

# David R Kaplan

## List of Publications by Year in descending order

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239  
papers

35,094  
citations

6254

80  
h-index

3407

183  
g-index

242  
all docs

242  
docs citations

242  
times ranked

28886  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of Neuronal Survival by the Serine-Threonine Protein Kinase Akt. <i>Science</i> , 1997, 275, 661-665.	12.6	2,322
2	The protein kinase encoded by the Akt proto-oncogene is a target of the PDGF-activated phosphatidylinositol 3-kinase. <i>Cell</i> , 1995, 81, 727-736.	28.9	1,938
3	Neurotrophin signal transduction in the nervous system. <i>Current Opinion in Neurobiology</i> , 2000, 10, 381-391.	4.2	1,730
4	PI3K: Downstream AKTion Blocks Apoptosis. <i>Cell</i> , 1997, 88, 435-437.	28.9	1,580
5	Isolation of multipotent adult stem cells from the dermis of mammalian skin. <i>Nature Cell Biology</i> , 2001, 3, 778-784.	10.3	1,503
6	Direct Regulation of the Akt Proto-Oncogene Product by Phosphatidylinositol-3,4-bisphosphate. <i>Science</i> , 1997, 275, 665-668.	12.6	1,437
7	High-affinity NGF binding requires coexpression of the trk proto-oncogene and the low-affinity NGF receptor. <i>Nature</i> , 1991, 350, 678-683.	27.8	1,172
8	Tyrosine phosphorylation and tyrosine kinase activity of the trk proto-oncogene product induced by NGF. <i>Nature</i> , 1991, 350, 158-160.	27.8	1,026
9	Association of phosphatidylinositol kinase activity with polyoma middle-T competent for transformation. <i>Nature</i> , 1985, 315, 239-242.	27.8	845
10	Neurotrophin-5: A novel neurotrophic factor that activates trk and trkB. <i>Neuron</i> , 1991, 7, 857-866.	8.1	812
11	The neurotrophic factors brain-derived neurotrophic factor and neurotrophin-3 are ligands for the trkB tyrosine kinase receptor. <i>Cell</i> , 1991, 65, 895-903.	28.9	800
12	Common elements in growth factor stimulation and oncogenic transformation: 85 kd phosphoprotein and phosphatidylinositol kinase activity. <i>Cell</i> , 1987, 50, 1021-1029.	28.9	708
13	A dermal niche for multipotent adult skin-derived precursor cells. <i>Nature Cell Biology</i> , 2004, 6, 1082-1093.	10.3	692
14	PDGF $\beta$ -receptor stimulates tyrosine phosphorylation of GAP and association of GAP with a signaling complex. <i>Cell</i> , 1990, 61, 125-133.	28.9	581
15	Direct activation of the serine/threonine kinase activity of raf-1 through tyrosine phosphorylation by the PDGF $\beta$ -receptor. <i>Cell</i> , 1989, 58, 649-657.	28.9	552
16	Signal transduction by the neurotrophin receptors. <i>Current Opinion in Cell Biology</i> , 1997, 9, 213-221.	5.4	552
17	Trk receptors use redundant signal transduction pathways involving SHC and PLC- $\beta$ 1 to mediate NGF responses. <i>Neuron</i> , 1994, 12, 691-705.	8.1	520
18	Neurotrophin signal transduction by the Trk receptor. <i>Journal of Neurobiology</i> , 1994, 25, 1404-1417.	3.6	496

