

Ralph A Bradshaw

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12078355/publications.pdf>

Version: 2024-02-01

104
papers

6,227
citations

47006

47
h-index

69250

77
g-index

105
all docs

105
docs citations

105
times ranked

5263
citing authors

#	ARTICLE	IF	CITATIONS
1	N-Terminal processing: the methionine aminopeptidase and N ¹ -acetyl transferase families. Trends in Biochemical Sciences, 1998, 23, 263-267.	7.5	449
2	Cotranslational processing and protein turnover in eukaryotic cells. Biochemistry, 1988, 27, 7979-7984.	2.5	218
3	Reporting Protein Identification Data. Molecular and Cellular Proteomics, 2006, 5, 787-788.	3.8	208
4	Properties of the Specific Binding of 125I-Nerve Growth Factor to Responsive Peripheral Neurons. Journal of Biological Chemistry, 1974, 249, 5513-5519.	3.4	191
5	[17] Fumarase. Methods in Enzymology, 1969, 13, 91-99.	1.0	170
6	Topological similarities in TGF- β 2, PDGF-BB and NGF define a superfamily of polypeptide growth factors. Structure, 1993, 1, 153-159.	3.3	152
7	NF- κ B Signaling Promotes Both Cell Survival and Neurite Process Formation in Nerve Growth Factor-Stimulated PC12 Cells. Journal of Neuroscience, 2000, 20, 7556-7563.	3.6	138
8	Characterization of the retrograde transport of nerve growth factor (NGF) using high specific activity [¹²⁵ I]NGF. Brain Research, 1978, 150, 319-331.	2.2	137
9	Yeast methionine aminopeptidase I can utilize either Zn ²⁺ or Co ²⁺ as a cofactor: A case of mistaken identity?. Protein Science, 1998, 7, 2684-2687.	7.6	135
10	Subunit structure and amino acid composition of mouse submaxillary gland nerve growth factor. Biochemistry, 1971, 10, 463-469.	2.5	131
11	Amino acid sequences of mouse 2.5S nerve growth factor. II. Isolation and characterization of the thermolytic and peptic peptides and the complete covalent structure. Biochemistry, 1973, 12, 100-115.	2.5	125
12	The Receptors For Nerve Growth Factor and Other Neurotrophins. Annual Review of Biochemistry, 1993, 62, 823-850.	11.1	125
13	Topography of mouse 2.5S nerve growth factor. Reactivity of tyrosine and tryptophan. Biochemistry, 1973, 12, 3281-3293.	2.5	108
14	Nerve fibers infiltrate the tumor microenvironment and are associated with nerve growth factor production and lymph node invasion in breast cancer. Molecular Oncology, 2015, 9, 1626-1635.	4.6	105
15	Properties and Specificity of Binding Sites for 125I-Nerve Growth Factor in Embryonic Heart and Brain. Journal of Biological Chemistry, 1974, 249, 5918-5923.	3.4	95
16	Purification, characterization, and partial amino acid sequence of nerve growth factor from cobra venom. Biochemistry, 1976, 15, 26-34.	2.5	94
17	Nerve growth factor revisited. Trends in Biochemical Sciences, 1993, 18, 48-52.	7.5	94
18	Induction of Neurite Outgrowth by Interleukin-6 Is Accompanied by Activation of Stat3 Signaling Pathway in a Variant PC12 Cell (E2) Line. Journal of Biological Chemistry, 1996, 271, 13023-13032.	3.4	94

