

Antonino Cattaneo

List of Publications by Year in descending order

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209
papers

10,852
citations

28242

55
h-index

38368

95
g-index

216
all docs

216
docs citations

216
times ranked

10249
citing authors

#	ARTICLE	IF	CITATIONS
1	Resveratrol Prolongs Lifespan and Retards the Onset of Age-Related Markers in a Short-Lived Vertebrate. <i>Current Biology</i> , 2006, 16, 296-300.	1.8	722
2	Transgenic plants expressing a functional single-chain Fv antibody are specifically protected from virus attack. <i>Nature</i> , 1993, 366, 469-472.	13.7	417
3	Activity-Dependent Dendritic Targeting of BDNF and TrkB mRNAs in Hippocampal Neurons. <i>Journal of Neuroscience</i> , 1997, 17, 9492-9505.	1.7	324
4	Intranasal administration of nerve growth factor (NGF) rescues recognition memory deficits in AD11 anti-NGF transgenic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 3811-3816.	3.3	279
5	Alzheimer-like neurodegeneration in aged antinerve growth factor transgenic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 6826-6831.	3.3	274
6	Tau Cleavage and Dephosphorylation in Cerebellar Granule Neurons Undergoing Apoptosis. <i>Journal of Neuroscience</i> , 1998, 18, 7061-7074.	1.7	230
7	Annual fishes of the genus <i>Nothobranchius</i> as a model system for aging research. <i>Aging Cell</i> , 2005, 4, 223-233.	3.0	217
8	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. <i>Journal of Neuroscience</i> , 2000, 20, 2589-2601.	1.7	206
9	Nerve growth factor and galantamine ameliorate early signs of neurodegeneration in anti-nerve growth factor mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 12432-12437.	3.3	204
10	Receptor for Advanced Glycation End Product-Dependent Activation of p38 Mitogen-Activated Protein Kinase Contributes to Amyloid- β -Mediated Cortical Synaptic Dysfunction. <i>Journal of Neuroscience</i> , 2008, 28, 3521-3530.	1.7	189
11	The Neuronal Microtubule-Associated Protein Tau Is a Substrate for Caspase-3 and an Effector of Apoptosis. <i>Journal of Neurochemistry</i> , 2002, 75, 624-633.	2.1	178
12	Selection of antibodies for intracellular function using a two-hybrid in vivo system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 11723-11728.	3.3	174
13	A Small Molecule Targeting the Multifactorial Nature of Alzheimer's Disease. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3689-3692.	7.2	172
14	Redox State of Single Chain Fv Fragments Targeted to the Endoplasmic Reticulum, Cytosol and Mitochondria. <i>Bio/technology</i> , 1995, 13, 1110-1115.	1.9	170
15	Temperature affects longevity and age-related locomotor and cognitive decay in the short-lived fish <i>Nothobranchius furzeri</i> . <i>Aging Cell</i> , 2006, 5, 275-278.	3.0	167
16	An integrated vector system for the eukaryotic expression of antibodies or their fragments after selection from phage display libraries. <i>Gene</i> , 1997, 187, 9-18.	1.0	162
17	Large Differences in Aging Phenotype between Strains of the Short-Lived Annual Fish <i>Nothobranchius furzeri</i> . <i>PLoS ONE</i> , 2008, 3, e3866.	1.1	162
18	The selection of intracellular antibodies. <i>Trends in Biotechnology</i> , 1999, 17, 115-121.	4.9	140