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19	An Anti-Apoptotic Role for the p53 Family Member, p73, During Developmental Neuron Death. <i>Science</i> , 2000, 289, 304-306.	12.6	444
20	Metformin Activates an Atypical PKC-CBP Pathway to Promote Neurogenesis and Enhance Spatial Memory Formation. <i>Cell Stem Cell</i> , 2012, 11, 23-35.	11.1	396
21	The TrkB-Shc Site Signals Neuronal Survival and Local Axon Growth via MEK and PI3-Kinase. <i>Neuron</i> , 2000, 27, 265-277.	8.1	385
22	TAp73 knockout shows genomic instability with infertility and tumor suppressor functions. <i>Genes and Development</i> , 2008, 22, 2677-2691.	5.9	378
23	p75 <sup>LNGFR</sup> regulates Trk signal transduction and NGF-induced neuronal differentiation in MAH cells. <i>Neuron</i> , 1994, 12, 733-745.	8.1	348
24	Induction of TrkB by retinoic acid mediates biologic responsiveness to BDNF and differentiation of human neuroblastoma cells. <i>Neuron</i> , 1993, 11, 321-331.	8.1	311
25	BDNF Promotes the Regenerative Sprouting, But Not Survival, of Injured Serotonergic Axons in the Adult Rat Brain. <i>Journal of Neuroscience</i> , 2000, 20, 771-782.	3.6	309
26	Evidence that Embryonic Neurons Regulate the Onset of Cortical Gliogenesis via Cardiotrophin-1. <i>Neuron</i> , 2005, 48, 253-265.	8.1	299
27	Early events in neurotrophin signalling via Trk and p75 receptors. <i>Current Opinion in Neurobiology</i> , 1995, 5, 579-587.	4.2	297
28	P53 Is Essential for Developmental Neuron Death as Regulated by the TrkA and p75 Neurotrophin Receptors. <i>Journal of Cell Biology</i> , 1998, 143, 1691-1703.	5.2	269
29	Developmental and mature expression of full-length and truncated TrkB, receptors in the rat forebrain. , 1996, 374, 21-40.		255
30	Interaction of Survival and Death Signaling in Basal Forebrain Neurons: Roles of Neurotrophins and Proneurotrophins. <i>Journal of Neuroscience</i> , 2006, 26, 7756-7766.	3.6	243
31	Developmental axon pruning mediated by BDNF-p75 <sup>NTR</sup> -dependent axon degeneration. <i>Nature Neuroscience</i> , 2008, 11, 649-658.	14.8	214
32	The Cytoplasmic and Transmembrane Domains of the p75 and Trk A Receptors Regulate High Affinity Binding to Nerve Growth Factor. <i>Journal of Biological Chemistry</i> , 2001, 276, 32687-32695.	3.4	201
33	The changing hydrology of a dammed Amazon. <i>Science Advances</i> , 2017, 3, e1700611.	10.3	198
34	Prevention of Apoptotic Neuronal Death by GM1 Ganglioside. <i>Journal of Biological Chemistry</i> , 1995, 270, 3074-3080.	3.4	185
35	Isoform-specific p73 knockout mice reveal a novel role for p73 in the DNA damage response pathway. <i>Genes and Development</i> , 2010, 24, 549-560.	5.9	185
36	A conserved amino-terminal Shc domain binds to phosphotyrosine motifs in activated receptors and phosphopeptides. <i>Current Biology</i> , 1995, 5, 404-412.	3.9	173

