Antonino Cattaneo

List of Publications by Year
in descending order

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209	10,852	28242	38368
papers	citations	55 h-index	95 g-index

216	216	216	10249
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Getting Into the Brain: The Intranasal Approach to Enhance the Delivery of Nerve Growth Factor and Its Painless Derivative in Alzheimerâ€™s Disease and Down Syndrome. Frontiers in Neuroscience, 2022, 16, 773347.	1.4	5
2	Editorial: From Whole-Cell to Single Synapse Engrams - Breaking the Code for Memory Formation, Storage and Recall. Frontiers in Molecular Neuroscience, 2022, 15, 845516.	1.4	1
3	A Microglial Function for the Nerve Growth Factor: Predictions of the Unpredictable. Cells, 2022, 11, 1835.	1.8	3
4	Targeting the Cation-Chloride Co-Transporter NKCC1 to Re-Establish GABAergic Inhibition and an Appropriate Excitatory/Inhibitory Balance in Selective Neuronal Circuits: A Novel Approach for the Treatment of Alzheimerâ€™s Disease. Brain Sciences, 2022, 12, 783.	1.1	5
5	Untangling the Conformational Plasticity of V66M Human proBDNF Polymorphism as a Modifier of Psychiatric Disorder Susceptibility. International Journal of Molecular Sciences, 2022, 23, 6596.	1.8	2
6	Intranasal delivery of BDNF rescues memory deficits in AD11 mice and reduces brain microgliosis. Aging Clinical and Experimental Research, 2021, 33, 1223-1238.	1.4	23
7	Nerve Growth Factor Neutralization Promotes Oligodendrogenesis by Increasing miR-219a-5p Levels. Cells, 2021, 10, 405.	1.8	7
8	A Quantitative Bioassay to Determine the Inhibitory Potency of NGFâ€“TrkA Antagonists. SLAS Discovery, 2021, 26, 823-830.	1.4	1
9	Understanding pain perception through genetic painlessness diseases: The role of NGF and proNGF. Pharmacological Research, 2021, 169, 105662.	3.1	9
10	Non-Canonical Roles of Tau and Their Contribution to Synaptic Dysfunction. International Journal of Molecular Sciences, 2021, 22, 10145.	1.8	8
11	proNGF Measurement in Cerebrospinal Fluid Samples of a Large Cohort of Living Patients With Alzheimer's Disease by a New Automated Immunoassay. Frontiers in Aging Neuroscience, 2021, 13, 741414.	1.7	2
12	Selection and Modelling of a New Single-Domain Intrabody Against TDP-43. Frontiers in Molecular Biosciences, 2021, 8, 773234.	1.6	3
13	Impaired adult neurogenesis is an early event in Alzheimerâ€™s disease neurodegeneration, mediated by intracellular AÎ² oligomers. Cell Death and Differentiation, 2020, 27, 934-948.	5.0	97
14	Tuning GABAergic Inhibition: Gephyrin Molecular Organization and Functions. Neuroscience, 2020, 439, 125-136.	1.1	37
15	Protein Structural Information and Evolutionary Landscape by In Vitro Evolution. Molecular Biology and Evolution, 2020, 37, 1179-1192.	3.5	24
16	Effect of Chemical Vapor Deposition WS2 on Viability and Differentiation of SH-SY5Y Cells. Frontiers in Neuroscience, 2020, 14, 592502.	1.4	12
17	Neuronal Activity at Synapse Resolution: Reporters and Effectors for Synaptic Neuroscience. Frontiers in Molecular Neuroscience, 2020, 13, 572312.	1.4	10
18	Fluorolabeling of the PPTase-Related Chemical Tags: Comparative Study of Different Membrane Receptors and Different Fluorophores in the Labeling Reactions. Frontiers in Molecular Biosciences, 2020, 7, 195.	1.6	10

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19	Computational Modeling of Inhibitory Transsynaptic Signaling in Hippocampal and Cortical Neurons Expressing Intrabodies Against Gephyrin. Frontiers in Cellular Neuroscience, 2020, 14, 173.	1.8	2
