

# Bruce D Carter

## List of Publications by Year in descending order

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59  
papers

4,556  
citations

136950

32  
h-index

149698

56  
g-index

59  
all docs

59  
docs citations

59  
times ranked

5516  
citing authors

#	ARTICLE	IF	CITATIONS
1	Death of oligodendrocytes mediated by the interaction of nerve growth factor with its receptor p75. <i>Nature</i> , 1996, 383, 716-719.	27.8	747
2	Neuronal apoptosis linked to EglN3 prolyl hydroxylase and familial pheochromocytoma genes: Developmental culling and cancer. <i>Cancer Cell</i> , 2005, 8, 155-167.	16.8	494
3	The kinesin KIF1B <sup>Δ2</sup> acts downstream from EglN3 to induce apoptosis and is a potential 1p36 tumor suppressor. <i>Genes and Development</i> , 2008, 22, 884-893.	5.9	293
4	Neurotrophins Live or Let Die: Does p75NTR Decide?. <i>Neuron</i> , 1997, 18, 187-190.	8.1	202
5	Ligand-Dependent Cleavage of the P75 Neurotrophin Receptor Is Necessary for NRIF Nuclear Translocation and Apoptosis in Sympathetic Neurons. <i>Neuron</i> , 2006, 50, 219-232.	8.1	172
6	Glial precursors clear sensory neuron corpses during development via Jedi-1, an engulfment receptor. <i>Nature Neuroscience</i> , 2009, 12, 1534-1541.	14.8	157
7	(R)-Profens are substrate-selective inhibitors of endocannabinoid oxygenation by COX-2. <i>Nature Chemical Biology</i> , 2011, 7, 803-809.	8.0	157
8	Activation of the transcription factor NF- $\kappa$ B in Schwann cells is required for peripheral myelin formation. <i>Nature Neuroscience</i> , 2003, 6, 161-167.	14.8	156
9	The p75 neurotrophin receptor: multiple interactors and numerous functions. <i>Progress in Brain Research</i> , 2004, 146, 25-39.	1.4	142
10	Activation of the p75 Neurotrophin Receptor through Conformational Rearrangement of Disulphide-Linked Receptor Dimers. <i>Neuron</i> , 2009, 62, 72-83.	8.1	134
11	Induction of Proneurotrophins and Activation of p75 <sup>NTR</sup> -Mediated Apoptosis via Neurotrophin Receptor-Interacting Factor in Hippocampal Neurons after Seizures. <i>Journal of Neuroscience</i> , 2008, 28, 9870-9879.	3.6	130
12	p75 Neurotrophin Receptor-mediated Apoptosis in Sympathetic Neurons Involves a Biphasic Activation of JNK and Up-regulation of Tumor Necrosis Factor- $\alpha$ -converting Enzyme/ADAM17. <i>Journal of Biological Chemistry</i> , 2010, 285, 20358-20368.	3.4	112
13	Junctional Adhesion Molecule-A Is Required for Hematogenous Dissemination of Reovirus. <i>Cell Host and Microbe</i> , 2009, 5, 59-71.	11.0	105
14	Nerve Growth Factor Activation of Nuclear Factor $\kappa$ B through Its p75 Receptor Is an Anti-apoptotic Signal in RN22 Schwannoma Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 7558-7565.	3.4	99
15	Neurotrophin Signaling through the p75 Receptor Is Deficient in traf6 <sup>-/-</sup> Mice. <i>Journal of Neuroscience</i> , 2004, 24, 10521-10529.	3.6	91
16	TRAF6-mediated ubiquitination regulates nuclear translocation of NRIF, the p75 receptor interactor. <i>EMBO Journal</i> , 2005, 24, 3859-3868.	7.8	82
17	Protein Kinase A-Induced Phosphorylation of the p65 Subunit of Nuclear Factor- $\kappa$ B Promotes Schwann Cell Differentiation into a Myelinating Phenotype. <i>Journal of Neuroscience</i> , 2008, 28, 3738-3746.	3.6	76
18	Jedi-1 and MEGF10 Signal Engulfment of Apoptotic Neurons through the Tyrosine Kinase Syk. <i>Journal of Neuroscience</i> , 2012, 32, 13022-13031.	3.6	74