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19	The intracellular antibody capture technology (IACT): towards a consensus sequence for intracellular antibodies. <i>Journal of Molecular Biology</i> , 2002, 317, 73-83.	2.0	130
20	Brain-Derived Neurotrophic Factor mRNA and Protein Are Targeted to Discrete Dendritic Laminas by Events That Trigger Epileptogenesis. <i>Journal of Neuroscience</i> , 2004, 24, 6842-6852.	1.7	130
21	Novel Class of Quinone-Bearing Polyamines as Multi-Target-Directed Ligands To Combat Alzheimer's Disease. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 4882-4897.	2.9	125
22	Neuronal activity regulates the developmental expression and subcellular localization of cortical BDNF mRNA isoforms in vivo. <i>Molecular and Cellular Neurosciences</i> , 2005, 28, 556-570.	1.0	123
23	The function neutralizing anti-TrkA antibody MNAC13 reduces inflammatory and neuropathic pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2985-2990.	3.3	115
24	Intracellular immunization: antibody targeting to subcellular compartments. <i>Trends in Cell Biology</i> , 1995, 5, 248-252.	3.6	108
25	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. <i>Journal of Neuroscience</i> , 2000, 20, 3165-3174.	1.7	108
26	Gene Expression Biomarkers in the Brain of a Mouse Model for Alzheimer's Disease: Mining of Microarray Data by Logic Classification and Feature Selection. <i>Journal of Alzheimer's Disease</i> , 2011, 24, 721-738.	1.2	104
27	Environmental Enrichment Delays the Onset of Memory Deficits and Reduces Neuropathological Hallmarks in a Mouse Model of Alzheimer-Like Neurodegeneration. <i>Journal of Alzheimer's Disease</i> , 2007, 11, 359-370.	1.2	100
28	On the Molecular Basis Linking Nerve Growth Factor (NGF) to Alzheimer's Disease. <i>Cellular and Molecular Neurobiology</i> , 2006, 26, 617-631.	1.7	98
29	Impaired adult neurogenesis is an early event in Alzheimer's disease neurodegeneration, mediated by intracellular A β oligomers. <i>Cell Death and Differentiation</i> , 2020, 27, 934-948.	5.0	97
30	A β -Amyloid Plaques in a Model for Sporadic Alzheimer's Disease Based on Transgenic Anti-Nerve Growth Factor Antibodies. <i>Molecular and Cellular Neurosciences</i> , 2002, 21, 15-28.	1.0	95
31	Intracellular Immunization with Cytosolic Recombinant Antibodies. <i>Bio/technology</i> , 1994, 12, 396-399.	1.9	94
32	A NH2 Tau Fragment Targets Neuronal Mitochondria at AD Synapses: Possible Implications for Neurodegeneration. <i>Journal of Alzheimer's Disease</i> , 2010, 21, 445-470.	1.2	92
33	Phytoantibodies: a general vector for the expression of immunoglobulin domains in transgenic plants. <i>Plant Molecular Biology</i> , 1991, 17, 865-874.	2.0	91
34	Monoclonal antibodies to nerve growth factor affect the postnatal development of the visual system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 684-688.	3.3	90
35	Towards Non Invasive Nerve Growth Factor Therapies for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2008, 15, 255-283.	1.2	87
36	Nerve Growth Factor and Alzheimer's Disease: New Facts for an Old Hypothesis. <i>Molecular Neurobiology</i> , 2012, 46, 588-604.	1.9	87