20	Cortical Seizures in FoxG1+/â˜’ Mice are Accompanied by Akt/S6 Overactivation, Excitation/Inhibition Imbalance and Impaired Synaptic Transmission. International Journal of Molecular Sciences, 2019, 20, 4127.	1.8	16
21	Tau Modulates VGluT1 Expression. Journal of Molecular Biology, 2019, 431, 873-884.	2.0	35
22	ProNGF Is a Cell-Type-Specific Mitogen for Adult Hippocampal and for Induced Neural Stem Cells. Stem Cells, 2019, 37, 1223-1237.	1.4	10
23	Fast-diffusing p75 ^{NTR} monomers support apoptosis and growth cone collapse by neurotrophin ligands. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21563-21572.	3.3	45
24	The NGF^{R100W}Mutation Specifically Impairs Nociception without Affecting Cognitive Performance in a Mouse Model of Hereditary Sensory and Autonomic Neuropathy Type V. Journal of Neuroscience, 2019, 39, 9702-9715.	1.7	18
25	Modulation of Tau Subcellular Localization as a Tool to Investigate the Expression of Disease-related Genes. Journal of Visualized Experiments, 2019, , .	0.2	6
26	Targeting the Post-translational Proteome with Intrabodies. Trends in Biotechnology, 2019, 37, 578-591.	4.9	12
27	Painless Nerve Growth Factor: A TrkA biased agonist mediating a broad neuroprotection via its actions on microglia cells. Pharmacological Research, 2019, 139, 17-25.	3.1	32
28	The Structure of the Pro-domain of Mouse proNGF in Contact with the NGF Domain. Structure, 2019, 27, 78-89.e3.	1.6	15
29	Cholinergic striatal neurons are increased in HSAN V homozygous mice despite reduced NGF bioavailability. Biochemical and Biophysical Research Communications, 2019, 509, 763-766.	1.0	6
30	A triheptanoin-supplemented diet rescues hippocampal hyperexcitability and seizure susceptibility in FoxG1 mice. Neuropharmacology, 2019, 148, 305-310.	2.0	12
31	<scp>NGF</scp> steers microglia toward a neuroprotective phenotype. Glia, 2018, 66, 1395-1416.	2.5	72
32	The retina as a window to early dysfunctions of Alzheimer's disease following studies with a 5xFAD mouse model. Neurobiology of Aging, 2018, 67, 181-188.	1.5	51
33	Site-Specific Direct Labeling of Neurotrophins and Their Receptors: From Biochemistry to Advanced Imaging Applications. Methods in Molecular Biology, 2018, 1727, 295-314.	0.4	14
34	Mining clinical and laboratory data of neurodegenerative diseases by Machine Learning: transcriptomic biomarkers. , 2018, , .		2
35	Post-translational selective intracellular silencing of acetylated proteins with de novo selected intrabodies. Nature Methods, 2017, 14, 279-282.	9.0	16
36	Increased cytoplasmic TDP-43 reduces global protein synthesis by interacting with RACK1 on polyribosomes. Human Molecular Genetics, 2017, 26, 1407-1418.	1.4	78

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37	The chemokine CXCL12 mediates the anti-amyloidogenic action of painless human nerve growth factor. Brain, 2017, 140, 201-217.	3.7	34
38	Activity-dependent expression of Channelrhodopsin at neuronal synapses. Nature Communications, 2017, 8, 1629.	5.8	21
39	An Optimized Procedure for the Site-Directed Labeling of NGF and proNGF for Imaging Purposes. Frontiers in Molecular Biosciences, 2017, 4, 4.	1.6	17
40	ProNGF Drives Localized and Cell Selective Parvalbumin Interneuron and Perineuronal Net Depletion in the Dentate Gyrus of Transgenic Mice. Frontiers in Molecular Neuroscience, 2017, 10, 20.	1.4	10