#	ARTICLE	IF	CITATIONS
19	NGF and ProNGF: Regulation of neuronal and neoplastic responses through receptor signaling. <i>Advances in Biological Regulation</i> , 2015, 58, 16-27.	2.3	91
20	The Subunits of Fumarase. <i>Journal of Biological Chemistry</i> , 1964, 239, 4207-4211.	3.4	91
21	ProNGF Correlates with Gleason Score and Is a Potential Driver of Nerve Infiltration in Prostate Cancer. <i>American Journal of Pathology</i> , 2014, 184, 3156-3162.	3.8	86
22	Application of combined mass spectrometry and partial amino acid sequence to the identification of gel-separated proteins. <i>Electrophoresis</i> , 1996, 17, 877-891.	2.4	85
23	Epidermal growth factor and basic fibroblast growth factor: effects on an overlapping population of neocortical neurons in vitro. <i>Brain Research</i> , 1990, 535, 255-263.	2.2	81
24	N-terminal Protein Processing: A Comparative Proteogenomic Analysis. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 14-28.	3.8	80
25	l-3-Hydroxyacyl Coenzyme A Dehydrogenase from Pig Heart Muscle. <i>Journal of Biological Chemistry</i> , 1973, 248, 3052-3059.	3.4	79
26	Autocrine mitogenic activity of pheromones produced by the protozoan ciliate <i>Euplotes raikovi</i> . <i>Nature</i> , 1995, 376, 522-524.	27.8	78
27	6 Malate Dehydrogenases. <i>The Enzymes</i> , 1975, 11, 369-396.	1.7	75
28	A Mouse Amidase Specific for N-terminal Asparagine. <i>Journal of Biological Chemistry</i> , 1996, 271, 28521-28532.	3.4	74
29	Nerve growth factor: Structure/function relationships. <i>Protein Science</i> , 1994, 3, 1901-1913.	7.6	69
30	Pro-nerve Growth Factor Induces Autocrine Stimulation of Breast Cancer Cell Invasion through Tropomyosin-related Kinase A (TrkA) and Sortilin Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 1923-1931.	3.4	69
31	The preparation of the cytoplasmic and mitochondrial forms of malate dehydrogenase and aspartate aminotransferase from pig heart by a single procedure. <i>Analytical Biochemistry</i> , 1974, 57, 432-451.	2.4	67
32	Individual and Combined Effects of TrkA and p75NTR Nerve Growth Factor Receptors. <i>Journal of Biological Chemistry</i> , 2003, 278, 24808-24817.	3.4	67
33	Synergistic Induction of Neurite Outgrowth by Nerve Growth Factor or Epidermal Growth Factor and Interleukin-6 in PC12 Cells. <i>Journal of Biological Chemistry</i> , 1996, 271, 13033-13039.	3.4	66
34	Sciatin Is a Transferrin-Like Polypeptide. <i>Journal of Neurochemistry</i> , 1982, 39, 315-320.	3.9	63
35	Protein translocation and turnover in eukaryotic cells. <i>Trends in Biochemical Sciences</i> , 1989, 14, 276-279.	7.5	61
36	Production of 1,2-Diacylglycerol in PC12 Cells by Nerve Growth Factor and Basic Fibroblast Growth Factor. <i>Journal of Neurochemistry</i> , 1990, 54, 1666-1676.	3.9	60

#	ARTICLE	IF	CITATIONS
37	The Thiol Groups of Fumarase. <i>Journal of Biological Chemistry</i> , 1967, 242, 2709-2718.	3.4	60
38	[33] Contranlational amino-terminal processing. <i>Methods in Enzymology</i> , 1990, 185, 398-407.	1.0	59
39	Chemical Signaling in Ciliates. <i>Journal of Eukaryotic Microbiology</i> , 1995, 42, 208-212.	1.7	58
40	Src Homologous and Collagen (Shc) Protein Binds to F-actin and Translocates to the Cytoskeleton upon Nerve Growth Factor Stimulation in PC12 Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 28924-28931.	3.4	57
41	Activation of the Stat3 Signaling Pathway Is Required for Differentiation by Interleukin-6 in PC12-E2 Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 2147-2156.	3.4	57
42	Specific binding sites for 125I-nerve growth factor in peripheral tissues and brain. <i>Biochemical and Biophysical Research Communications</i> , 1974, 57, 1096-1103.	2.1	56
43	Amino acid sequence of L-3-hydroxyacyl CoA dehydrogenase from pig heart muscle. <i>FEBS Letters</i> , 1980, 116, 196-198.	2.8	50
44	Mouse 7S nerve growth factor: complete sequence of a cDNA coding for the .alpha.-subunit precursor and its relationship to serine proteases. <i>Biochemistry</i> , 1984, 23, 5997-6002.	2.5	49
45	Internalization and cycling of nerve growth factor in PC12 cells: Interconversion of type II (fast) and type I (slow) nerve growth factor receptors. <i>Neuron</i> , 1988, 1, 929-936.	8.1	49
46	From Proteins to Proteomics. <i>IUBMB Life</i> , 2005, 57, 267-272.	3.4	49
47	Nerve growth factor—Recent developments and perspectives. <i>Biochemical Pharmacology</i> , 1976, 25, 1445-1449.	4.4	48
48	Purification and partial characterization of bovine pituitary fibroblast growth factor. <i>Journal of Cellular Biochemistry</i> , 1983, 21, 195-208.	2.6	46
49	Yeast Methionine Aminopeptidase I. <i>Journal of Biological Chemistry</i> , 1999, 274, 13403-13409.	3.4	46
50	Differential Utilization of ShcA Tyrosine Residues and Functional Domains in the Transduction of Epidermal Growth Factor-induced Mitogen-activated Protein Kinase Activation in 293T Cells and Nerve Growth Factor-induced Neurite Outgrowth in PC12 Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 22293-22299.	3.4	44
51	[16]l-3-hydroxyacyl coenzyme A dehydrogenase from pig heart muscle. <i>Methods in Enzymology</i> , 1975, 35, 122-128.	1.0	42
52	Polypeptide growth factors: Some structural and mechanistic considerations. <i>Journal of Supramolecular Structure</i> , 1980, 14, 183-199.	2.3	41
53	Isolation and partial amino acid sequence analysis of nerve growth factor from the guinea pig prostate. <i>Journal of Neuroscience Research</i> , 1981, 6, 451-464.	2.9	37
54	Discoidin domain receptor 1 (DDR1) signaling in PC12 cells: activation of juxtamembrane domains in PDGFR/DDR/TrkA chimeric receptors. <i>FASEB Journal</i> , 2000, 14, 973-981.	0.5	37

