Nicolas Cuenca

List of Publications by Year
in descending order

138	5,409	42	64
papers	citations	h-index	g-index
		66234	110170

147	147	147	5255
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Current and future therapeutic strategies for the treatment of retinal neurodegenerative diseases. Neural Regeneration Research, 2022, 17, 103.	1.6	7
2	Systemic epigallocatechin gallate protects against retinal degeneration and hepatic oxidative stress in the P23H-1 rat. Neural Regeneration Research, 2022, 17, 625.	1.6	10
3	Prph2 mutant mice generated by CRISPR reproduces human central areolar choroidal dystrophy. Acta Ophthalmologica, 2022, 100, .	0.6	0
4	Optical Coherence Tomography Angiography in Diabetic Patients: A Systematic Review. Biomedicines, 2022, 10, 88.	1.4	21
5	Multimodal brain and retinal imaging of dopaminergic degeneration in Parkinson disease. Nature Reviews Neurology, 2022, 18, 203-220.	4.9	44
6	Combined drug triads for synergic neuroprotection in retinal degeneration. Biomedicine and Pharmacotherapy, 2022, 149, 112911.	2.5	7
7	Neuroprotective Effects of Tauroursodeoxicholic Acid Involves Vascular and Glial Changes in Retinitis Pigmentosa Model. Frontiers in Neuroanatomy, 2022, 16, 858073.	0.9	2
8	Sodium Hyaluronate-Induced Ocular Hypertension in Rats Damages the Direction-Selective Circuit and Inner/Outer Retinal Plexiform Layers. , 2022, 63, 2.		6
9	Inherited Retinal Dystrophies: Role of Oxidative Stress and Inflammation in Their Physiopathology and Therapeutic Implications. Antioxidants, 2022, 11, 1086.	2.2	14
10	Retinitis pigmentosa is associated with shifts in the gut microbiome. Scientific Reports, 2021, 11, 6692.	1.6	16
11	Phenotypic Differences in a PRPH2 Mutation in Members of the Same Family Assessed with OCT and OCTA. Diagnostics, 2021, 11, 777.	1.3	7
12	Mutant PRPF8 Causes Widespread Splicing Changes in Spliceosome Components in Retinitis Pigmentosa Patient iPSC-Derived RPE Cells. Frontiers in Neuroscience, 2021, 15, 636969.	1.4	9
13	Visual Disfunction due to the Selective Effect of Glutamate Agonists on Retinal Cells. International Journal of Molecular Sciences, 2021, 22, 6245.	1.8	9
14	Decrease in DHA and other fatty acids correlates with photoreceptor degeneration in retinitis pigmentosa. Experimental Eye Research, 2021, 209, 108667.	1.2	9
15	Short-term high-fat feeding exacerbates degeneration in retinitis pigmentosa by promoting retinal oxidative stress and inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	18
16	Effects of Daily Melatonin Supplementation on Visual Loss, Circadian Rhythms, and Hepatic Oxidative Damage in a Rodent Model of Retinitis Pigmentosa. Antioxidants, 2021, 10, 1853.	2.2	5
17	Characterization of the Canine Retinal Vasculature With Optical Coherence Tomography Angiography: Comparisons With Histology and Fluorescein Angiography. Frontiers in Neuroanatomy, 2021, 15, 785249.	0.9	4
18	Interpretation of OCT and OCTA images from a histological approach: Clinical and experimental implications. Progress in Retinal and Eye Research, 2020, 77, 100828.	7.3	77

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19	CHANGES IN TOTAL AND INNER RETINAL THICKNESSES IN TYPE 1 DIABETES WITH NO RETINOPATHY AFTER 8 YEARS OF FOLLOW-UP. Retina, 2020, 40, 1379-1386.	1.0	22
20	Gradual Increase in Environmental Light Intensity Induces Oxidative Stress and Inflammation and Accelerates Retinal Neurodegeneration. , 2020, 61, 1.		23
21	Dopaminergic Retinal Cell Loss and Visual Dysfunction in Parkinson Disease. Annals of Neurology, 2020, 88, 893-906.	2.8	52