41	Assessment of antibody library diversity through next generation sequencing and technical error compensation. PLoS ONE, 2017, 12, e0177574.	1.1	17
42	Conformational Rigidity within Plasticity Promotes Differential Target Recognition of Nerve Growth Factor. Frontiers in Molecular Biosciences, 2016, 3, 83.	1.6	10
43	NGF and proNGF Reciprocal Interference in Immunoassays: Open Questions, Criticalities, and Ways Forward. Frontiers in Molecular Neuroscience, 2016, 9, 63.	1.4	20
44	Intranasal but not intraparenchimal delivery of painless nerve growth factor rescues memory deficits in a mouse model of Alzheimerâ€™s disease by targeting glial cells and reducing amyloid deposition through enhancement of neuronal SDF-1Î±. Neurobiology of Aging, 2016, 39, S19-S20.	1.5	0
45	Intrabodies targeting AMYLOID-Î² oligomers in the endoplasmic reticulum: preclinical evidences for new twist in immunotherapy. Neurobiology of Aging, 2016, 39, S22.	1.5	0
46	Single Molecule Imaging and Tracking of Neurotrophins and their Receptors in Living Neuronal Cells. Biophysical Journal, 2016, 110, 371a.	0.2	0
47	Precursor and mature NGF live tracking: one versus many at a time in the axons. Scientific Reports, 2016, 6, 20272.	1.6	21
48	Ligand Fingerprinting in the Membrane Dynamics of Single TrkA and P75NTR Neurotrophin Receptors. Biophysical Journal, 2015, 108, 207a-208a.	0.2	0
49	New strategies to address the pharmacodynamics and pharmacokinetics of tumor necrosis factor (TNF) inhibitors: A systematic analysis. Autoimmunity Reviews, 2015, 14, 812-829.	2.5	28
50	The Conundrum of the High-Affinity NGF Binding Site Formation Unveiled?. Biophysical Journal, 2015, 108, 687-697.	0.2	20
51	A comparative analysis of the structural, functional and biological differences between Mouse and Human Nerve Growth Factor. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 187-197.	1.1	22
52	Ligand-Induced Dynamics of Neurotrophin Receptors Investigated by Single-Molecule Imaging Approaches. International Journal of Molecular Sciences, 2015, 16, 1949-1979.	1.8	20
53	Time dynamics of protein complexes in the AD11 transgenic mouse model for Alzheimerâ€™s disease like pathology. BMC Neuroscience, 2015, 16, 28.	0.8	2
54	TIMP3 interplays with apelin to regulate cardiovascular metabolism in hypercholesterolemic mice. Molecular Metabolism, 2015, 4, 741-752.	3.0	23

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55	Functional Characterization of Human ProNGF and NGF Mutants: Identification of NGF P61SR100E as a â€œPainlessâ€•Lead Investigational Candidate for Therapeutic Applications. PLoS ONE, 2015, 10, e0136425.	1.1	32
56	Site-Specific Labeling of Neurotrophins and Their Receptors via Short and Versatile Peptide Tags. PLoS ONE, 2014, 9, e113708.	1.1	31
57	Neurotrophin and endocannabinoid interactions in the neurobiology of pain. European Journal of Neuroscience, 2014, 39, 331-333.	1.2	1
58	Conformational targeting of intracellular AÎ² oligomers demonstrates their pathological oligomerization inside the endoplasmic reticulum. Nature Communications, 2014, 5, 3867.	5.8	49
59	Neutralization of Nerve Growth Factor Impairs Proliferation and Differentiation of Adult Neural Progenitors in the Subventricular Zone. Stem Cells, 2014, 32, 2516-2528.	1.4	30
60	proNGF/NGF mixtures induce gene expression changes in PC12 cells that neither singly produces. BMC Neuroscience, 2014, 15, 48.	0.8	11