#	ARTICLE	IF	CITATIONS
55	Nerve growth factor: Subunit interactions in the mouse submaxillary gland 7S complex. <i>Journal of Neuroscience Research</i> , 1982, 8, 127-136.	2.9	35
56	Structural characterization of mating pheromone precursors of the ciliate protozoan <i>Euplotes raikovi</i> . High conservation of pre and pro regions versus high variability of secreted regions. <i>FEBS Journal</i> , 1991, 202, 759-764.	0.2	34
57	The disulfide bond pairing of the pheromones E ₁ and E ₂ of the ciliated protozoan <i>Euplotes raikovi</i> . <i>Protein Science</i> , 1992, 1, 777-785.	7.6	34
58	Characterization of Symmetric Complexes of Nerve Growth Factor and the Ectodomain of the Pan-neurotrophin Receptor, p75NTR. <i>Journal of Biological Chemistry</i> , 2005, 280, 33453-33460.	3.4	34
59	PC12-E2 cells: A stable variant with altered responses to growth factor stimulation. <i>Journal of Cellular Physiology</i> , 1995, 164, 522-532.	4.1	33
60	New Guidelines for Publication of Manuscripts Describing Development and Application of Targeted Mass Spectrometry Measurements of Peptides and Proteins. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 327-328.	3.8	33
61	<i>Cell Signaling.</i> , 2010, , 1-4.		32
62	Dipeptide inhibitors of ubiquitin-mediated protein turnover prevent growth factor-induced neurite outgrowth in rat pheochromocytoma PC12 cells. <i>Biochemical and Biophysical Research Communications</i> , 1992, 189, 280-288.	2.1	31
63	The Sequence of Porcine Protein NH ₂ -terminal Asparagine Amidohydrolase. <i>Journal of Biological Chemistry</i> , 1995, 270, 25-28.	3.4	30
64	Specific binding of covalently cross-linked mouse nerve growth factor to responsive peripheral neurons. <i>Biochemical and Biophysical Research Communications</i> , 1975, 67, 1281-1289.	2.1	28
65	Sustained ERK1/2 but not STAT1 or 3 activation is required for thanatophoric dysplasia phenotypes in PC12 cells. <i>Human Molecular Genetics</i> , 2005, 14, 1529-1538.	2.9	27
66	l-3-Hydroxyacyl Coenzyme A Dehydrogenase from Pig Heart Muscle. <i>Journal of Biological Chemistry</i> , 1973, 248, 3060-3066.	3.4	27
67	Rat liver polysome N.alpha.-acetyltransferase: substrate specificity. <i>Biochemistry</i> , 1991, 30, 1017-1021.	2.5	26
68	Expression of the urokinase plasminogen activator receptor is transiently required during "priming" of PC12 cells in nerve growth factor-directed cellular differentiation. <i>Journal of Neuroscience Research</i> , 2001, 63, 341-346.	2.9	25
69	The effects of drugs which destroy the sympathetic nervous system on the retrograde transport of nerve growth factor. <i>Brain Research</i> , 1979, 171, 461-472.	2.2	24
70	Rat liver polysome N.alpha.-acetyltransferase: isolation and characterization. <i>Biochemistry</i> , 1991, 30, 1010-1016.	2.5	23
71	Staurosporine Causes Epidermal Growth Factor to Induce Differentiation in PC12 Cells via Receptor Up-regulation. <i>Journal of Biological Chemistry</i> , 1995, 270, 7568-7572.	3.4	20
72	Methionine aminopeptidase 2 inhibition: antiangiogenesis and tumour therapy. <i>Expert Opinion on Therapeutic Patents</i> , 2004, 14, 1-6.	5.0	19