22	Epigallocatechin Gallate Slows Retinal Degeneration, Reduces Oxidative Damage, and Modifies Circadian Rhythms in P23H Rats. Antioxidants, 2020, 9, 718.	2.2	14
23	Role of GUCA1C in Primary Congenital Glaucoma and in the Retina: Functional Evaluation in Zebrafish. Genes, 2020, 11, 550.	1.0	10
24	Retinal Organoids derived from hiPSCs of an AIPL1-LCA Patient Maintain Cytoarchitecture despite Reduced levels of Mutant AIPL1. Scientific Reports, 2020, 10, 5426.	1.6	39
25	Deleterious Effect of NMDA Plus Kainate on the Inner Retinal Cells and Ganglion Cell Projection of the Mouse. International Journal of Molecular Sciences, 2020, 21, 1570.	1.8	15
26	Tracing the retina to analyze the integrity and phagocytic capacity of the retinal pigment epithelium. Scientific Reports, 2020, 10, 7273.	1.6	12
27	Choroidal Changes of Long-Term Type 1 Diabetic Patients without Retinopathy. Diagnostics, 2020, 10, 235.	1.3	7
28	Photosensitive Melanopsin-Containing Retinal Ganglion Cells in Health and Disease: Implications for Circadian Rhythms. International Journal of Molecular Sciences, 2019, 20, 3164.	1.8	36
29	Norgestrel, a Progesterone Analogue, Promotes Significant Long-Term Neuroprotection of Cone Photoreceptors in a Mouse Model of Retinal Disease. , 2019, 60, 3221.		14
30	Melanopsin+RGCs Are fully Resistant to NMDA-Induced Excitotoxicity. International Journal of Molecular Sciences, 2019, 20, 3012.	1.8	18
31	The Absence of Toll-Like Receptor 4 Mildly Affects the Structure and Function in the Adult Mouse Retina. Frontiers in Cellular Neuroscience, 2019, 13, 59.	1.8	10
32	Retinal Î±-synuclein deposits in Parkinsonâ€™s disease patients and animal models. Acta Neuropathologica, 2019, 137, 379-395.	3.9	79
33	Metalâ€“Organic Frameworks as Drug Delivery Platforms for Ocular Therapeutics. ACS Applied Materials & Interfaces, 2019, 11, 1924-1931.	4.0	73
34	Cannabinoid-mediated retinal rescue correlates with improved circadian parameters in retinal dystrophic rats. Experimental Eye Research, 2019, 180, 192-199.	1.2	4
35	Systemic inflammation induced by lipopolysaccharide aggravates inherited retinal dystrophy. Cell Death and Disease, 2018, 9, 350.	2.7	55
36	Cellular Characterization of OCT and Outer Retinal Bands Using Specific Immunohistochemistry Markers and Clinical Implications. Ophthalmology, 2018, 125, 407-422.	2.5	96

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37	Degeneration of human photosensitive retinal ganglion cells may explain sleep and circadian rhythms disorders in Parkinsonâ€™s disease. Acta Neuropathologica Communications, 2018, 6, 90.	2.4	56
38	Reply. Ophthalmology, 2018, 125, e48-e49.	2.5	4
39	Retinal Vascular Degeneration in the Transgenic P23H Rat Model of Retinitis Pigmentosa. Frontiers in Neuroanatomy, 2018, 12, 55.	0.9	22
40	Phosphorylated Î±â€synuclein in the retina is a biomarker of Parkinson's disease pathology severity. Movement Disorders, 2018, 33, 1315-1324.	2.2	113
41	New Nrf2-Inducer Compound ITH12674 Slows the Progression of Retinitis Pigmentosa in the Mouse Model rd10. Cellular Physiology and Biochemistry, 2018, 54, 142-159.	1.1	18
42	CHAPTER 1. The Cellular Course of Retinal Degenerative Conditions. RSC Drug Discovery Series, 2018, , 1-30.	0.2	1
43	Pathologic confirmation of retinal ganglion cell loss in multiple system atrophy. Neurology, 2017, 88, 2233-2235.	1.5	11
44	Loss of Melanopsin-Expressing Ganglion Cell Subtypes and Dendritic Degeneration in the Aging Human Retina. Frontiers in Aging Neuroscience, 2017, 9, 79.	1.7	68
45	Early Events in Retinal Degeneration Caused by Rhodopsin Mutation or Pigment Epithelium Malfunction: Differences and Similarities. Frontiers in Neuroanatomy, 2017, 11, 14.	0.9	51