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37	Targeting vectors for intracellular immunisation. <i>Gene</i> , 1997, 187, 1-8.	1.0	86
38	Taking Pain Out of NGF: A "Painless" NGF Mutant, Linked to Hereditary Sensory Autonomic Neuropathy Type V, with Full Neurotrophic Activity. <i>PLoS ONE</i> , 2011, 6, e17321.	1.1	84
39	Development of a Non Invasive NGF-Based Therapy for Alzheimers Disease. <i>Current Alzheimer Research</i> , 2009, 6, 158-170.	0.7	83
40	Activation of the Amyloidogenic Route by NGF Deprivation Induces Apoptotic Death in PC12 Cells. <i>Journal of Alzheimer's Disease</i> , 2008, 13, 81-96.	1.2	80
41	Increased cytoplasmic TDP-43 reduces global protein synthesis by interacting with RACK1 on polyribosomes. <i>Human Molecular Genetics</i> , 2017, 26, 1407-1418.	1.4	78
42	Peripheral Neutralization of Nerve Growth Factor Induces Immunosympathectomy and Central Neurodegeneration in Transgenic Mice. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 527-546.	1.2	77
43	Intracellular Expression of Anti-p21ras Single Chain Fv Fragments Inhibits Meiotic Maturation of <i>Xenopus</i> Oocytes. <i>Biochemical and Biophysical Research Communications</i> , 1993, 197, 422-427.	1.0	74
44	Dissecting the involvement of tropomyosin-related kinase A and p75 neurotrophin receptor signaling in NGF deficit-induced neurodegeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12299-12304.	3.3	73
45	<sc>NGF</sc> steers microglia toward a neuroprotective phenotype. <i>Glia</i> , 2018, 66, 1395-1416.	2.5	72
46	Three Distinct Types of Monoclonal Antibodies After Long-Term Immunization of Rats with Mouse Nerve Growth Factor. <i>Journal of Neurochemistry</i> , 1988, 50, 1003-1010.	2.1	71
47	Antibodies to nerve growth factor (NGF) prolong the sensitive period for monocular deprivation in the rat. <i>NeuroReport</i> , 1994, 5, 2041-2044.	0.6	65
48	Apoptotic effect of caspase-3 cleaved tau in hippocampal neurons and its potentiation by tau FTDP-mutation N279K. <i>Journal of Alzheimer's Disease</i> , 2005, 7, 3-13.	1.2	63
49	Diverting a protein from its cellular location by intracellular antibodies. <i>FEBS Journal</i> , 2000, 267, 1196-1205.	0.2	62
50	ProNGF/NGF imbalance triggers learning and memory deficits, neurodegeneration and spontaneous epileptic-like discharges in transgenic mice. <i>Cell Death and Differentiation</i> , 2013, 20, 1017-1030.	5.0	62
51	The use of the RACE method to clone hybridoma cDNA when V region primers fail. <i>Journal of Immunological Methods</i> , 1994, 173, 33-39.	0.6	61
52	Intranasal "painless" Human Nerve Growth Factors Slows Amyloid Neurodegeneration and Prevents Memory Deficits in App X PS1 Mice. <i>PLoS ONE</i> , 2012, 7, e37555.	1.1	60
53	Identification of a caspase-derived N-terminal tau fragment in cellular and animal Alzheimer's disease models. <i>Molecular and Cellular Neurosciences</i> , 2008, 38, 381-392.	1.0	59
54	Direct in Vivo Intracellular Selection of Conformation-sensitive Antibody Domains Targeting Alzheimer's Amyloid- β Oligomers. <i>Journal of Molecular Biology</i> , 2009, 387, 584-606.	2.0	59