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37	Developmental Emergence of Adult Neural Stem Cells as Revealed by Single-Cell Transcriptional Profiling. <i>Cell Reports</i> , 2017, 21, 3970-3986.	6.4	171
38	NGF and Neurotrophin-3 Both Activate TrkA on Sympathetic Neurons but Differentially Regulate Survival and Neuritogenesis. <i>Journal of Cell Biology</i> , 1997, 136, 375-388.	5.2	163
39	CBP Histone Acetyltransferase Activity Regulates Embryonic Neural Differentiation in the Normal and Rubinstein-Taybi Syndrome Brain. <i>Developmental Cell</i> , 2010, 18, 114-125.	7.0	160
40	Mesenchymal Precursor Cells in Adult Nerves Contribute to Mammalian Tissue Repair and Regeneration. <i>Cell Stem Cell</i> , 2019, 24, 240-256.e9.	11.1	159
41	Brain-derived neurotrophic factor activation of TrkB protects neuroblastoma cells from chemotherapy-induced apoptosis via phosphatidylinositol 3'-kinase pathway. <i>Cancer Research</i> , 2002, 62, 6756-63.	0.9	157
42	Neuroblastoma Cells Isolated from Bone Marrow Metastases Contain a Naturally Enriched Tumor-Initiating Cell. <i>Cancer Research</i> , 2007, 67, 11234-11243.	0.9	155
43	Cell Cycle Regulators in the Neuronal Death Pathway of Amyotrophic Lateral Sclerosis Caused by Mutant Superoxide Dismutase 1. <i>Journal of Neuroscience</i> , 2003, 23, 2131-2140.	3.6	154
44	Dedifferentiated Schwann Cell Precursors Secreting Paracrine Factors Are Required for Regeneration of the Mammalian Digit Tip. <i>Cell Stem Cell</i> , 2016, 19, 433-448.	11.1	153
45	Deletion of a conserved juxtamembrane sequence in Trk abolishes NGF-promoted neuritogenesis. <i>Neuron</i> , 1995, 15, 395-406.	8.1	149
46	Ankrd11 Is a Chromatin Regulator Involved in Autism that Is Essential for Neural Development. <i>Developmental Cell</i> , 2015, 32, 31-42.	7.0	147
47	Signaling mechanisms underlying dendrite formation. <i>Current Opinion in Neurobiology</i> , 2003, 13, 391-398.	4.2	145
48	On Trk for Retrograde Signaling. <i>Neuron</i> , 2001, 32, 767-770.	8.1	144
49	Differential Utilization of Trk Autophosphorylation Sites. <i>Journal of Biological Chemistry</i> , 1996, 271, 20175-20181.	3.4	142
50	Disulfiram when Combined with Copper Enhances the Therapeutic Effects of Temozolomide for the Treatment of Glioblastoma. <i>Clinical Cancer Research</i> , 2016, 22, 3860-3875.	7.0	142
51	FoxP2 Regulates Neurogenesis during Embryonic Cortical Development. <i>Journal of Neuroscience</i> , 2013, 33, 244-258.	3.6	138
52	APPL1 Associates with TrkA and GIPC1 and Is Required for Nerve Growth Factor-Mediated Signal Transduction. <i>Molecular and Cellular Biology</i> , 2006, 26, 8928-8941.	2.3	137
53	ERK activation promotes neuronal degeneration predominantly through plasma membrane damage and independently of caspase-3. <i>Journal of Cell Biology</i> , 2004, 165, 357-369.	5.2	131
54	HIF-2 $\alpha$ maintains an undifferentiated state in neural crest-like human neuroblastoma tumor-initiating cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16805-16810.	7.1	131

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55	Restore or retreat? saltwater intrusion and water management in coastal wetlands. <i>Ecosystem Health and Sustainability</i> , 2017, 3, .	3.1	131
56	Control of CNS Cell-Fate Decisions by SHP-2 and Its Dysregulation in Noonan Syndrome. <i>Neuron</i> , 2007, 54, 245-262.	8.1	128
57	Autophosphorylation of Activation Loop Tyrosines Regulates Signaling by the TRK Nerve Growth Factor Receptor. <i>Journal of Biological Chemistry</i> , 1997, 272, 10957-10967.	3.4	127
58	Ras Regulates Sympathetic Neuron Survival by Suppressing the p53-Mediated Cell Death Pathway. <i>Journal of Neuroscience</i> , 1999, 19, 9716-9727.	3.6	125
59	Akt-Dependent Potentiation of L Channels by Insulin-Like Growth Factor-1 Is Required for Neuronal Survival. <i>Journal of Neuroscience</i> , 1999, 19, 1940-1951.	3.6	125
60	A Translational Repression Complex in Developing Mammalian Neural Stem Cells that Regulates Neuronal Specification. <i>Neuron</i> , 2018, 97, 520-537.e6.	8.1	124
61	Endogenous microglia regulate development of embryonic cortical precursor cells. <i>Journal of Neuroscience Research</i> , 2011, 89, 286-298.	2.9	123
62	Nerve Growth Factor Induces Apoptosis in Human Medulloblastoma Cell Lines that Express TrkA Receptors. <i>Journal of Neuroscience</i> , 1997, 17, 530-542.	3.6	114
63	Human Natural Killer Cells Mediate Killing of Intracellular Mycobacterium tuberculosis H37Rv via Granule-Independent Mechanisms. <i>Infection and Immunity</i> , 2001, 69, 1755-1765.	2.2	114
64	Glioma-derived IL-33 orchestrates an inflammatory brain tumor microenvironment that accelerates glioma progression. <i>Nature Communications</i> , 2020, 11, 4997.	12.8	109
65	P63 Is an Essential Proapoptotic Protein during Neural Development. <i>Neuron</i> , 2005, 48, 743-756.	8.1	104
66	p75NTR-dependent, myelin-mediated axonal degeneration regulates neural connectivity in the adult brain. <i>Nature Neuroscience</i> , 2010, 13, 559-566.	14.8	104
67	Influenza virus-specific human cytotoxic T cell clones: Heterogeneity in antigenic specificity and restriction by class II MHC products. <i>Cellular Immunology</i> , 1984, 88, 193-206.	3.0	101
68	The p53 family in nervous system development and disease. <i>Journal of Neurochemistry</i> , 2006, 97, 1571-1584.	3.9	101
69	High-Grade Glioma Formation Results from Postnatal Pten Loss or Mutant Epidermal Growth Factor Receptor Expression in a Transgenic Mouse Glioma Model. <i>Cancer Research</i> , 2006, 66, 7429-7437.	0.9	101
70	Potent Targeting of the STAT3 Protein in Brain Cancer Stem Cells: A Promising Route for Treating Glioblastoma. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 1102-1107.	2.8	101
71	Validation of cell-based fluorescence assays: Practice guidelines from the ICSH and ICCS – part III – analytical issues. <i>Cytometry Part B - Clinical Cytometry</i> , 2013, 84, 291-308.	1.5	101
72	Metformin Acts on Two Different Molecular Pathways to Enhance Adult Neural Precursor Proliferation/Self-Renewal and Differentiation. <i>Stem Cell Reports</i> , 2015, 5, 988-995.	4.8	98

