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	Loss of circadian rhythmicity in bdnf knockout zebrafish larvae. IScience, 2022, 25, 104054.	1.9	11
2	Synuclein Analysis in Adult Xenopus laevis. International Journal of Molecular Sciences, 2022, 23, 6058.	1.8	3
3	Brain Proteome and Behavioural Analysis in Wild Type, BDNF+/â˜' and BDNFâ˜'/â˜' Adult Zebrafish (Danio) Tj ETQq1 1 0.784314 rgBT /Ov 5606.	1.8	4
4	Acute environmental temperature variation affects brain protein expression, anxiety and explorative behaviour in adult zebrafish. Scientific Reports, 2021, 11, 2521.	1.6	28
5	Effects of low-dose methylcyclopentadienyl manganese tricarbonyl-derived manganese on the development of diencephalic dopaminergic neurons in zebrafish. Environmental Pollution, 2021, 287, 117151.	3.7	7
6	Increase in environmental temperature affects exploratory behaviour, anxiety and social preference in Danio rerio. Scientific Reports, 2020, 10, 5385.	1.6	46
7	Review: Assessing fish welfare in research and aquaculture, with a focus on European directives. Animal, 2019, 13, 161-170.	1.3	76
8	Environmental temperature variation affects brain protein expression and cognitive abilities in adult zebrafish (Danio rerio): A proteomic and behavioural study. Journal of Proteomics, 2019, 204, 103396.	1.2	47
9	Nitric Oxide and the Neuroendocrine Control of the Osmotic Stress Response in Teleosts. International Journal of Molecular Sciences, 2019, 20, 489.	1.8	11
10	Distribution of choline acetyltransferase (ChAT) immunoreactivity in the brain of the teleost Cyprinus carpio. European Journal of Histochemistry, 2018, 62, .	0.6	6
11	Metal Dyshomeostasis and Their Pathological Role in Prion and Prion-Like Diseases: The Basis for a Nutritional Approach. Frontiers in Neuroscience, 2017, 11, 3.	1.4	44
12	Variation in Environmental Parameters in Research and Aquaculture: Effects on Behaviour, Physiology and Cell Biology of Teleost Fish. Journal of Aquaculture & Marine Biology, 2017, 5, .	0.2	10
13	Synuclein expression in the lizard Anolis carolinensis. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2016, 202, 577-595.	0.7	6
14	Localization of Î±â€šsynuclein in Teleost Central Nervous System: Immunohistochemical and Western Blot Evidence by 3D5 Monoclonal Antibody in the Common Carp, Cyprinus carpio. Journal of Comparative Neurology, 2015, 523, 1095-1124.	0.9	9
15	Nitric Oxide Synthase in the Central Nervous System and Peripheral Organs of Stramonita haemastoma: Protein Distribution and Gene Expression in Response to Thermal Stress. Marine Drugs, 2015, 13, 6636-6664.	2.2	7
16	Fish Synucleins: An Update. Marine Drugs, 2015, 13, 6665-6686.	2.2	29
17	The Acclimation of European Sea Bass (Dicentrarchus labrax) to Temperature: Behavioural and Neurochemical Responses. Ethology, 2015, 121, 68-83.	0.5	16
18	Effects of Temperature on the Antipredator Behaviour and on the Cholinergic Expression in the <scp>E</scp>uropean Sea Bass (<scp>D</scp>icentrarchus labrax <scp>L</scp>.) Juveniles. Ethology, 2013, 119, 592-604.	0.5	19

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19	Cellular, biochemical, and molecular characterization of nitric oxide synthase expressed in the nervous system of the prosobranch Stramonita haemastoma (Gastropoda, Neogastropoda). Journal of Comparative Neurology, 2012, 520, 364-383.	0.9	13
20	Î²â€keratins of the crocodilian epidermis: composition, structure, and phylogenetic relationships. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2009, 312B, 42-57.	0.6	51
21	Analysis of gene expression in gecko digital adhesive pads indicates significant production of cysteineâ€• and glycineâ€rich betaâ€keratins. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2009, 312B, 58-73.	0.6	49
22	Betaâ€keratins of turtle shell are glycineâ€prolineâ€tyrosine rich proteins similar to those of crocodilians and birds. Journal of Anatomy, 2009, 214, 284-300.	0.9	60
23	Evolution of hard proteins in the sauropsid integument in relation to the cornification of skin derivatives in amniotes. Journal of Anatomy, 2009, 214, 560-586.	0.9	87
24	Immunocytochemistry and protein analysis suggest that reptilian claws contain small high cysteineâ€“glycine proteins. Tissue and Cell, 2009, 41, 180-192.	1.0	25
25	Cytochemical and molecular characteristics of the process of cornification during feather morphogenesis. Progress in Histochemistry and Cytochemistry, 2008, 43, 1-69.	5.1	58
26	Characterization of beta-keratins in lizard epidermis: Electrophoresis, immunocytochemical and in situ-hybridization study. Tissue and Cell, 2007, 39, 1-11.	1.0	7
27	Characterization of keratins and associated proteins involved in the corneification of crocodilian epidermis. Tissue and Cell, 2007, 39, 311-323.	1.0	25
28	Hard (Beta-)Keratins in the Epidermis of Reptiles:Â Composition, Sequence, and Molecular Organization. Journal of Proteome Research, 2007, 6, 3377-3392.	1.8	90
29	The Epidermis of Scales in Gecko Lizards Contains Multiple Forms of Î²-Keratins Including Basic Glycine-Proline-Serine-Rich Proteins. Journal of Proteome Research, 2007, 6, 1792-1805.	1.8	45
30	Cloning and characterization of scale Î²-keratins in the differentiating epidermis of geckoes show they are glycine-proline-sereineâ€“rich proteins with a central motif homologous to avian Î²-keratins. Developmental Dynamics, 2007, 236, 374-388.	0.8	61
31	Î²-keratins of differentiating epidermis of snake comprise glycine-proline-serine-rich proteins with an avian-like gene organization. Developmental Dynamics, 2007, 236, 1939-1953.	0.8	54
32	Immunological characterization of a newly developed antibody for localization of a beta-keratin in turtle epidermis. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2007, 308B, 200-208.	0.6	14
33	Alpha- and beta-keratins of the snake epidermis. Zoology, 2007, 110, 41-47.	0.6	29
34	Expression of beta-keratin mRNAs and proline uptake in epidermal cells of growing scales and pad lamellae of gecko lizards. Journal of Anatomy, 2007, 211, 104-116.	0.9	23
35	Hard cornification in reptilian epidermis in comparison to cornification in mammalian epidermis. Experimental Dermatology, 2007, 16, 961-976.	1.4	47
36	Selective inhibition of prostacyclin synthase activity by rofecoxib. Journal of Cellular and Molecular Medicine, 2007, 11, 327-338.	1.6	18