61	Amyloid Plaque-Independent Deficit of Early Postnatal Visual Cortical Plasticity in the 5XFAD Transgenic Model of Alzheimer's Disease. Journal of Alzheimer's Disease, 2014, 42, 103-107.	1.2	10
62	Rita Levi-Montalcini: The story of an uncommon intellect and spirit. Neuroscience, 2013, 252, 431-437.	1.1	5
63	Characterization of Mitochondrial Dysfunction in the 7PA2 Cell Model of Alzheimer's Disease. Journal of Alzheimer's Disease, 2013, 37, 747-758.	1.2	30
64	ProNGFNGF imbalance triggers learning and memory deficits, neurodegeneration and spontaneous epileptic-like discharges in transgenic mice. Cell Death and Differentiation, 2013, 20, 1017-1030.	5.0	62
65	Dissecting the role of sortilin receptor signaling in neurodegeneration induced by NGF deprivation. Biochemical and Biophysical Research Communications, 2013, 431, 579-585.	1.0	22
66	Remembering Michael S Neuberger (1953-2013). EMBO Journal, 2013, 32, 3112-3113.	3.5	0
67	Immunosympathectomy as the first phenotypic knockout with antibodies. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4877-4885.	3.3	4
68	Ligand signature in the membrane dynamics of single TrkA receptor molecules. Journal of Cell Science, 2013, 126, 4445-4456.	1.2	46
69	TAp73 knockout mice show morphological and functional nervous system defects associated with loss of p75 neurotrophin receptor. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18952-18957.	3.3	49
70	Nerve growth factor scales endocannabinoid signaling by regulating monoacylglycerol lipase turnover in developing cholinergic neurons. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1935-1940.	3.3	41
71	Gene Expression Changes in the Motor Cortex Mediating Motor Skill Learning. PLoS ONE, 2013, 8, e61496.	1.1	19
72	IGF-1 Restores Visual Cortex Plasticity in Adult Life by Reducing Local GABA Levels. Neural Plasticity, 2012, 2012, 1-10.	1.0	51

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73	Nerve growth factor regulates axial rotation during early stages of chick embryo development. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2009-2014.	3.3	36
74	Bystander Effect on Brain Tissue of Mesoangioblasts Producing Neurotrophins. Cell Transplantation, 2012, 21, 1613-1627.	1.2	3
75	SorLA Deficiency Dissects Amyloid Pathology from Tau and Cholinergic Neurodegeneration in a Mouse Model of Alzheimer's Disease. Journal of Alzheimer's Disease, 2012, 33, 357-371.	1.2	13
76	Direct intracellular selection and biochemical characterization of a recombinant anti-proNGF single chain antibody fragment. Archives of Biochemistry and Biophysics, 2012, 522, 26-36.	1.4	9
77	Nerve Growth Factor and Alzheimer's Disease: New Facts for an Old Hypothesis. Molecular Neurobiology, 2012, 46, 588-604.	1.9	87
78	Single Cycle Structure-Based Humanization of an Anti-Nerve Growth Factor Therapeutic Antibody. PLoS ONE, 2012, 7, e32212.	1.1	8
79	RACK1 Is a Ribosome Scaffold Protein for Î²-actin mRNA/ZBP1 Complex. PLoS ONE, 2012, 7, e35034.	1.1	46
80	Intranasal â€œpainlessâ€•Human Nerve Growth Factors Slows Amyloid Neurodegeneration and Prevents Memory Deficits in App X PS1 Mice. PLoS ONE, 2012, 7, e37555.	1.1	60
81	Pathogen Free Conditions Slow the Onset of Neurodegeneration in a Mouse Model of Nerve Growth Factor Deprivation. Journal of Alzheimer's Disease, 2012, 31, 1-6.	1.2	21
82	Single particle tracking of acyl carrier protein (ACP)-tagged TrkA receptors in PC12nnr5 cells. Journal of Neuroscience Methods, 2012, 204, 82-86.	1.3	21