46	Controlled delivery of tauroursodeoxycholic acid from biodegradable microspheres slows retinal degeneration and vision loss in P23H rats. PLoS ONE, 2017, 12, e0177998.	1.1	39
47	Progesterone Attenuates Microglial-Driven Retinal Degeneration and Stimulates Protective Fractalkine-CX3CR1 Signaling. PLoS ONE, 2016, 11, e0165197.	1.1	44
48	Immunosuppression, peripheral inflammation and invasive infection from endogenous gut microbiota activate retinal microglia in mouse models. Microbiology and Immunology, 2016, 60, 617-625.	0.7	7
49	p75^{NTR} and Its Ligand ProNGF Activate Paracrine Mechanisms Etiological to the Vascular, Inflammatory, and Neurodegenerative Pathologies of Diabetic Retinopathy. Journal of Neuroscience, 2016, 36, 8826-8841.	1.7	58
50	Persistent inflammatory state after photoreceptor loss in an animal model of retinal degeneration. Scientific Reports, 2016, 6, 33356.	1.6	47
51	Identification of the Photoreceptor Transcriptional Co-Repressor SAMD11 as Novel Cause of Autosomal Recessive Retinitis Pigmentosa. Scientific Reports, 2016, 6, 35370.	1.6	13
52	Long time remodeling during retinal degeneration evaluated by optical coherence tomography, immunocytochemistry and fundus autofluorescence. Experimental Eye Research, 2016, 150, 122-134.	1.2	24
53	Abnormal activity of corneal cold thermoreceptors underlies the unpleasant sensations in dry eye disease. Pain, 2016, 157, 399-417.	2.0	86
54	Age-related changes in photosensitive melanopsin-expressing retinal ganglion cells correlate with circadian rhythm impairments in sighted and blind rats. Chronobiology International, 2016, 33, 374-391.	0.9	27

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55	Expression and cellular localization of the voltage-gated calcium channel Î±2Î´3in the rodent retina. Journal of Comparative Neurology, 2015, 523, Spc1-Spc1.	0.9	0
56	Human iPSC derived disease model of MERTK-associated retinitis pigmentosa. Scientific Reports, 2015, 5, 12910.	1.6	47
57	Expression and cellular localization of the voltageâ€gated calcium channel Î±₂Î´₃ in the rodent retina. Journal of Comparative Neurology, 2015, 523, 1443-1460.	0.9	13
58	Natural Compounds from Saffron and Bear Bile Prevent Vision Loss and Retinal Degeneration. Molecules, 2015, 20, 13875-13893.	1.7	35
59	Astrocytes and MÃ¼ller Cell Alterations During Retinal Degeneration in a Transgenic Rat Model of Retinitis Pigmentosa. Frontiers in Cellular Neuroscience, 2015, 9, 484.	1.8	86
60	Inherited Photoreceptor Degeneration Causes the Death of Melanopsin-Positive Retinal Ganglion Cells and Increases Their Coexpression of Brn3a. , 2015, 56, 4592.		38
61	Assessment of Visual and Chromatic Functions in a Rodent Model of Retinal Degeneration. , 2015, 56, 6275.		8
62	Reply. American Journal of Ophthalmology, 2015, 159, 818-819.	1.7	1
63	Whole-exome sequencing reveals ZNF408 as a new gene associated with autosomal recessive retinitis pigmentosa with vitreal alterations. Human Molecular Genetics, 2015, 24, 4037-4048.	1.4	41
64	Neuroprotective Effect of Tauroursodeoxycholic Acid on N-Methyl-D-Aspartate-Induced Retinal Ganglion Cell Degeneration. PLoS ONE, 2015, 10, e0137826.	1.1	29
65	Optical Coherence Tomography and Fundus Autofluorescence evaluation in an animal model of Retinal Degeneration. Acta Ophthalmologica, 2015, 93, n/a-n/a.	0.6	0
66	Correlation between SD-OCT, immunocytochemistry and functional findings in an animal model of retinal degeneration. Frontiers in Neuroanatomy, 2014, 8, 151.	0.9	55
67	Microglia activation in a model of retinal degeneration and TUDCA neuroprotective effects. Journal of Neuroinflammation, 2014, 11, 186.	3.1	81