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37	Soft epidermis of a scaleless snake lacks beta-keratin. European Journal of Histochemistry, 2007, 51, 145-51.	0.6	15
38	Distribution and Characterization of Keratins in the Epidermis of the Tuatara (Sphenodon punctatus;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.3	18
39	Cytochemical, biochemical and molecular aspects of the process of keratinization in the epidermis of reptilian scales. Progress in Histochemistry and Cytochemistry, 2006, 40, 73-134.	5.1	97
40	Immunolocalization and characterization of beta-keratins in growing epidermis of chelonians. Tissue and Cell, 2006, 38, 53-63.	1.0	26
41	Skin structure and cornification proteins in the soft-shelled turtle Trionyx spiniferus. Zoology, 2006, 109, 182-195.	0.6	28
42	Caveolae and Caveolae Constituents in Mechanosensing: Effect of Modeled Microgravity on Cultured Human Endothelial Cells. Cell Biochemistry and Biophysics, 2006, 46, 155-164.	0.9	21
43	Scale keratin in lizard epidermis reveals amino acid regions homologous with avian and mammalian epidermal proteins. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2006, 288A, 734-752.	2.0	41
44	Immunological characterization and fine localization of a lizard beta-keratin. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2006, 306B, 528-538.	0.6	17
45	Cellular Prion Protein and Caveolin-1 Interaction in a Neuronal Cell Line Precedes Fyn/Erk 1/2 Signal Transduction. Journal of Biomedicine and Biotechnology, 2006, 2006, 1-13.	3.0	38
46	Immunolocalization and characterization of cornification proteins in snake epidermis. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2005, 282A, 138-146.	2.0	28
47	Wound keratins in the regenerating epidermis of lizard suggest that the wound reaction is similar in the tail and limb. Journal of Experimental Zoology Part A, Comparative Experimental Biology, 2005, 303A, 845-860.	1.3	54
48	Extracellular copper ions regulate cellular prion protein (PrPC) expression and metabolism in neuronal cells. FEBS Letters, 2005, 579, 741-744.	1.3	23
49	Distribution and characterization of proteins associated with cornification in the epidermis of gecko lizard. Tissue and Cell, 2005, 37, 423-433.	1.0	24
50	Immuno-Cross reactivity of transglutaminase and cornification marker proteins in the epidermis of vertebrates suggests common processes of soft cornification across species. The Journal of Experimental Zoology, 2004, 302B, 526-549.	1.4	23
51	Localization and Characterization of Specific Cornification Proteins in Avian Epidermis. Cells Tissues Organs, 2004, 178, 204-215.	1.3	18
52	Knock down of cytosolic phospholipase A2: an antisense oligonucleotide having a nuclear localization binds a C-terminal motif of glyceraldehyde-3-phosphate dehydrogenase. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2004, 1636, 129-135.	1.2	4
53	Characterization of beta-keratins and associated proteins in adult and regenerating epidermis of lizards. Tissue and Cell, 2004, 36, 333-349.	1.0	19
54	Differentiation of the epidermis in turtle: an immunocytochemical, autoradiographic and electrophoretic analysis. Acta Histochemica, 2004, 106, 379-395.	0.9	22

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55	The Cellular Prion Protein: Biochemistry, Topology, and Physiologic Functions. Cell Biochemistry and Biophysics, 2003, 38, 287-304.	0.9	11
56	Mechanosensing role of caveolae and caveolar constituents in human endothelial cells. Journal of Cellular Physiology, 2003, 197, 198-204.	2.0	51
57	Putative histidin-rich proteins in the epidermis of lizards. The Journal of Experimental Zoology, 2003, 296A, 1-17.	1.4	11
58	Presence of putative histidine-rich proteins in the amphibian epidermis. The Journal of Experimental Zoology, 2003, 297A, 105-117.	1.4	9
59	Involvement of caveolae and caveolae-like domains in signalling, cell survival and angiogenesis. Cellular Signalling, 2002, 14, 93-98.	1.7	72
60	Colocalization Prostacyclin (PGI2) Synthaseâ€“Caveolin-1 in Endothelial Cells and New Roles for PGI2 in Angiogenesis. Experimental Cell Research, 2001, 266, 31-43.	1.2	83