83	Intranasal delivery of therapeutic proteins for neurological diseases. Expert Opinion on Drug Delivery, 2011, 8, 1277-1296.	2.4	57
84	Gene Expression Biomarkers in the Brain of a Mouse Model for Alzheimer's Disease: Mining of Microarray Data by Logic Classification and Feature Selection. Journal of Alzheimer's Disease, 2011, 24, 721-738.	1.2	104
85	Early inflammation and immune response mRNAs in the brain of AD11 anti-NGF mice. Neurobiology of Aging, 2011, 32, 1007-1022.	1.5	23
86	NGF and proNGF Regulate Functionally Distinct mRNAs in PC12 Cells: An Early Gene Expression Profiling. PLoS ONE, 2011, 6, e20839.	1.1	18
87	Conformational Plasticity of proNGF. PLoS ONE, 2011, 6, e22615.	1.1	16
88	Taking Pain Out of NGF: A â€œPainlessâ€•NGF Mutant, Linked to Hereditary Sensory Autonomic Neuropathy Type V, with Full Neurotrophic Activity. PLoS ONE, 2011, 6, e17321.	1.1	84
89	Chapter 17. A New Generation of Noninvasive NGF-Based Therapies for Alzheimer's Disease. RSC Drug Discovery Series, 2010, , 43-77.	0.2	1
90	Peripheral Neutralization of Nerve Growth Factor Induces Immunosympathectomy and Central Neurodegeneration in Transgenic Mice. Journal of Alzheimer's Disease, 2010, 20, 527-546.	1.2	77

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91	Dissecting the involvement of tropomyosin-related kinase A and p75 neurotrophin receptor signaling in NGF deficit-induced neurodegeneration. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12299-12304.	3.3	73
92	In the Adult Hippocampus, Chronic Nerve Growth Factor Deprivation Shifts GABAergic Signaling from the Hyperpolarizing to the Depolarizing Direction. Journal of Neuroscience, 2010, 30, 885-893.	1.7	49
93	A NH2 Tau Fragment Targets Neuronal Mitochondria at AD Synapses: Possible Implications for Neurodegeneration. Journal of Alzheimer's Disease, 2010, 21, 445-470.	1.2	92
94	In vitro receptor binding properties of a â€œpainlessâ€•NGF mutein, linked to hereditary sensory autonomic neuropathy type V. Biochemical and Biophysical Research Communications, 2010, 391, 824-829.	1.0	47
95	Novel fluorescent cycloheximide derivatives for the imaging of protein synthesis. Biochemical and Biophysical Research Communications, 2010, 396, 258-264.	1.0	5
96	Transgenic Mice with Chronic NGF Deprivation and Alzheimer's Disease-Like Pathology Display Hippocampal Region-Specific Impairments in Short- and Long-Term Plasticities. Journal of Neuroscience, 2010, 30, 13089-13094.	1.7	45
97	Tanezumab, a recombinant humanized mAb against nerve growth factor for the treatment of acute and chronic pain. Current Opinion in Molecular Therapeutics, 2010, 12, 94-106.	2.8	58
98	AÎ²-Dependent Inhibition of LTP in Different Intracortical Circuits of the Visual Cortex: The Role of RAGE. Journal of Alzheimer's Disease, 2009, 17, 59-68.	1.2	50
99	Development of a Non Invasive NGF-Based Therapy for Alzheimers Disease. Current Alzheimer Research, 2009, 6, 158-170.	0.7	83
100	Intrinsic structural disorder of mouse proNGF. Proteins: Structure, Function and Bioinformatics, 2009, 75, 990-1009.	1.5	54
101	Direct in Vivo Intracellular Selection of Conformation-sensitive Antibody Domains Targeting Alzheimer's Amyloid-Î² Oligomers. Journal of Molecular Biology, 2009, 387, 584-606.	2.0	59
102	Delivery of NGF to the Brain: Intranasal versus Ocular Administration in Anti-NGF Transgenic Mice. Journal of Alzheimer's Disease, 2009, 16, 371-388.	1.2	52
