J A Vega

List of Publications by Year in descending order

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144 papers	3,238 citations	172207 29 h-index	233125 45 g-index
148 all docs	148 docs citations	148 times ranked	2963 citing authors

#	Article	IF	Citations
1	Neurotrophins and the immune system. Journal of Anatomy, 2003, 203, 1-19.	0.9	221
2	Intervertebral disc, sensory nerves and neurotrophins: who is who in discogenic pain?. Journal of Anatomy, 2010, 217, 1-15.	0.9	197
3	S-100 proteins in the human peripheral nervous system. Microscopy Research and Technique, 2003, 60, 633-638.	1.2	119
4	The Meissner and Pacinian sensory corpuscles revisited new data from the last decade. Microscopy Research and Technique, 2009, 72, 299-309.	1.2	88
5	Ageing of the somatosensory system at the periphery: ageâ€related changes in cutaneous mechanoreceptors. Journal of Anatomy, 2019, 234, 839-852.	0.9	78
6	Immunohistochemical analysis of mechanoreceptors in the human posterior cruciate ligament. Journal of Arthroplasty, 1998, 13, 916-922.	1.5	71
7	Differential distribution of S100 protein and calretinin in mechanosensory and chemosensory cells of adult zebrafish (Danio rerio). Brain Research, 2007, 1162, 48-55.	1.1	65
8	Immunohistochemistry of human cutaneous Meissner and Pacinian corpuscles. , 1996, 34, 351-361.		64
9	S100 protein-like immunoreactivity in the crypt olfactory neurons of the adult zebrafish. Neuroscience Letters, 2004, 371, 196-198.	1.0	58
10	Immunohistochemical localization of the high-affinity NGF receptor (gp 140-trkA) in the adult human dorsal root and sympathetic ganglia and in the nerves and sensory corpuscles supplying digital skin. The Anatomical Record, 1994, 240, 579-588.	2.3	57
11	The Human Cutaneous Sensory Corpuscles: An Update. Journal of Clinical Medicine, 2021, 10, 227.	1.0	55
12	Acid-sensing ion channels in healthy and degenerated human intervertebral disc. Connective Tissue Research, 2014, 55, 197-204.	1.1	43
13	Pattern of trkB protein-like immunoreactivity in vivo and the in vitro effects of brain-derived neurotrophic factor (BDNF) on developing cochlear and vestibular neurons. Anatomy and Embryology, 1994, 189, 157-67.	1.5	41
14	Mechanosensory neurons, cutaneous mechanoreceptors, and putative mechanoproteins. Microscopy Research and Technique, 2012, 75, 1033-1043.	1.2	41
15	Merkel cells and Meissner's corpuscles in human digital skin display Piezo2 immunoreactivity. Journal of Anatomy, 2017, 231, 978-989.	0.9	41
16	BDNF, but not NT-4, is necessary for normal development of Meissner corpuscles. Neuroscience Letters, 2005, 377, 12-15.	1.0	39
17	Characterization of sensory deficits in TrkB knockout mice. Neuroscience Letters, 2008, 433, 43-47.	1.0	39
18	The crypt neurons in the olfactory epithelium of the adult zebrafish express TrkA-like immunoreactivity. Neuroscience Letters, 2003, 350, 5-8.	1.0	38

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19	Absence of Meissner corpuscles in the digital pads of mice lacking functional TrkB. Brain Research, 2004, 1002, 120-128.	1.1	37
20	Differential Localization of Acid-Sensing Ion Channels 1 and 2 in Human Cutaneus Pacinian Corpuscles. Cellular and Molecular Neurobiology, 2010, 30, 841-848.	1.7	37
21	TRPV4 in the sensory organs of adult zebrafish. Microscopy Research and Technique, 2012, 75, 89-96.	1.2	37
22	Innervation of the Human Cavum Conchae and Auditory Canal: Anatomical Basis for Transcutaneous Auricular Nerve Stimulation. BioMed Research International, 2017, 2017, 1-10.	0.9	37