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19	Neurotrophin Receptor Interacting Factor (NRIF) Is an Essential Mediator of Apoptotic Signaling by the p75 Neurotrophin Receptor. <i>Journal of Biological Chemistry</i> , 2005, 280, 13801-13808.	3.4	67
20	Coupling of the p75 Neurotrophin Receptor to Sphingolipid Signaling. <i>Annals of the New York Academy of Sciences</i> , 1998, 845, 32-45.	3.8	61
21	p75 Neurotrophin Receptor Cleavage by $\hat{1}\pm$ - and $\hat{1}^3$ -Secretases Is Required for Neurotrophin-mediated Proliferation of Brain Tumor-initiating Cells. <i>Journal of Biological Chemistry</i> , 2014, 289, 8067-8085.	3.4	57
22	Ligand-independent signaling by disulfide-crosslinked dimers of the p75 neurotrophin receptor. <i>Journal of Cell Science</i> , 2009, 122, 3351-3357.	2.0	54
23	p75 neurotrophin receptor evades the endolysosomal route, favouring multivesicular bodies specialised for exosomal release in neuronal cells. <i>Journal of Cell Science</i> , 2014, 127, 1966-79.	2.0	54
24	A Role for the p75 Neurotrophin Receptor in Axonal Degeneration and Apoptosis Induced by Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2014, 289, 21205-21216.	3.4	54
25	Conformational Stability and Pathogenic Misfolding of the Integral Membrane Protein PMP22. <i>Journal of the American Chemical Society</i> , 2015, 137, 8758-8768.	13.7	54
26	p75 Neurotrophin receptor signaling. <i>Journal of Neuroscience Research</i> , 2000, 61, 237-243.	2.9	52
27	Selectivity of ligand binding to opioid receptors in brain membranes from the rat, monkey and guinea pig. <i>European Journal of Pharmacology</i> , 1988, 148, 343-351.	3.5	50
28	Mutation analysis of HIF prolyl hydroxylases (PHD/EGLN) in individuals with features of pheochromocytoma and renal cell carcinoma susceptibility. <i>Endocrine-Related Cancer</i> , 2010, 18, 73-83.	3.1	49
29	Abnormal junctions and permeability of myelin in PMP22-deficient nerves. <i>Annals of Neurology</i> , 2014, 75, 255-265.	5.3	49
30	NF- $\hat{1}$ B Forms a Complex with the Chromatin Remodeler BRG1 to Regulate Schwann Cell Differentiation. <i>Journal of Neuroscience</i> , 2013, 33, 2388-2397.	3.6	46
31	Brain-derived Neurotrophic Factor (BDNF) Induces Polarized Signaling of Small GTPase (Rac1) Protein at the Onset of Schwann Cell Myelination through Partitioning-defective 3 (Par3) Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 1600-1608.	3.4	40
32	A Functional Interaction between the p75 Neurotrophin Receptor Interacting Factors, TRAF6 and NRIF. <i>Journal of Biological Chemistry</i> , 2004, 279, 16646-16656.	3.4	39
33	Reversible Folding of Human Peripheral Myelin Protein 22, a Tetraspan Membrane Protein. <i>Biochemistry</i> , 2013, 52, 3229-3241.	2.5	36
34	A Chimeric Egfr Protein Reporter Mouse Reveals Egfr Localization and Trafficking In Vivo. <i>Cell Reports</i> , 2017, 19, 1257-1267.	6.4	36
35	Axonal Neuregulin 1 Type III Activates NF- $\hat{1}$ B in Schwann Cells during Myelin Formation. <i>Journal of Biological Chemistry</i> , 2010, 285, 16614-16622.	3.4	32
36	A novel role for PTEN in the inhibition of neurite outgrowth by myelin-associated glycoprotein in cortical neurons. <i>Molecular and Cellular Neurosciences</i> , 2011, 46, 235-244.	2.2	28