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55	Tanezumab, a recombinant humanized mAb against nerve growth factor for the treatment of acute and chronic pain. <i>Current Opinion in Molecular Therapeutics</i> , 2010, 12, 94-106.	2.8	58
56	Effects of intrabodies specific for rotavirus NSP5 during the virus replicative cycle. <i>Journal of General Virology</i> , 2004, 85, 3285-3290.	1.3	57
57	Intranasal delivery of therapeutic proteins for neurological diseases. <i>Expert Opinion on Drug Delivery</i> , 2011, 8, 1277-1296.	2.4	57
58	Mismatch between BDNF mRNA and protein expression in the developing visual cortex: the role of visual experience. <i>European Journal of Neuroscience</i> , 2001, 13, 709-721.	1.2	55
59	Intracellular antibodies for proteomics. <i>Journal of Immunological Methods</i> , 2004, 290, 135-153.	0.6	54
60	Intrinsic structural disorder of mouse proNGF. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 75, 990-1009.	1.5	54
61	Delivery of NGF to the Brain: Intranasal versus Ocular Administration in Anti-NGF Transgenic Mice. <i>Journal of Alzheimer's Disease</i> , 2009, 16, 371-388.	1.2	52
62	Two firing patterns in the discharge of complex cells encoding different attributes of the visual stimulus. <i>Experimental Brain Research</i> , 1981, 43, 115-8.	0.7	51
63	Blocking the NGF-TrkA Interaction Rescues the Developmental Loss of LTP in the Rat Visual Cortex. <i>Neuron</i> , 2000, 25, 165-175.	3.8	51
64	IGF-1 Restores Visual Cortex Plasticity in Adult Life by Reducing Local GABA Levels. <i>Neural Plasticity</i> , 2012, 2012, 1-10.	1.0	51
65	The retina as a window to early dysfunctions of Alzheimer's disease following studies with a 5xFAD mouse model. <i>Neurobiology of Aging</i> , 2018, 67, 181-188.	1.5	51
66	A β ² -Dependent Inhibition of LTP in Different Intracortical Circuits of the Visual Cortex: The Role of RAGE. <i>Journal of Alzheimer's Disease</i> , 2009, 17, 59-68.	1.2	50
67	In the Adult Hippocampus, Chronic Nerve Growth Factor Deprivation Shifts GABAergic Signaling from the Hyperpolarizing to the Depolarizing Direction. <i>Journal of Neuroscience</i> , 2010, 30, 885-893.	1.7	49
68	TAp73 knockout mice show morphological and functional nervous system defects associated with loss of p75 neurotrophin receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18952-18957.	3.3	49
69	Conformational targeting of intracellular A β ² oligomers demonstrates their pathological oligomerization inside the endoplasmic reticulum. <i>Nature Communications</i> , 2014, 5, 3867.	5.8	49
70	Nuclear localization of a lactic dehydrogenase with single-stranded DNA-binding properties. <i>Experimental Cell Research</i> , 1985, 161, 130-140.	1.2	48
71	Functional Blockade of Tyrosine Kinase A in the Rat Basal Forebrain by a Novel Antagonistic Anti-Receptor Monoclonal Antibody. <i>Journal of Neuroscience</i> , 1999, 19, 9687-9697.	1.7	48
72	Acute cholinergic rescue of synaptic plasticity in the neurodegenerating cortex of anti-nerve-growth-factor mice. <i>European Journal of Neuroscience</i> , 2002, 15, 1030-1036.	1.2	48

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73	The nerve growth factor *1Established findings and controversial aspects. <i>Experimental Cell Research</i> , 1984, 154, 1-9.	1.2	47
74	Reaction mechanism of caspases: Insights from QM/MM Car-Parrinello simulations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 52, 212-224.	1.5	47
75	In vitro receptor binding properties of a α -painless β -NGF mutein, linked to hereditary sensory autonomic neuropathy type V. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 824-829.	1.0	47
76	Intracellular immunization. <i>FEBS Letters</i> , 1990, 274, 193-198.	1.3	46
77	RACK1 Is a Ribosome Scaffold Protein for β -actin mRNA/ZBP1 Complex. <i>PLoS ONE</i> , 2012, 7, e35034.	1.1	46
78	Ligand signature in the membrane dynamics of single TrkA receptor molecules. <i>Journal of Cell Science</i> , 2013, 126, 4445-4456.	1.2	46
79	Use of Living Columns to Select Specific Phage Antibodies. <i>Nature Biotechnology</i> , 1993, 11, 1565-1569.	9.4	45
80	A non-radioactive in situ hybridization method that does not require RNase-free conditions. <i>Journal of Neuroscience Methods</i> , 1998, 85, 129-139.	1.3	45
81	Transgenic Mice with Chronic NGF Deprivation and Alzheimer's Disease-Like Pathology Display Hippocampal Region-Specific Impairments in Short- and Long-Term Plasticities. <i>Journal of Neuroscience</i> , 2010, 30, 13089-13094.	1.7	45
82	Fast-diffusing p75 ^{NTR} monomers support apoptosis and growth cone collapse by neurotrophin ligands. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21563-21572.	3.3	45
83	Dissecting NGF Interactions with TrkA and p75 Receptors by Structural and Functional Studies of an Anti-NGF Neutralizing Antibody. <i>Journal of Molecular Biology</i> , 2008, 381, 881-896.	2.0	43
84	Nerve growth factor scales endocannabinoid signaling by regulating monoacylglycerol lipase turnover in developing cholinergic neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1935-1940.	3.3	41
85	Co-localization of truncated tau and DNA fragmentation in Alzheimer's disease neurones. <i>NeuroReport</i> , 1997, 8, 3709-3712.	0.6	38
86	The intracellular antibody capture technology: towards the high-throughput selection of functional intracellular antibodies for target validation. <i>Methods</i> , 2004, 34, 200-214.	1.9	37
87	Tuning GABAergic Inhibition: Gephyrin Molecular Organization and Functions. <i>Neuroscience</i> , 2020, 439, 125-136.	1.1	37
88	The mode of action of Y13-259 scFv fragment intracellularly expressed in mammalian cells. <i>FEBS Letters</i> , 1998, 439, 197-202.	1.3	36
89	Nerve growth factor regulates axial rotation during early stages of chick embryo development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2009-2014.	3.3	36
90	Nicotine-induced enhancement of synaptic plasticity at CA3-CA1 synapses requires GABAergic interneurons in adult anti-NGF mice. <i>Journal of Physiology</i> , 2006, 576, 361-377.	1.3	35