23	Expression of Brain-Derived Neurotrophic Factor and TrkB in the Lateral Line System of Zebrafish During Development. Cellular and Molecular Neurobiology, 2010, 30, 787-793.	1.7	36
24	Nerve growth factor receptor immunoreactivity in Meissner and Pacinian corpuscles of the human digital skin. The Anatomical Record, 1993, 236, 730-736.	2.3	35
25	Morphological differences in adipose tissue and changes in BDNF/Trkb expression in brain and gut of a diet induced obese zebrafish model. Annals of Anatomy, 2016, 204, 36-44.	1.0	35
26	Molecular basis of dental sensitivity: The odontoblasts are multisensory cells and express multifunctional ion channels. Annals of Anatomy, 2018, 215, 20-29.	1.0	35
27	Neurotrophin receptors in taste buds of adult zebrafish (Danio rerio). Neuroscience Letters, 2004, 354, 189-192.	1.0	34
28	Expression and distribution of S100 protein in the nervous system of the adult zebrafish (Danio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	34
29	Development and neuronal dependence of cutaneous sensory nerve formations: Lessons from neurotrophins. Microscopy Research and Technique, 2010, 73, 513-529.	1.2	34
30	p75 and TrkA neurotrophin receptors in human skin after spinal cord and peripheral nerve injury, with special reference to sensory corpuscles. , 1998, 251, 371-383.		33
31	Searching for proprioceptors in human facial muscles. Neuroscience Letters, 2017, 640, 1-5.	1.0	33
32	Changes in the expression of the nerve growth factor receptors TrkA and p75 LNGR in the rat thymus with ageing and increased nerve growth factor plasma levels. Cell and Tissue Research, 2000, 301, 225-234.	1.5	31
33	Human odontoblasts express transient receptor protein and acidâ€sensing ion channel mechanosensor proteins. Microscopy Research and Technique, 2011, 74, 457-463.	1.2	30
34	Anatomy of the olfactory mucosa. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 164, 47-65.	1.0	30
35	Trk neurotrophin receptor-like proteins in the teleost Dicentrarchus labrax. Cell and Tissue Research, 2000, 300, 1-9.	1.5	29
36	Development of Meissner-like and Pacinian sensory corpuscles in the mouse demonstrated with specific markers for corpuscular constituents. , 2000, 258, 235-242.		28

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37	Immunohistochemical localization of BDNF-, TrkB- and TrkA-like proteins in the teleost lateral line system. Journal of Anatomy, 2002, 200, 477-485.	0.9	27
38	BRIEF COMMUNICATION: TrkA and p75NTR in the ovary of adult cow and pig. Journal of Anatomy, 2005, 207, 93-96.	0.9	27
39	Expression and cell localization of brainâ€derived neurotrophic factor and TrkB during zebrafish retinal development. Journal of Anatomy, 2010, 217, 214-222.	0.9	27
40	ASIC2 is present in human mechanosensory neurons of the dorsal root ganglia and in mechanoreceptors of the glabrous skin. Histochemistry and Cell Biology, 2015, 143, 267-276.	0.8	27
41	Connections between the facial and trigeminal nerves: Anatomical basis for facial muscle proprioception. JPRAS Open, 2017, 12, 9-18.	0.4	27
42	S-100 protein is a selective marker for sensory hair cells of the lateral line system in teleosts. Neuroscience Letters, 2002, 329, 133-136.	1.0	24
43	The expression of ENa+C and ASIC2 proteins in Pacinian corpuscles is differently regulated by TrkB and its ligands BDNF and NT-4. Neuroscience Letters, 2009, 463, 114-118.	1.0	24
44	The development of human digital Meissnerâ€™s and Pacinian corpuscles. Annals of Anatomy, 2018, 219, 8-24.	1.0	24
45	Expression of epidermal growth factor receptor (EGFr) immunoreactivity in human cutaneous nerves and sensory corpuscles. The Anatomical Record, 1994, 240, 125-130.	2.3	23