103	Gephyrin Selective Intrabodies as a New Strategy for Studying Inhibitory Receptor Clustering. Journal of Molecular Neuroscience, 2008, 34, 141-148.	1.1	15
104	Identification of a caspase-derived N-terminal tau fragment in cellular and animal Alzheimer's disease models. Molecular and Cellular Neurosciences, 2008, 38, 381-392.	1.0	59
105	Dissecting NGF Interactions with TrkA and p75 Receptors by Structural and Functional Studies of an Anti-NGF Neutralizing Antibody. Journal of Molecular Biology, 2008, 381, 881-896.	2.0	43
106	In vivo selection of intrabodies specifically targeting proteinâ€“protein interactions: A general platform for an â€œundruggableâ€•class of disease targetsâ˜†. Journal of Biotechnology, 2008, 135, 1-15.	1.9	32
107	Receptor for Advanced Glycation End Product-Dependent Activation of p38 Mitogen-Activated Protein Kinase Contributes to Amyloid-Î²-Mediated Cortical Synaptic Dysfunction. Journal of Neuroscience, 2008, 28, 3521-3530.	1.7	189
108	Activation of the Amyloidogenic Route by NGF Deprivation Induces Apoptotic Death in PC12 Cells. Journal of Alzheimer's Disease, 2008, 13, 81-96.	1.2	80

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109	Towards Non Invasive Nerve Growth Factor Therapies for Alzheimer's Disease. Journal of Alzheimer's Disease, 2008, 15, 255-283.	1.2	87
110	Large Differences in Aging Phenotype between Strains of the Short-Lived Annual Fish Nothobranchius furzeri. PLoS ONE, 2008, 3, e3866.	1.1	162
111	The function neutralizing anti-TrkA antibody MNAC13 reduces inflammatory and neuropathic pain. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2985-2990.	3.3	115
112	Environmental Enrichment Delays the Onset of Memory Deficits and Reduces Neuropathological Hallmarks in a Mouse Model of Alzheimer-Like Neurodegeneration. Journal of Alzheimer's Disease, 2007, 11, 359-370.	1.2	100
113	A Protein Silencing Switch by Ligand-induced Proteasome-targeting Intrabodies. Journal of Molecular Biology, 2007, 374, 641-654.	2.0	33
114	Novel Class of Quinone-Bearing Polyamines as Multi-Target-Directed Ligands To Combat Alzheimer's Disease. Journal of Medicinal Chemistry, 2007, 50, 4882-4897.	2.9	125
115	A Small Molecule Targeting the Multifactorial Nature of Alzheimer's Disease. Angewandte Chemie - International Edition, 2007, 46, 3689-3692.	7.2	172
116	Molecular Simulation of the Binding of Nerve Growth Factor Peptide Mimics to the Receptor Tyrosine Kinase A. Biophysical Journal, 2006, 91, 2063-2071.	0.2	19
117	Time window in cholinomimetic ability to rescue long-term potentiation in neurodegenerating anti-nerve growth factor mice. Journal of Alzheimer's Disease, 2006, 9, 59-68.	1.2	18
118	Structural and functional properties of mouse proNGF. Biochemical Society Transactions, 2006, 34, 605-606.	1.6	24
119	Role of nerve growth factor and its receptors in non-nervous cancer growth: efficacy of a tyrosine kinase inhibitor (AG879) and neutralizing antibodies antityrosine kinase receptor A and antinerve growth factor: an in-vitro and in-vivo study. Anti-Cancer Drugs, 2006, 17, 929-941.	0.7	16
120	Failure of nicotine-dependent enhancement of synaptic efficacy at Schaffer-collateral CA1 synapses of AD11 anti-nerve growth factor transgenic mice. European Journal of Neuroscience, 2006, 24, 1252-1264.	1.2	27
121	Temperature affects longevity and age-related locomotor and cognitive decay in the short-lived fish Nothobranchius furzeri. Aging Cell, 2006, 5, 275-278.	3.0	167
