in Mechanosensing: Effect of Modeled Microgravity on Cultured Human Endothelial Cells. <i>Cell Biochemistry and Biophysics</i> , 2006, 46, 155-164.	0.9	21
36	Characterization of beta-keratins and associated proteins in adult and regenerating epidermis of lizards. <i>Tissue and Cell</i> , 2004, 36, 333-349.	1.0	19

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37	Effects of Temperature on the Antipredator Behaviour and on the Cholinergic Expression in the European Sea Bass ( <i>Dicentrarchus labrax</i> L.) Juveniles. <i>Ethology</i> , 2013, 119, 592-604.	0.5	19
38	Localization and Characterization of Specific Cornification Proteins in Avian Epidermis. <i>Cells Tissues Organs</i> , 2004, 178, 204-215.	1.3	18
39	Distribution and Characterization of Keratins in the Epidermis of the Tuatara ( <i>Sphenodon punctatus</i> ;) <i>Tj ETQq1 1 0.784314 rgrBT /Ove</i>	0.3	18
40	Selective inhibition of prostacyclin synthase activity by rofecoxib. <i>Journal of Cellular and Molecular Medicine</i> , 2007, 11, 327-338.	1.6	18
41	Immunological characterization and fine localization of a lizard beta-keratin. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2006, 306B, 528-538.	0.6	17
42	The Acclimation of European Sea Bass ( <i>Dicentrarchus labrax</i> ) to Temperature: Behavioural and Neurochemical Responses. <i>Ethology</i> , 2015, 121, 68-83.	0.5	16
43	Soft epidermis of a scaleless snake lacks beta-keratin. <i>European Journal of Histochemistry</i> , 2007, 51, 145-51.	0.6	15
44	Immunological characterization of a newly developed antibody for localization of a beta-keratin in turtle epidermis. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2007, 308B, 200-208.	0.6	14
45	Cellular, biochemical, and molecular characterization of nitric oxide synthase expressed in the nervous system of the prosobranch <i>Stramonita haemastoma</i> (Gastropoda, Neogastropoda). <i>Journal of Comparative Neurology</i> , 2012, 520, 364-383.	0.9	13
46	The Cellular Prion Protein: Biochemistry, Topology, and Physiologic Functions. <i>Cell Biochemistry and Biophysics</i> , 2003, 38, 287-304.	0.9	11
47	Putative histidin-rich proteins in the epidermis of lizards. <i>The Journal of Experimental Zoology</i> , 2003, 296A, 1-17.	1.4	11
48	Nitric Oxide and the Neuroendocrine Control of the Osmotic Stress Response in Teleosts. <i>International Journal of Molecular Sciences</i> , 2019, 20, 489.	1.8	11
49	Loss of circadian rhythmicity in bdnf knockout zebrafish larvae. <i>IScience</i> , 2022, 25, 104054.	1.9	11
50	Variation in Environmental Parameters in Research and Aquaculture: Effects on Behaviour, Physiology and Cell Biology of Teleost Fish. <i>Journal of Aquaculture &amp; Marine Biology</i> , 2017, 5, .	0.2	10
51	Presence of putative histidine-rich proteins in the amphibian epidermis. <i>The Journal of Experimental Zoology</i> , 2003, 297A, 105-117.	1.4	9
52	Localization of $\beta$ -Synuclein in Teleost Central Nervous System: Immunohistochemical and Western Blot Evidence by 3D5 Monoclonal Antibody in the Common Carp, <i>Cyprinus carpio</i> . <i>Journal of Comparative Neurology</i> , 2015, 523, 1095-1124.	0.9	9
53	Characterization of beta-keratins in lizard epidermis: Electrophoresis, immunocytochemical and in situ-hybridization study. <i>Tissue and Cell</i> , 2007, 39, 1-11.	1.0	7
54	Nitric Oxide Synthase in the Central Nervous System and Peripheral Organs of <i>Stramonita haemastoma</i> : Protein Distribution and Gene Expression in Response to Thermal Stress. <i>Marine Drugs</i> , 2015, 13, 6636-6664.	2.2	7

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55	Effects of low-dose methylcyclopentadienyl manganese tricarbonyl-derived manganese on the development of diencephalic dopaminergic neurons in zebrafish. <i>Environmental Pollution</i> , 2021, 287, 117151.	3.7	7
56	Synuclein expression in the lizard <i>Anolis carolinensis</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2016, 202, 577-595.	0.7	6
57	Distribution of choline acetyltransferase (ChAT) immunoreactivity in the brain of the teleost <i>Cyprinus carpio</i> . <i>European Journal of Histochemistry</i> , 2018, 62, .	0.6	6
58	Knock down of cytosolic phospholipase A2: an antisense oligonucleotide having a nuclear localization binds a C-terminal motif of glyceraldehyde-3-phosphate dehydrogenase. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2004, 1636, 129-135.	1.2	4
59	Brain Proteome and Behavioural Analysis in Wild Type, BDNF+/+ and BDNF <sup>-/-</sup> Adult Zebrafish ( <i>Danio</i> ) Tj ETQq1 1 0.784314 rgBT / Dv 5606.	1.8	4
60	Synuclein Analysis in Adult <i>Xenopus laevis</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 6058.	1.8	3