46	Immunohistochemical localization of laminin and type IV collagen in human cutaneous sensory nerve formations. Anatomy and Embryology, 1995, 191, 33-9.	1.5	23
47	Acid-sensing ion channels (ASICs) in the taste buds of adult zebrafish. Neuroscience Letters, 2013, 536, 35-40.	1.0	22
48	Expression of TrkB in the murine kidney. Microscopy Research and Technique, 2006, 69, 1014-1020.	1.2	21
49	Neurotrophin and Trk neurotrophin receptors in the inner ear of Salmo salar and Salmo trutta. Journal of Anatomy, 2007, 210, 78-88.	0.9	21
50	Myelin basic proteinâ€positive nerve fibres in human Meissner corpuscles. Journal of Anatomy, 2009, 214, 888-893.	0.9	21
51	Expression and anatomical distribution of TrkB in the encephalon of the adult zebrafish (Danio rerio). Neuroscience Letters, 2014, 563, 66-69.	1.0	21
52	Acid-sensing ion channel 2 (ASIC2) is selectively localized in the cilia of the non-sensory olfactory epithelium of adult zebrafish. Histochemistry and Cell Biology, 2015, 143, 59-68.	0.8	21
53	Peripheral Mechanobiology of Touchâ€"Studies on Vertebrate Cutaneous Sensory Corpuscles. International Journal of Molecular Sciences, 2020, 21, 6221.	1.8	21
54	Cleavage of Fibulin-2 by the aggrecanases ADAMTS-4 and ADAMTS-5 contributes to the tumorigenic potential of breast cancer cells. Oncotarget, 2017, 8, 13716-13729.	0.8	21

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55	S100Î± and S100Î² proteins in human cutaneous sensory corpuscles: Effects of nerve and spinal cord injury. , 1998, 251, 351-359.		20
56	The Sensory Innervation of the Human Pharynx: Searching for Mechanoreceptors. Anatomical Record, 2013, 296, 1735-1746.	0.8	20
57	Endoneurial-CD34 positive cells define an intermediate layer in human digital Pacinian corpuscles. Annals of Anatomy, 2017, 211, 55-60.	1.0	20
58	The BDNF/TrkB Neurotrophin System in the Sensory Organs of Zebrafish. International Journal of Molecular Sciences, 2022, 23, 2621.	1.8	20
59	Trks and p75 genes are differentially expressed in the inner ear of human embryos. What may Trks and p75 null mutant mice suggest on human development?. Neuroscience Letters, 1999, 272, 103-106.	1.0	19
60	Pacinian Corpuscles in a Cervical Chondrocutaneous Remnant. American Journal of Dermatopathology, 2016, 38, 231-235.	0.3	19
61	Acid-sensing ion channels and transient-receptor potential ion channels in zebrafish taste buds. Annals of Anatomy, 2016, 207, 32-37.	1.0	19
62	Fibulin-5 downregulates Ki-67 and inhibits proliferation and invasion of breast cancer cells. International Journal of Oncology, 2016, 48, 1447-1456.	1.4	18
63	Clinical Implication of Meissnerâ€™s Corpuscles. CNS and Neurological Disorders - Drug Targets, 2012, 11, 856-868.	0.8	18
64	Trk neurotrophin receptor-like proteins in the teleost Dicentrarchus labrax. Cell and Tissue Research, 2000, 300, 1-9.	1.5	18
65	Study of human cutaneous sensory corpuscles using double immunolabelling and confocal laser scanning microscopy. , 1996, 246, 557-560.		17
66	The lamellar cells in human Meissner corpuscles express TrkB. Neuroscience Letters, 2010, 468, 106-109.	1.0	17
67	Tissueâ€engineering approaches in pancreatic islet transplantation. Biotechnology and Bioengineering, 2018, 115, 3009-3029.	1.7	17
68	Vertebrate Thymus and the Neurotrophin System. International Review of Cytology, 2004, 237, 155-204.	6.2	16
69	Acid-sensing ion channel 2 (ASIC2) in the intestine of adult zebrafish. Neuroscience Letters, 2011, 494, 24-28.	1.0	16
70	Immunohistochemical localization of acid-sensing ion channel 2 (ASIC2) in cutaneous Meissner and Pacinian corpuscles of Macaca fascicularis. Neuroscience Letters, 2012, 516, 197-201.	1.0	16