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91	Tau Modulates VGLuT1 Expression. <i>Journal of Molecular Biology</i> , 2019, 431, 873-884.	2.0	35
92	Trk B signalling controls LTP but not LTD expression in the developing rat visual cortex. <i>European Journal of Neuroscience</i> , 2000, 12, 1411-1419.	1.2	34
93	The chemokine CXCL12 mediates the anti-amyloidogenic action of painless human nerve growth factor. <i>Brain</i> , 2017, 140, 201-217.	3.7	34
94	The effects of anti-nerve growth factor monoclonal antibodies on developing basal forebrain neurons are transient and reversible. <i>European Journal of Neuroscience</i> , 1998, 10, 3127-3140.	1.2	33
95	Muscular dystrophy in adult and aged anti-NGF transgenic mice resembles an inclusion body myopathy. <i>Journal of Molecular Biology</i> , 2000, 59, 553-560.		33
96	A Protein Silencing Switch by Ligand-induced Proteasome-targeting Intrabodies. <i>Journal of Molecular Biology</i> , 2007, 374, 641-654.	2.0	33
97	In vivo selection of intrabodies specifically targeting protein-protein interactions: A general platform for an undruggable class of disease targets. <i>Journal of Biotechnology</i> , 2008, 135, 1-15.	1.9	32
98	Painless Nerve Growth Factor: A TrkA biased agonist mediating a broad neuroprotection via its actions on microglia cells. <i>Pharmacological Research</i> , 2019, 139, 17-25.	3.1	32
99	Functional Characterization of Human ProNGF and NGF Mutants: Identification of NGF P61SR100E as a Painless Lead Investigational Candidate for Therapeutic Applications. <i>PLoS ONE</i> , 2015, 10, e0136425.	1.1	32
100	Neuroantibodies: Ectopic expression of a recombinant anti-substance P antibody in the central nervous system of transgenic mice. <i>Neuron</i> , 1995, 15, 373-384.	3.8	31
101	Site-Specific Labeling of Neurotrophins and Their Receptors via Short and Versatile Peptide Tags. <i>PLoS ONE</i> , 2014, 9, e113708.	1.1	31
102	Cloning and expression of an anti-nerve growth factor (NGF) antibody for studies using the neuroantibody approach. <i>Cellular and Molecular Neurobiology</i> , 1993, 13, 559-568.	1.7	30
103	Characterization of Mitochondrial Dysfunction in the 7PA2 Cell Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2013, 37, 747-758.	1.2	30
104	Neutralization of Nerve Growth Factor Impairs Proliferation and Differentiation of Adult Neural Progenitors in the Subventricular Zone. <i>Stem Cells</i> , 2014, 32, 2516-2528.	1.4	30
105	Low-affinity nerve growth factor receptor is expressed during testicular morphogenesis and in germ cells at specific stages of spermatogenesis. <i>Molecular Reproduction and Development</i> , 1994, 37, 157-166.	1.0	28
106	New strategies to address the pharmacodynamics and pharmacokinetics of tumor necrosis factor (TNF) inhibitors: A systematic analysis. <i>Autoimmunity Reviews</i> , 2015, 14, 812-829.	2.5	28
107	The use of phage display in neurobiology. <i>Trends in Neurosciences</i> , 1995, 18, 243-249.	4.2	27
108	Failure of nicotine-dependent enhancement of synaptic efficacy at Schaffer-collateral CA1 synapses of AD11 anti-nerve growth factor transgenic mice. <i>European Journal of Neuroscience</i> , 2006, 24, 1252-1264.	1.2	27