68	Cellular responses following retinal injuries and therapeutic approaches for neurodegenerative diseases. Progress in Retinal and Eye Research, 2014, 43, 17-75.	7.3	338
69	Neuroprotective effects of the cannabinoid agonist HU210 on retinal degeneration. Experimental Eye Research, 2014, 120, 175-185.	1.2	52
70	Optimization of the synthesis procedure of microparticles containing gold for the selective oxidation of glycerol. Applied Catalysis A: General, 2014, 472, 11-20.	2.2	20
71	Retinal Microglia Are Activated by Systemic Fungal Infection. , 2014, 55, 3578.		26
72	Loss of Outer Retinal Neurons and Circuitry Alterations in the DBA/2J Mouse. , 2014, 55, 6059.		48

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73	Phosphorylated Î±-synuclein-immunoreactive retinal neuronal elements in Parkinson's disease subjects. Neuroscience Letters, 2014, 571, 34-38.	1.0	115
74	Choroidal Thickness and Volume in Healthy Young White Adults and the Relationships between them and Axial Length, Ammetropy and Sex. American Journal of Ophthalmology, 2014, 158, 574-583.e1.	1.7	94
75	Characterization of a new murine retinal cell line (MU-PH1) with glial, progenitor and photoreceptor characteristics. Experimental Eye Research, 2013, 110, 125-135.	1.2	8
76	The Ubiquitinâ€"Proteasome System in Retinal Health and Disease. Molecular Neurobiology, 2013, 47, 790-810.	1.9	87
77	SIRCOVA-OFTARED Congress Abstracts, Valencia, June 6-8, 2013. Ophthalmic Research, 2013, 50, 27-53.	1.0	4
78	Phagocytosis of Photoreceptor Outer Segments by Transplanted Human Neural Stem Cells as a Neuroprotective Mechanism in Retinal Degeneration. , 2013, 54, 6745.		49
79	Impairment of Intrinsically Photosensitive Retinal Ganglion Cells Associated With Late Stages of Retinal Degeneration. , 2013, 54, 4605.		36
80	Changes in the Photoreceptor Mosaic of P23H-1 Rats During Retinal Degeneration: Implications for Rod-Cone Dependent Survival. , 2013, 54, 5888.		61
81	Alterations in Energy Metabolism, Neuroprotection and Visual Signal Transduction in the Retina of Parkinsonian, MPTP-Treated Monkeys. PLoS ONE, 2013, 8, e74439.	1.1	30
82	Fundus autofluorescence, OCT thickness evaluation, angiography and immunohistochemistry correlation in albino P23H rats. Acta Ophthalmologica, 2013, 91, 0-0.	0.6	0
83	Correlation between SD-OCT, immunocytochemistry and functional findings in an animal model of retinal degeneration. Acta Ophthalmologica, 2013, 91, 0-0.	0.6	0
84	Circadian Dysfunction in a Rotenone-Induced Parkinsonian Rodent Model. Chronobiology International, 2012, 29, 147-156.	0.9	28
85	Partial Rescue of Retinal Function in Chronically Hypoglycemic Mice. , 2012, 53, 915.		5
86	OPTICAL COHERENCE TOMOGRAPHY IN RETINITIS PIGMENTOSA. Retina, 2012, 32, 1581-1591.	1.0	86
87	OPTICAL COHERENCE TOMOGRAPHY IN RETINITIS PIGMENTOSA. Retina, 2012, Publish Ahead of Print, .	1.0	2
88	Time course modifications in organotypic culture of human neuroretina. Experimental Eye Research, 2012, 104, 26-38.	1.2	54
89	Proinsulin Slows Retinal Degeneration and Vision Loss in the P23H Rat Model of Retinitis Pigmentosa. Human Gene Therapy, 2012, 23, 1290-1300.	1.4	33
90	Safranal, a Saffron Constituent, Attenuates Retinal Degeneration in P23H Rats. PLoS ONE, 2012, 7, e43074.	1.1	70

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91	Age-related functional and structural retinal modifications in the Igf1â^'/â^' null mouse. Neurobiology of Disease, 2012, 46, 476-485.	2.1	35
92	Overexpression of Guanylate Cyclase Activating Protein 2 in Rod Photoreceptors In Vivo Leads to Morphological Changes at the Synaptic Ribbon. PLoS ONE, 2012, 7, e42994.	1.1	14