71	Expression of the neurotrophin receptor TrkB in the mouse liver. Anatomy and Embryology, 2006, 211, 465-473.	1.5	15
72	Immunohistochemical Profile of Human Pancreatic Pacinian Corpuscles. Pancreas, 2010, 39, 403-410.	0.5	15

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73	Co-Enzyme Q10 to Treat Neurological Disorders: Basic Mechanisms, Clinical Outcomes, and Future Research Direction. CNS and Neurological Disorders - Drug Targets, 2013, 12, 641-664.	0.8	15
74	Sox-2 in taste bud and lateral line system of zebrafish during development. Neuroscience Letters, 2009, 467, 36-39.	1.0	14
75	Immunohistochemical characterization of the crypt neurons in the olfactory epithelium of adult zebrafish. Annals of Anatomy, 2014, 196, 178-182.	1.0	14
76	Abnormal development of pacinian corpuscles in double trkB;trkC knockout mice. Neuroscience Letters, 2006, 410, 157-161.	1.0	13
77	Developmental changes in the expression of sox2 in the zebrafish brain. Microscopy Research and Technique, 2011, 74, 347-354.	1.2	13
78	Recombinant osteoprotegerin effects during orthodontic movement in a rat model. European Journal of Orthodontics, 2016, 38, 379-385.	1.1	13
79	Immunohistochemical localization of neurocalcin in human sensory neurons and mechanoreceptors. Neuroscience Letters, 2000, 279, 89-92.	1.0	12
80	Light regulates the expression of the BDNF/TrkB system in the adult Zebrafish retina. Microscopy Research and Technique, 2013, 76, 42-49.	1.2	12
81	Topographical and drug specific sensitivity of hair cells of the zebrafish larvae to aminoglycoside-induced toxicity. Annals of Anatomy, 2014, 196, 236-240.	1.0	12
82	Biology and mechanobiology of the intervertebral disc. NeurocirugÃa (English Edition), 2017, 28, 135-140.	0.1	12
83	The capsule of human Meissner corpuscles: immunohistochemical evidence. Journal of Anatomy, 2020, 236, 854-861.	0.9	12
84	Sensory innervation of the human male prepuce: Meissner's corpuscles predominate. Journal of Anatomy, 2021, 239, 892-902.	0.9	12
85	Presence of catecholamine-related enzymes in a subpopulation of primary sensory neurons in dorsal root ganglia of the rat. , 1991, 37, 519-30.		12
86	Effect of spinal cord and peripheral nerve injury on human cutaneous sensory corpuscles. An immunohistochemical study. Journal of the Peripheral Nervous System, 1997, 2, 49-59.	1.4	12
87	Acid-sensing ion channels (ASICs) 2 and 4.2 are expressed in the retina of the adult zebrafish. Cell and Tissue Research, 2015, 360, 223-231.	1.5	11
88	Osteoprotegerin and zoledronate bone effects during orthodontic tooth movement. Orthodontics and Craniofacial Research, 2016, 19, 54-64.	1.2	11
89	Human Digital <scp>M</scp>eissner Corpuscles Display Immunoreactivity for the Multifunctional Ion Channels Trpc6 and Trpv4. Anatomical Record, 2017, 300, 1022-1031.	0.8	11
90	Glans clitoris innervation: PIEZO2 and sexual mechanosensitivity. Journal of Anatomy, 2021, 238, 446-454.	0.9	11

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91	Effect of denervation on lamellar cells of Meissner-like sensory corpuscles of the rat. An immunohistochemical study. Cellular and Molecular Biology, 1993, 39, 801-7.	0.3	11
92	The Lamellar Cells of Vertebrate Meissner and Pacinian Corpuscles: Development, Characterization, and Functions. Frontiers in Neuroscience, 2022, 16, 790130.	1.4	11
93	Expression of TRPV4 in the zebrafish retina during development. Microscopy Research and Technique, 2012, 75, 743-748.	1.2	10
94	Immunohistochemical localization of periostin in human gingiva. European Journal of Histochemistry, 2015, 59, 2548.	0.6	10