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73	Semaphorin 3F Antagonizes Neurotrophin-Induced Phosphatidylinositol 3-Kinase and Mitogen-Activated Protein Kinase Kinase Signaling: A Mechanism for Growth Cone Collapse. <i>Journal of Neuroscience</i> , 2003, 23, 7602-7609.	3.6	96
74	An Asymmetrically Localized Staufen2-Dependent RNA Complex Regulates Maintenance of Mammalian Neural Stem Cells. <i>Cell Stem Cell</i> , 2012, 11, 517-528.	11.1	96
75	Small Molecule Kinase Inhibitor Screen Identifies Polo-Like Kinase 1 as a Target for Neuroblastoma Tumor-Initiating Cells. <i>Cancer Research</i> , 2011, 71, 1385-1395.	0.9	92
76	Activity-Dependent Activation of TrkB Neurotrophin Receptors in the Adult CNS. <i>Learning and Memory</i> , 1999, 6, 216-231.	1.3	92
77	Insulin-Like Growth Factor 1 Inhibits Extracellular Signal-Regulated Kinase to Promote Neuronal Survival via the Phosphatidylinositol 3-Kinase/Protein Kinase A/c-Raf Pathway. <i>Journal of Neuroscience</i> , 2005, 25, 2838-2852.	3.6	87
78	Interaction with TrkA Immobilizes gp75 in the High Affinity Nerve Growth Factor Receptor Complex. <i>Journal of Biological Chemistry</i> , 1995, 270, 2133-2138.	3.4	86
79	Lfc and Tctex-1 regulate the genesis of neurons from cortical precursor cells. <i>Nature Neuroscience</i> , 2009, 12, 735-744.	14.8	86
80	An eIF4E1/4E-T Complex Determines the Genesis of Neurons from Precursors by Translationally Repressing a Proneurogenic Transcription Program. <i>Neuron</i> , 2014, 84, 723-739.	8.1	86
81	The selective and inducible activation of endogenous PI 3-kinase in PC12 cells results in efficient NGF-mediated survival but defective neurite outgrowth. <i>Oncogene</i> , 1999, 18, 4586-4597.	5.9	85
82	Rapid Phosphorylation of Phospholipase C? 1 by Brain-Derived Neurotrophic Factor and Neurotrophin-3 in Cultures of Embryonic Rat Cortical Neurons. <i>Journal of Neurochemistry</i> , 1993, 60, 2111-2123.	3.9	84
83	p73 Regulates Neurodegeneration and Phospho-Tau Accumulation during Aging and Alzheimer's Disease. <i>Neuron</i> , 2008, 59, 708-721.	8.1	84
84	GDNF promotes tubulogenesis of GFR $\alpha$ 1-expressing MDCK cells by Src-mediated phosphorylation of Met receptor tyrosine kinase. <i>Journal of Cell Biology</i> , 2003, 161, 119-129.	5.2	83
85	Interleukin $\alpha$ 6 Induces Expression of Peripherin and Cooperates with Trk Receptor Signaling to Promote Neuronal Differentiation in PC12 Cells. <i>Journal of Neurochemistry</i> , 1996, 67, 1365-1374.	3.9	82
86	SHP-1 negatively regulates neuronal survival by functioning as a TrkA phosphatase. <i>Journal of Cell Biology</i> , 2003, 163, 999-1010.	5.2	82
87	Mobilizing Endogenous Stem Cells for Repair and Regeneration: Are We There Yet?. <i>Cell Stem Cell</i> , 2012, 10, 650-652.	11.1	81
88	A novel mechanism of immunosuppression mediated by ethanol. <i>Cellular Immunology</i> , 1986, 102, 1-9.	3.0	80
89	Sox2-Mediated Regulation of Adult Neural Crest Precursors and Skin Repair. <i>Stem Cell Reports</i> , 2013, 1, 38-45.	4.8	80
90	Role of the Fas/Fas Ligand Apoptotic Pathway in Human Immunodeficiency Virus Type 1 Disease. <i>Journal of Virology</i> , 1998, 72, 6279-6282.	3.4	80