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109	Molecular Dynamics Simulations of the NGF-TrkA Domain 5 Complex and Comparison with Biological Data. <i>Biophysical Journal</i> , 2003, 84, 2282-2292.	0.2	26
110	Neurotrophin-3 promotes the survival of oligodendrocyte precursors in embryonic hippocampal cultures under chemically defined conditions. <i>Brain Research</i> , 1997, 746, 19-24.	1.1	24
111	Structural and functional properties of mouse proNGF. <i>Biochemical Society Transactions</i> , 2006, 34, 605-606.	1.6	24
112	Protein Structural Information and Evolutionary Landscape by In Vitro Evolution. <i>Molecular Biology and Evolution</i> , 2020, 37, 1179-1192.	3.5	24
113	Early inflammation and immune response mRNAs in the brain of AD11 anti-NGF mice. <i>Neurobiology of Aging</i> , 2011, 32, 1007-1022.	1.5	23
114	TIMP3 interplays with apelin to regulate cardiovascular metabolism in hypercholesterolemic mice. <i>Molecular Metabolism</i> , 2015, 4, 741-752.	3.0	23
115	Intranasal delivery of BDNF rescues memory deficits in AD11 mice and reduces brain microgliosis. <i>Aging Clinical and Experimental Research</i> , 2021, 33, 1223-1238.	1.4	23
116	Single-chain variable fragments selected on the 57-76 p21Ras neutralising epitope from phage antibody libraries recognise the parental protein. <i>FEBS Letters</i> , 1999, 443, 112-116.	1.3	22
117	Ganstigmine and donepezil improve neurodegeneration in AD11 antinerve growth factor transgenic mice. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2004, 19, 153-160.	0.9	22
118	Dissecting the role of sortilin receptor signaling in neurodegeneration induced by NGF deprivation. <i>Biochemical and Biophysical Research Communications</i> , 2013, 431, 579-585.	1.0	22
119	A comparative analysis of the structural, functional and biological differences between Mouse and Human Nerve Growth Factor. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 187-197.	1.1	22
120	Differential Expression of Genes at Stages When Regeneration Can and Cannot Occur after Injury to Immature Mammalian Spinal Cord. <i>Cellular and Molecular Neurobiology</i> , 2005, 25, 407-426.	1.7	21
121	Pathogen Free Conditions Slow the Onset of Neurodegeneration in a Mouse Model of Nerve Growth Factor Deprivation. <i>Journal of Alzheimer's Disease</i> , 2012, 31, 1-6.	1.2	21
122	Single particle tracking of acyl carrier protein (ACP)-tagged TrkA receptors in PC12nr5 cells. <i>Journal of Neuroscience Methods</i> , 2012, 204, 82-86.	1.3	21
123	Precursor and mature NGF live tracking: one versus many at a time in the axons. <i>Scientific Reports</i> , 2016, 6, 20272.	1.6	21
124	Activity-dependent expression of Channelrhodopsin at neuronal synapses. <i>Nature Communications</i> , 2017, 8, 1629.	5.8	21
125	Rescue of a neutralizing anti-viral antibody fragment from an intracellular polyclonal repertoire expressed in mammalian cells. <i>FEBS Letters</i> , 1997, 414, 537-540.	1.3	20
126	The Conundrum of the High-Affinity NGF Binding Site Formation Unveiled?. <i>Biophysical Journal</i> , 2015, 108, 687-697.	0.2	20