95	The Use of Vitamins and Coenzyme Q10 for the Treatment of Vascular Occlusion Diseases Affecting the Retina. Nutrients, 2020, 12, 723.	1.7	10
96	Localization of BDNF and Calretinin in Olfactory Epithelium and Taste Buds of Zebrafish (Danio rerio). International Journal of Molecular Sciences, 2022, 23, 4696.	1.8	10
97	Î²-Amyloid precursor protein in human digital skin. Neuroscience Letters, 1995, 192, 132-136.	1.0	9
98	Postnatal developmental changes in the expression of ErbB receptors in murine Pacinian cospucles. Neuroscience Letters, 2007, 420, 90-95.	1.0	9
99	Role of Metalloproteases in Retinal Degeneration Induced by Violet and Blue Light. Advances in Experimental Medicine and Biology, 2010, 664, 159-164.	0.8	9
100	Aquaporin 4 in the sensory organs of adult zebrafish (Danio rerio). Brain Research, 2011, 1384, 23-28.	1.1	9
101	Pacinian Corpuscles in Human Lymph Nodes. Anatomical Record, 2017, 300, 2233-2238.	0.8	9
102	Evidence of Nestin-Positive Cells in the Human Cutaneus Meissner and Pacinian Corpuscles. CNS and Neurological Disorders - Drug Targets, 2012, 11, 869-877.	0.8	9
103	Periostin, dentin matrix protein 1 and P2rx7 ion channel in human teeth and periodontal ligament. Annals of Anatomy, 2018, 216, 103-111.	1.0	8
104	Calcium-binding Proteins in Avian Herbst and Grandry sensory corpuscles. The Anatomical Record, 1995, 243, 272-281.	2.3	7
105	Acid-sensing ion channel immunoreactivities in the cephalic neuromasts of adult zebrafish. Annals of Anatomy, 2016, 207, 27-31.	1.0	7
106	Verification and characterisation of human digital Ruffiniâ€™s sensory corpuscles. Journal of Anatomy, 2021, 238, 13-19.	0.9	7
107	Immunohistochemical Characterization of Tumor-Associated Macrophages in Canine Lymphomas. Animals, 2021, 11, 2301.	1.0	7
108	The acquisition of mechanoreceptive competence by human digital Merkel cells and sensory corpuscles during development: An immunohistochemical study of PIEZO2. Annals of Anatomy, 2022, 243, 151953.	1.0	7

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109	Immunohistochemical Detection of the Putative Mechanoproteins ASIC2 and TRPV4 in Avian Herbst Sensory Corpuscles. Anatomical Record, 2013, 296, 117-122.	0.8	6
110	Periostin and Human Teeth. Advances in Experimental Medicine and Biology, 2019, 1132, 73-78.	0.8	6
111	Chondroitin Sulfate in Human Cutaneous Meissner and Pacinian Sensory Corpuscles. Anatomical Record, 2019, 302, 325-331.	0.8	6
112	Heparan sulfate in human cutaneous Meissner's and Pacinian corpuscles. Anatomical Record, 2020, 303, 2262-2273.	0.8	6
113	Developing a Training Web Application for Improving the COVID-19 Diagnostic Accuracy on Chest X-ray. Journal of Digital Imaging, 2021, 34, 242-256.	1.6	6
114	The juxta-oral organ of Chievitz (organum yuxtaorale) updated: Embryology, anatomy, function and pathology. Annals of Anatomy, 2020, 232, 151582.	1.0	6
115	Sensory innervation of the human palmar aponeurosis in healthy individuals and patients with palmar fibromatosis. Journal of Anatomy, 2022, 240, 972-984.	0.9	6
116	Brainâ€Derived Neurotrofic Factor and its Receptor TrkB are Present, but Segregated, Within Mature Cutaneous Pacinian Corpuscles of <scp>M</scp>acaca fascicularis. Anatomical Record, 2015, 298, 624-629.	0.8	5
117	Ultrastructure of Lingual Papillae in Common Chimpanzee (Pan troglodytes) Foetus, Newborn and Adult Specimens. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2017, 46, 431-438.	0.3	5
118	Association Study of <i>MTHFR</i> Polymorphisms with Nonarteritic Anterior Ischemic Optic Neuropathy in a Spanish Population. Biomedicine Hub, 2020, 5, 1-13.	0.4	5