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91	Transient Maternal IL-6 Mediates Long-Lasting Changes in Neural Stem Cell Pools by Deregulating an Endogenous Self-Renewal Pathway. <i>Cell Stem Cell</i> , 2013, 13, 564-576.	11.1	75
92	Acquisition of a Unique Mesenchymal Precursor-like Blastema State Underlies Successful Adult Mammalian Digit Tip Regeneration. <i>Developmental Cell</i> , 2020, 52, 509-524.e9.	7.0	74
93	Suppression of Rac activity induces apoptosis of human glioma cells but not normal human astrocytes. <i>Cancer Research</i> , 2002, 62, 2131-40.	0.9	74
94	TAp73 Acts via the bHLH Hey2 to Promote Long-Term Maintenance of Neural Precursors. <i>Current Biology</i> , 2010, 20, 2058-2065.	3.9	73
95	N-myc Promotes Survival and Induces S-Phase Entry of Postmitotic Sympathetic Neurons. <i>Journal of Neuroscience</i> , 2002, 22, 815-824.	3.6	71
96	Migrating Interneurons Secrete Fractalkine to Promote Oligodendrocyte Formation in the Developing Mammalian Brain. <i>Neuron</i> , 2017, 94, 500-516.e9.	8.1	69
97	K-252b Selectively Potentiates Cellular Actions and trk Tyrosine Phosphorylation Mediated by Neurotrophin-3. <i>Journal of Neurochemistry</i> , 1992, 59, 715-722.	3.9	67
98	Gab1 Mediates Neurite Outgrowth, DNA Synthesis, and Survival in PC12 Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 37307-37314.	3.4	67
99	The localization, trafficking and retrograde transport of BDNF bound to p75NTR in sympathetic neurons. <i>Molecular and Cellular Neurosciences</i> , 2006, 32, 387-402.	2.2	67
100	In Vivo Antitumor and Antimetastatic Activity of Sunitinib in Preclinical Neuroblastoma Mouse Model. <i>Neoplasia</i> , 2009, 11, 426-435.	5.3	67
101	Src Regulates Actin Dynamics and Invasion of Malignant Glial Cells in Three Dimensions. <i>Molecular Cancer Research</i> , 2004, 2, 595-605.	3.4	66
102	Anti-tumor activity of the beta-adrenergic receptor antagonist propranolol in neuroblastoma. <i>Oncotarget</i> , 2014, 5, 161-172.	1.8	65
103	An Essential Role for the Integrin-Linked Kinase-Glycogen Synthase Kinase-3 $\beta$ Pathway during Dendrite Initiation and Growth. <i>Journal of Neuroscience</i> , 2006, 26, 13344-13356.	3.6	64
104	TrkC Isoforms with Inserts in the Kinase Domain Show Impaired Signaling Responses. <i>Journal of Biological Chemistry</i> , 1996, 271, 5691-5697.	3.4	63
105	Selective targeting of neuroblastoma tumour-initiating cells by compounds identified in stem cell-based small molecule screens. <i>EMBO Molecular Medicine</i> , 2010, 2, 371-384.	6.9	62
106	Evidence That $\Delta$ p73 Promotes Neuronal Survival by p53-Dependent and p53-Independent Mechanisms. <i>Journal of Neuroscience</i> , 2004, 24, 9174-9184.	3.6	61
107	AKT-1 Regulates DNA-Damage-Induced Germline Apoptosis in <i>C. elegans</i> . <i>Current Biology</i> , 2007, 17, 286-292.	3.9	61
108	Interleukin-6 Regulates Adult Neural Stem Cell Numbers during Normal and Abnormal Post-natal Development. <i>Stem Cell Reports</i> , 2018, 10, 1464-1480.	4.8	61