122	Nicotine-induced enhancement of synaptic plasticity at CA3-CA1 synapses requires GABAergic interneurons in adult anti-NGF mice. Journal of Physiology, 2006, 576, 361-377.	1.3	35
123	On the Molecular Basis Linking Nerve Growth Factor (NGF) to Alzheimerâ€™s Disease. Cellular and Molecular Neurobiology, 2006, 26, 617-631.	1.7	98
124	Resveratrol Prolongs Lifespan and Retards the Onset of Age-Related Markers in a Short-Lived Vertebrate. Current Biology, 2006, 16, 296-300.	1.8	722
125	Parameter estimate of signal transduction pathways. BMC Neuroscience, 2006, 7, S6.	0.8	19
126	Annual fishes of the genus Nothobranchius as a model system for aging research. Aging Cell, 2005, 4, 223-233.	3.0	217

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127	Design and selection of an intrabody library produced de-novo for the non-structural protein NSP5 of rotavirus. Journal of Immunological Methods, 2005, 301, 31-40.	0.6	15
128	Differential Expression of Genes at Stages When Regeneration Can and Cannot Occur after Injury to Immature Mammalian Spinal Cord. Cellular and Molecular Neurobiology, 2005, 25, 407-426.	1.7	21
129	Apoptotic effect of caspase-3 cleaved tau in hippocampal neurons and its potentiation by tau FTDP-mutation N279K. Journal of Alzheimer's Disease, 2005, 7, 3-13.	1.2	63
130	Intranasal administration of nerve growth factor (NGF) rescues recognition memory deficits in AD11 anti-NGF transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3811-3816.	3.3	279
131	Neuronal activity regulates the developmental expression and subcellular localization of cortical BDNF mRNA isoforms in vivo. Molecular and Cellular Neurosciences, 2005, 28, 556-570.	1.0	123
132	Brain-Derived Neurotrophic Factor mRNA and Protein Are Targeted to Discrete Dendritic Laminas by Events That Trigger Epileptogenesis. Journal of Neuroscience, 2004, 24, 6842-6852.	1.7	130
133	Ganstigmine and donepezil improve neurodegeneration in AD11 antinerve growth factor transgenic mice. American Journal of Alzheimer's Disease and Other Dementias, 2004, 19, 153-160.	0.9	22
134	Nerve growth factor favours long-term depression over long-term potentiation in layer II-III neurones of rat visual cortex. Journal of Physiology, 2004, 559, 497-506.	1.3	9
135	Intracellular antibodies for proteomics. Journal of Immunological Methods, 2004, 290, 135-153.	0.6	54
136	Neutralization of NGF-TrkA receptor interaction by the novel antagonistic anti-TrkA monoclonal antibody MNAC13: A structural insight. Proteins: Structure, Function and Bioinformatics, 2004, 58, 717-727.	1.5	13
137	Purification, crystallization, X-ray diffraction analysis and phasing of a Fab fragment of monoclonal neuroantibody Î±D11 against nerve growth factor. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 1323-1327.	2.5	4
138	The intracellular antibody capture technology: towards the high-throughput selection of functional intracellular antibodies for target validation. Methods, 2004, 34, 200-214.	1.9	37
139	Effects of intrabodies specific for rotavirus NSP5 during the virus replicative cycle. Journal of General Virology, 2004, 85, 3285-3290.	1.3	57
140	Postnatal development of GFAP in mouse visual cortex is not affected by light deprivation. Glia, 2003, 41, 404-414.	2.5	12
141	Reaction mechanism of caspases: Insights from QM/MM Car-Parrinello simulations. Proteins: Structure, Function and Bioinformatics, 2003, 52, 212-224.	1.5	47