119	Transdermal Drug Delivery in the Pig Skin. Pharmaceutics, 2021, 13, 2016.	2.0	5
120	Bcl-2 immunoreactivity in human cutaneous Meissner and Pacinian corpuscles. Neuroscience Letters, 2006, 394, 13-16.	1.0	4
121	Experimental evidence of pharmacological management of anchorage in Orthodontics: A systematic review. Dental Press Journal of Orthodontics, 2015, 20, 58-65.	0.2	4
122	Transient-Receptor Potential (TRP) and Acid-Sensing Ion Channels (ASICs) in the Sensory Organs of Adult Zebrafish. , 2018, , .		4
123	Hyperplastic sensory corpuscles in nevus sebaceus of labia minora pudendi. A case report. Journal of Cutaneous Pathology, 2018, 45, 777-781.	0.7	4
124	Association study of high-frequency variants of MTHFR gene with retinal vein occlusion in a Spanish population. Ophthalmic Genetics, 2019, 40, 342-349.	0.5	4
125	Class I and Class II small leucine-rich proteoglycans in human cutaneous pacinian corpuscles. Annals of Anatomy, 2019, 224, 62-72.	1.0	4
126	The Tongue in Three Species of Lemurs: Flower and Nectar Feeding Adaptations. Animals, 2021, 11, 2811.	1.0	4

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127	Retinal Protection from LED-Backlit Screen Lights by Short Wavelength Absorption Filters. Cells, 2021, 10, 3248.	1.8	4
128	The sensory innervation of the human nipple. Annals of Anatomy, 2020, 229, 151456.	1.0	3
129	The Glial Cell of Human Cutaneous Sensory Corpuscles: Origin, Characterization, and Putative Roles. , 0, , .		3
130	Immunohistochemical localization of S-100 protein subunits (alpha and beta) in dorsal root ganglia of the rat. , 1991, 37, 173-81.		3
131	Synaptophysin is a selective marker for axons in human cutaneous end organ complexes. Annals of Anatomy, 2022, 243, 151955.	1.0	3
132	Neurocalcin-immunoreactive neurons in the mammalian dorsal root ganglia, including humans. The Anatomical Record, 2000, 259, 347-352.	2.3	2
133	Coenzyme Q10 treatment improved visual field after homonymous quadrantanopia caused by occipital lobe infarction. American Journal of Ophthalmology Case Reports, 2019, 13, 70-75.	0.4	2
134	Human digital merkel cells display pannexin1 immunoreactivity. Annals of Anatomy, 2022, 239, 151813.	1.0	2
135	Vasoactive intestinal polypeptide (VIP)-like immunoreactivity in intraprostatic neurons and major pelvic ganglia in the rat. Archivos Espanoles De Urologia, 1990, 43, 93-6.	0.1	2
136	Reduced innervation in the human pharynx in patients with obstructive sleep apnea. Histology and Histopathology, 2015, 30, 865-74.	0.5	2
137	The Proprioception in the Muscles Supplied by the Facial Nerve. , 0, , .		1
138	Structural and Biological Basis for Proprioception. , 0, , .		1
139	Functional hypothesis of the juxtaoral organ: Role of collagen types I and III. Oral Diseases, 2023, 29, 322-326.	1.5	1
140	Acid-sensing ion channel 2 (asic 2) and trkb interrelationships within the intervertebral disc. International Journal of Clinical and Experimental Pathology, 2015, 8, 10305-14.	0.5	1
141	Merkel Cell Carcinoma Display PIEZO2 Immunoreactivity. Journal of Personalized Medicine, 2022, 12, 894.	1.1	1
142	Pacinian Corpuscles as a Diagnostic Clue of Ledderhose Diseaseâ€"A Case Report and Mapping of Pacinian Corpuscles of the Sole. Diagnostics, 2022, 12, 1705.	1.3	1
143	The Cutaneous Biopsy for the Diagnosis of Peripheral Neuropathies: Meissnerâ€™s Corpuscles and Merkelâ€™s Cells. , 2019, , .		0
144	Localization of met-enkephalin like immunoreactivity in the glabrous skin of the cat rhinarium. European Journal of Morphology, 1990, 28, 69-78.	1.4	0