#	ARTICLE	IF	CITATIONS
73	Dissecting the Roles of Tyrosines 490 and 785 of TrkA Protein in the Induction of Downstream Protein Phosphorylation Using Chimeric Receptors. <i>Journal of Biological Chemistry</i> , 2013, 288, 16606-16618.	3.4	18
74	Microinjection of a p21ras Antibody into PC12 Cells Inhibits Neurite Outgrowth Induced by Nerve Growth Factor and Basic Fibroblast Growth Factor. <i>Growth Factors</i> , 1991, 4, 145-155.	1.7	17
75	The Induction of Serine/Threonine Protein Phosphorylations by a PDGFR/TrkA Chimera in Stably Transfected PC12 Cells. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 15-30.	3.8	17
76	PC12 cell activation by epidermal growth factor receptor: role of autophosphorylation sites. <i>International Journal of Developmental Neuroscience</i> , 2003, 21, 63-74.	1.6	16
77	Histidine residue modification inhibits binding of murine ? nerve growth factor to its receptor. <i>The Protein Journal</i> , 1984, 3, 349-356.	1.1	13
78	THE SYNTHESIS AND CHARACTERIZATION OF THE AMINO-TERMINAL OCTAPEPTIDE OF MOUSE NERVE GROWTH FACTOR. <i>International Journal of Peptide and Protein Research</i> , 1974, 6, 321-328.	0.1	13
79	Receptor tyrosine kinase signaling – a proteomic perspective. <i>Advances in Enzyme Regulation</i> , 2011, 51, 293-305.	2.6	11
80	Cancer Proteomics and the Elusive Diagnostic Biomarkers. <i>Proteomics</i> , 2019, 19, 1800445.	2.2	11
81	[46] $\hat{1}^3$ -Subunit of mouse submaxillary gland 7 S nerve growth factor: An endopeptidase of the serine family. <i>Methods in Enzymology</i> , 1981, 80, 609-620.	1.0	10
82	Analysis of protein modifications: recent advances in detection, characterization and mapping. <i>Current Opinion in Biotechnology</i> , 1994, 5, 85-93.	6.6	10
83	Ciliate Pheromones as Early Growth Factors and Cytokines. <i>Annals of the New York Academy of Sciences</i> , 1994, 712, 195-205.	3.8	10
84	New Guidelines for Clinical Proteomics Manuscripts. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 2071-2072.	3.8	10
85	On Credibility, Clarity, and Compliance. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1731-1733.	3.8	9
86	The characterization of recombinant mouse glandular kallikreins from <i>E. coli</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 1990, 7, 280-290.	2.6	7
87	Co- and Posttranslational Processing: The Removal of Methionine. <i>The Enzymes</i> , 2002, , 387-420.	1.7	7
88	A comparison of the amino-terminal sequences of several carbohydrate binding proteins from <i>Escherichia coli</i> and <i>Salmonella typhimurium</i> . <i>FEBS Letters</i> , 1977, 80, 377-379.	2.8	6
89	Synthetic chimeras of mouse growth factor-associated glandular kallikreins. II. Growth factor binding properties. <i>Protein Science</i> , 1993, 2, 1220-1228.	7.6	6
90	Nerve Growth Factor and Related Substances: Structure and Mechanism of Action. , 1993, , 129-180.		6

#	ARTICLE	IF	CITATIONS
91	Nerve Growth Factor and Related Hormones. , 1983, , 91-114.		6
92	Regenerative responses of rabbit corneal endothelial cells to stimulation by fibroblast growth factor 1 (FGF1) derivatives, TTHX1001 and TTHX1114. Growth Factors, 2021, 39, 14-27.	1.7	6
93	l-3-Hydroxyacyl coenzyme A dehydrogenase: Crystallographic properties of the pig heart enzyme. Journal of Molecular Biology, 1974, 90, 409-413.	4.2	5
94	Reduction by reserpine of the accumulation of retrogradely transported [125I]nerve growth factor in sympathetic neurons. Brain Research, 1979, 178, 389-401.	2.2	5
95	Chapter 13 Neurotrophic factors in the CNS: biosynthetic processing and functional responses. Progress in Brain Research, 1990, 86, 157-167.	1.4	5
96	Cell Signaling: Yesterday, Today, and Tomorrow. , 2003, , 1-3.		5
97	Methionine Aminopeptidase: Structure and Function. Molecular Biology Intelligence Unit, 1996, , 91-106.	0.2	5
98	Production of a monoclonal antibody directed against the nerve growth factor receptor from sympathetic membranes. Journal of Cellular Biochemistry, 1985, 27, 121-132.	2.6	3
99	Nerve growth factor receptors. Biomembranes: A Multi-Volume Treatise, 1997, , 177-196.	0.1	2
100	Methionyl Aminopeptidase Type 1. , 2013, , 1495-1500.		2
101	Methionyl aminopeptidase type 1. , 2004, , 911-917.		2
102	The Trk Receptor Family. , 2015, , 777-820.		1
103	STRUCTURE, FUNCTION, AND EVOLUTION OF INSULIN-RELATED POLYPEPTIDES. , 1982, , 1-13.		1
104	Nerve growth factor $\hat{I}\pm$ subunit: effect of site-directed mutations on catalytic activity and 7S NGF complex formation. BBA - Proteins and Proteomics, 2000, 1477, 253-266.	2.1	0