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127	Ligand-Induced Dynamics of Neurotrophin Receptors Investigated by Single-Molecule Imaging Approaches. <i>International Journal of Molecular Sciences</i> , 2015, 16, 1949-1979.	1.8	20
128	NGF and proNGF Reciprocal Interference in Immunoassays: Open Questions, Criticalities, and Ways Forward. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 63.	1.4	20
129	Intracellular Single-Chain Variable Fragments Directed to the Src Homology 2 Domains of Syk Partially Inhibit FcγRI Signaling in the RBL-2H3 Cell Line. <i>Journal of Immunology</i> , 2002, 169, 2274-2283.	0.4	19
130	Molecular Simulation of the Binding of Nerve Growth Factor Peptide Mimics to the Receptor Tyrosine Kinase A. <i>Biophysical Journal</i> , 2006, 91, 2063-2071.	0.2	19
131	Parameter estimate of signal transduction pathways. <i>BMC Neuroscience</i> , 2006, 7, S6.	0.8	19
132	Gene Expression Changes in the Motor Cortex Mediating Motor Skill Learning. <i>PLoS ONE</i> , 2013, 8, e61496.	1.1	19
133	Time window in cholinomimetic ability to rescue long-term potentiation in neurodegenerating anti-nerve growth factor mice. <i>Journal of Alzheimer's Disease</i> , 2006, 9, 59-68.	1.2	18
134	NGF and proNGF Regulate Functionally Distinct mRNAs in PC12 Cells: An Early Gene Expression Profiling. <i>PLoS ONE</i> , 2011, 6, e20839.	1.1	18
135	The NGF ^{R100W} Mutation Specifically Impairs Nociception without Affecting Cognitive Performance in a Mouse Model of Hereditary Sensory and Autonomic Neuropathy Type V. <i>Journal of Neuroscience</i> , 2019, 39, 9702-9715.	1.7	18
136	An Optimized Procedure for the Site-Directed Labeling of NGF and proNGF for Imaging Purposes. <i>Frontiers in Molecular Biosciences</i> , 2017, 4, 4.	1.6	17
137	Assessment of antibody library diversity through next generation sequencing and technical error compensation. <i>PLoS ONE</i> , 2017, 12, e0177574.	1.1	17
138	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. <i>Anti-Cancer Drugs</i> , 2006, 17, 929-941.	0.7	16
139	Conformational Plasticity of proNGF. <i>PLoS ONE</i> , 2011, 6, e22615.	1.1	16
140	Post-translational selective intracellular silencing of acetylated proteins with de novo selected intrabodies. <i>Nature Methods</i> , 2017, 14, 279-282.	9.0	16
141	Cortical Seizures in FoxG1+/Δ ⁺ Mice are Accompanied by Akt/S6 Overactivation, Excitation/Inhibition Imbalance and Impaired Synaptic Transmission. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4127.	1.8	16
142	Design and selection of an intrabody library produced de-novo for the non-structural protein NSP5 of rotavirus. <i>Journal of Immunological Methods</i> , 2005, 301, 31-40.	0.6	15
143	Gephyrin Selective Intrabodies as a New Strategy for Studying Inhibitory Receptor Clustering. <i>Journal of Molecular Neuroscience</i> , 2008, 34, 141-148.	1.1	15
144	The Structure of the Pro-domain of Mouse proNGF in Contact with the NGF Domain. <i>Structure</i> , 2019, 27, 78-89.e3.	1.6	15

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