142	Molecular Dynamics Simulations of the NGF-TrkA Domain 5 Complex and Comparison with Biological Data. Biophysical Journal, 2003, 84, 2282-2292.	0.2	26
143	Nerve growth factor and galantamine ameliorate early signs of neurodegeneration in anti-nerve growth factor mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12432-12437.	3.3	204
144	Intracellular Single-Chain Variable Fragments Directed to the Src Homology 2 Domains of Syk Partially Inhibit FcÎµRI Signaling in the RBL-2H3 Cell Line. Journal of Immunology, 2002, 169, 2274-2283.	0.4	19

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145	Rat visual cortical neurones express TrkA NGF receptor. NeuroReport, 2002, 13, 1369-1373.	0.6	9
146	The intracellular antibody capture technology (IACT): towards a consensus sequence for intracellular antibodies. Journal of Molecular Biology, 2002, 317, 73-83.	2.0	130
147	Î²-Amyloid Plaques in a Model for Sporadic Alzheimer's Disease Based on Transgenic Anti-Nerve Growth Factor Antibodies. Molecular and Cellular Neurosciences, 2002, 21, 15-28.	1.0	95
148	The Neuronal Microtubule-Associated Protein Tau Is a Substrate for Caspase-3 and an Effector of Apoptosis. Journal of Neurochemistry, 2002, 75, 624-633.	2.1	178
149	Acute cholinergic rescue of synaptic plasticity in the neurodegenerating cortex of anti-nerve-growth-factor mice. European Journal of Neuroscience, 2002, 15, 1030-1036.	1.2	48
150	TRKB signalling controls the expression ofN-methyl-d-aspartate receptors in the visual cortex. European Journal of Neuroscience, 2002, 16, 1067-1074.	1.2	5
151	Role of Native-State Topology in the Stabilization of Intracellular Antibodies. Biophysical Journal, 2001, 81, 2935-2945.	0.2	10
152	Purification, crystallization and preliminary X-ray analysis of the Fab fragment from MNAC13, a novel antagonistic anti-tyrosine kinase A receptor monoclonal antibody. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 1307-1309.	2.5	6
153	Mismatch between BDNF mRNA and protein expression in the developing visual cortex: the role of visual experience. European Journal of Neuroscience, 2001, 13, 709-721.	1.2	55
154	Expressing Intracellular Single-Chain Fv Fragments in Mammalian Cells. , 2001, , 755-774.		0
155	Selecting Intracellular Antibodies Using the Two-Hybrid System. , 2001, , 213-233.		2
156	Muscular dystrophy in adult and aged anti-NGF transgenic mice resembles an inclusion body myopathy. , 2000, 59, 553-560.		33
157	Trk B signalling controls LTP but not LTD expression in the developing rat visual cortex. European Journal of Neuroscience, 2000, 12, 1411-1419.	1.2	34
158	Diverting a protein from its cellular location by intracellular antibodies. FEBS Journal, 2000, 267, 1196-1205.	0.2	62
159	Phenotypic Knockout of Nerve Growth Factor in Adult Transgenic Mice Reveals Severe Deficits in Basal Forebrain Cholinergic Neurons, Cell Death in the Spleen, and Skeletal Muscle Dystrophy. Journal of Neuroscience, 2000, 20, 2589-2601.	1.7	206
160	Brain-Derived Neurotrophic Factor (BDNF) Induces Dendritic Targeting of BDNF and Tyrosine Kinase B mRNAs in Hippocampal Neurons through a Phosphatidylinositol-3 Kinase-Dependent Pathway. Journal of Neuroscience, 2000, 20, 3165-3174.	1.7	108
161	Alzheimer-like neurodegeneration in aged antinerve growth factor transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 6826-6831.	3.3	274
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