93	Circadian dysfunction in P23H rhodopsin transgenic rats: effects of exogenous melatonin. Journal of Pineal Research, 2011, 50, 183-191.	3.4	30
94	Retinal degeneration in two lines of transgenic S334ter rats. Experimental Eye Research, 2011, 92, 227-237.	1.2	45
95	Rotenone induces degeneration of photoreceptors and impairs the dopaminergic system in the rat retina. Neurobiology of Disease, 2011, 44, 102-115.	2.1	47
96	Tauroursodeoxycholic Acid Prevents Retinal Degeneration in Transgenic P23H Rats. , 2011, 52, 4998.		81
97	Immunohistochemical Evidence of Synaptic Retraction, Cytoarchitectural Remodeling, and Cell Death in the Inner Retina of the Rat Model of Oygen-Induced Retinopathy (OIR). , 2011, 52, 1693.		30
98	Evidence of alpha 7 nicotinic acetylcholine receptor expression in retinal pigment epithelial cells. Visual Neuroscience, 2010, 27, 139-147.	0.5	24
99	Changes in the inner and outer retinal layers after acute increase of the intraocular pressure in adult albino Swiss mice. Experimental Eye Research, 2010, 91, 273-285.	1.2	84
100	Retinal ganglion cell numbers and delayed retinal ganglion cell death in the P23H rat retina. Experimental Eye Research, 2010, 91, 800-810.	1.2	79
101	Expression in the mammalian retina of parkin and UCH-L1, two components of the ubiquitin-proteasome system. Brain Research, 2010, 1352, 70-82.	1.1	42
102	Intraretinal processing following photoreceptor rescue by non-retinal cells. Vision Research, 2009, 49, 2067-2077.	0.7	18
103	Gradual morphogenesis of retinal neurons in the peripheral retinal margin of adult monkeys and humans. Journal of Comparative Neurology, 2008, 511, 557-580.	0.9	60
104	Functional and structural modifications during retinal degeneration in the rd10 mouse. Neuroscience, 2008, 155, 698-713.	1.1	179
105	A Novel Isoform of Acetylcholinesterase Exacerbates Photoreceptors Death after Photic Stress. , 2007, 48, 1290.		27
106	Preservation of outer retina and its synaptic connectivity following subretinal injections of human RPE cells in the Royal College of Surgeons rat. Experimental Eye Research, 2007, 85, 381-392.	1.2	53
107	Alpha synuclein gene expression profile in the retina of vertebrates. Molecular Vision, 2007, 13, 949-61.	1.1	57
108	Early changes in synaptic connectivity following progressive photoreceptor degeneration in RCS rats. European Journal of Neuroscience, 2005, 22, 1057-1072.	1.2	138

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109	Morphological impairments in retinal neurons of the scotopic visual pathway in a monkey model of Parkinson's disease. Journal of Comparative Neurology, 2005, 493, 261-273.	0.9	55
110	Developmental regulation of calcium-dependent feedback in Xenopus rods. Journal of General Physiology, 2004, 124, 569-585.	0.9	9
111	Regressive and reactive changes in the connectivity patterns of rod and cone pathways of P23H transgenic rat retina. Neuroscience, 2004, 127, 301-317.	1.1	159
112	Choline acetyltransferase is expressed by non-starburst amacrine cells in the ground squirrel retina. Brain Research, 2003, 964, 21-30.	1.1	23
113	Identification and Light-Dependent Translocation of a Cone-Specific Antigen, Cone Arrestin, Recognized by Monoclonal Antibody 7G6. , 2003, 44, 2858.		57
114	Colour Mathematical Morphology For Neural Image Analysis. Real Time Imaging, 2002, 8, 455-465.	1.6	27
115	A new look at calretinin-immunoreactive amacrine cell types in the monkey retina. Journal of Comparative Neurology, 2002, 453, 168-184.	0.9	64
116	Membrane properties of an unusual intrinsically oscillating, wideâ€field teleost retinal amacrine cell. Journal of Physiology, 2002, 544, 831-847.	1.3	32