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37	Reovirus uses macropinocytosis-mediated entry and fast axonal transport to infect neurons. <i>PLoS Pathogens</i> , 2020, 16, e1008380.	4.7	28
38	Integrin $\alpha 3 \beta 1$ regulates kidney collecting duct development via TRAF6-dependent K63-linked polyubiquitination of Akt. <i>Molecular Biology of the Cell</i> , 2015, 26, 1857-1874.	2.1	27
39	Myelin-Associated Glycoprotein Inhibits Schwann Cell Migration and Induces Their Death. <i>Journal of Neuroscience</i> , 2017, 37, 5885-5899.	3.6	23
40	Retrograde Degenerative Signaling Mediated by the p75 Neurotrophin Receptor Requires p150Glued Deacetylation by Axonal HDAC1. <i>Developmental Cell</i> , 2018, 46, 376-387.e7.	7.0	23
41	The adaptor protein GULP promotes Jedi-1-mediated phagocytosis through a clathrin-dependent mechanism. <i>Molecular Biology of the Cell</i> , 2014, 25, 1925-1936.	2.1	18
42	Direct relationship between increased expression and mistrafficking of the Charcot-Marie-Tooth-associated protein PMP22. <i>Journal of Biological Chemistry</i> , 2020, 295, 11963-11970.	3.4	17
43	Neurotrophin Responsiveness of Sympathetic Neurons Is Regulated by Rapid Mobilization of the p75 Receptor to the Cell Surface through TrkA Activation of Arf6. <i>Journal of Neuroscience</i> , 2018, 38, 5606-5619.	3.6	16
44	Expression of MYCN in Multipotent Sympathoadrenal Progenitors Induces Proliferation and Neural Differentiation, but Is Not Sufficient for Tumorigenesis. <i>PLoS ONE</i> , 2015, 10, e0133897.	2.5	16
45	Peripheral myelin protein 22 modulates store-operated calcium channel activity, providing insights into Charcot-Marie-Tooth disease etiology. <i>Journal of Biological Chemistry</i> , 2019, 294, 12054-12065.	3.4	15
46	Exportin 1 Inhibition Induces Nerve Growth Factor Receptor Expression to Inhibit the NF- $\kappa$ B Pathway in Preclinical Models of Pediatric High-Grade Glioma. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 540-551.	4.1	14
47	Retrograde apoptotic signaling by the p75 neurotrophin receptor. <i>Neuronal Signaling</i> , 2017, 1, NS20160007.	3.2	13
48	Opioid Signal Transduction in Intact and Fragmented SH-SY5Y Neural Cells. <i>Journal of Neurochemistry</i> , 1992, 58, 1611-1619.	3.9	11
49	NRIF is a Regulator of Neuronal Cholesterol Biosynthesis Genes. <i>Journal of Molecular Neuroscience</i> , 2009, 38, 152-158.	2.3	10
50	The p75 neurotrophin receptor, semaphorins, and sympathetic traffic in the heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H1633-H1636.	3.2	9
51	Apoptosis and Vocal Fold Disease: Clinically Relevant Implications of Epithelial Cell Death. <i>Journal of Speech, Language, and Hearing Research</i> , 2017, 60, 1264-1272.	1.6	9
52	Long-distance regressive signaling in neural development and disease. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2021, 10, e382.	5.9	8
53	Metabolic Control of Sensory Neuron Survival by the p75 Neurotrophin Receptor in Schwann Cells. <i>Journal of Neuroscience</i> , 2021, 41, 8710-8724.	3.6	6
54	Jedi-1 deficiency increases sensory neuron excitability through a non-cell autonomous mechanism. <i>Scientific Reports</i> , 2020, 10, 1300.	3.3	5

#	ARTICLE	IF	CITATIONS
55	A Bexâ€ycle built for two. EMBO Reports, 2006, 7, 382-384.	4.5	4
56	Myelin Avoids the JAM. Neuron, 2016, 91, 713-716.	8.1	2
57	Receptors   Neurotrophin Receptor Signaling. , 2021, , 187-200.		1
58	Degeneration keeps axons on the straight and narrow. Nature Neuroscience, 2010, 13, 526-528.	14.8	0
59	Eaters of the dead: Glial precursors clear neuron corpses during development. Cell Cycle, 2010, 9, 1867-1868.	2.6	0