117	The neurons of the ground squirrel retina as revealed by immunostains for calcium binding proteins and neurotransmitters. Journal of Neurocytology, 2002, 31, 649-666.	1.6	51
118	Chapter 2 Comparative anatomy of major retinal pathways in the eyes of nocturnal and diurnal mammals. Progress in Brain Research, 2001, 131, 27-52.	0.9	15
119	Chapter 1 Cellular organization of the vertebrate retina. Progress in Brain Research, 2001, 131, 3-26.	0.9	49
120	Localization of neurotransmitters and calcium binding proteins to neurons of salamander and mudpuppy retinas. Vision Research, 2001, 41, 1771-1783.	0.7	58
121	Choline acetyltransferase is found in terminals of horizontal cells that label with GABA, nitric oxide synthase and calcium binding proteins in the turtle retina11Published on the World Wide Web on 22 August 2000.. Brain Research, 2000, 878, 228-239.	1.1	26
122	Morphological and neurochemical diversity of neuronal nitric oxide synthase-positive amacrine cells in the turtle retina. Cell and Tissue Research, 2000, 302, 11-19.	1.5	28
123	Endothelial nitric oxide synthase (eNOS) is localized to MÃ¼ller cells in all vertebrate retinas. Vision Research, 1999, 39, 2299-2303.	0.7	59
124	Circuitry and role of substance P-immunoreactive neurons in the primate retina. Journal of Comparative Neurology, 1998, 393, 439-456.	0.9	30
125	Formation and dissolution of spinules and changes in nematosome size require optic nerve integrity in black bass (Micropterus salmoides) retina. Brain Research, 1996, 707, 213-220.	1.1	8
126	Substance P-immunoreactive neurons in the human retina. Journal of Comparative Neurology, 1995, 356, 491-504.	0.9	33

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127	Two types of mitochondria are evidenced by protein kinase C immunoreactivity in the MÃ¼ller cells of the carp retina. Neuroscience Letters, 1995, 183, 202-205.	1.0	13
128	A compiled BASIC program for analysis of spatial point patterns: application to retinal studies. Journal of Neuroscience Methods, 1993, 50, 1-15.	1.3	21
129	Dendrites of rod dominant ON-bipolar cells are coupled by gap junctions in carp retina. Neuroscience Letters, 1993, 162, 34-38.	1.0	17
130	Visual experience during postnatal development determines the size of optic nerve axons. NeuroReport, 1993, 5, 365.	0.6	6
131	Axon types classified by morphometric and multivariate analysis in the rat optic nerve. Brain Research, 1992, 585, 431-434.	1.1	8
132	A useful programme in BASIC for axonal morphometry with introduction of new cytoskeletal parameters. Journal of Neuroscience Methods, 1991, 39, 271-289.	1.3	17
133	Postembedding immunocytochemistry for GABA and glycine reveals the synaptic relationships of the dopaminergic amacrine cell of the cat retina. Journal of Comparative Neurology, 1991, 310, 267-284.	0.9	71
134	The synaptic organization of the dopaminergic amacrine cell in the cat retina. Journal of Neurocytology, 1990, 19, 343-366.	1.6	115
135	Development of morphological types and distribution patterns of amacrine cells immunoreactive to tyrosine hydroxylase in the cat retina. Visual Neuroscience, 1990, 4, 159-175.	0.5	37
136	Distribution of immunoreactivity to protein kinase C in the turtle retina. Brain Research, 1990, 532, 278-287.	1.1	17
137	Morphology and distribution of neurons immunoreactive for substance P in the turtle retina. Journal of Comparative Neurology, 1989, 290, 391-411.	0.9	26
138	Postnatal development of microtubules and neurofilaments in the rat optic nerve: A quantitative study. Journal of Comparative Neurology, 1987, 263, 613-617.	0.9	15