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109	Nerve growth factor signal transduction in human B lymphocytes is mediated by gp140trk. <i>European Journal of Immunology</i> , 1996, 26, 1985-1992.	2.9	60
110	The Invulnerability of Adult Neurons: A Critical Role for p73. <i>Journal of Neuroscience</i> , 2004, 24, 9638-9647.	3.6	59
111	CCM2 Mediates Death Signaling by the TrkA Receptor Tyrosine Kinase. <i>Neuron</i> , 2009, 63, 585-591.	8.1	58
112	Revealing Biotic and Abiotic Controls of Harmful Algal Blooms in a Shallow Subtropical Lake through Statistical Machine Learning. <i>Environmental Science &amp; Technology</i> , 2018, 52, 3527-3535.	10.0	55
113	Selective Regulation of TrkA and TrkB Receptors by Retinoic Acid and Interferon- $\beta$ in Human Neuroblastoma Cell Lines. <i>Journal of Biological Chemistry</i> , 1995, 270, 24725-24731.	3.4	53
114	Focal Distribution of Hepatitis C Virus RNA in Infected Livers. <i>PLoS ONE</i> , 2009, 4, e6661.	2.5	53
115	Neural Tumor-Initiating Cells Have Distinct Telomere Maintenance and Can be Safely Targeted for Telomerase Inhibition. <i>Clinical Cancer Research</i> , 2011, 17, 111-121.	7.0	53
116	Direct Genesis of Functional Rodent and Human Schwann Cells from Skin Mesenchymal Precursors. <i>Stem Cell Reports</i> , 2014, 3, 85-100.	4.8	53
117	Impaired growth and elevated Fas receptor expression in PIGA+ stem cells in primary paroxysmal nocturnal hemoglobinuria. <i>Journal of Clinical Investigation</i> , 2000, 106, 689-696.	8.2	53
118	Abelson virus-transformed lymphocytes: Null cells that modulate H-2. <i>Cell</i> , 1977, 12, 683-690.	28.9	50
119	Nerve Growth Factor Stimulates Tyrosine Phosphorylation and Activation of Src Homology-containing Protein-tyrosine Phosphatase 1 in PC12 Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 25629-25633.	3.4	50
120	Multiple interactions of the cytosolic polyproline region of the CD95 ligand: hints for the reverse signal transduction capacity of a death factor1. <i>FEBS Letters</i> , 2001, 509, 255-262.	2.8	50
121	SATB2 augments $\beta$ -catenin in head and neck squamous cell carcinoma. <i>EMBO Reports</i> , 2010, 11, 777-783.	4.5	50
122	PrP Conformational Transitions Alter Species Preference of a PrP-specific Antibody. <i>Journal of Biological Chemistry</i> , 2010, 285, 13874-13884.	3.4	50
123	<i>Neurog1</i> and <i>Neurog2</i> Control Two Waves of Neuronal Differentiation in the Piriform Cortex. <i>Journal of Neuroscience</i> , 2014, 34, 539-553.	3.6	50
124	The Protein Tyrosine Phosphatase Receptor Delta Regulates Developmental Neurogenesis. <i>Cell Reports</i> , 2020, 30, 215-228.e5.	6.4	50
125	p63 Antagonizes p53 to Promote the Survival of Embryonic Neural Precursor Cells. <i>Journal of Neuroscience</i> , 2009, 29, 6710-6721.	3.6	49
126	Nerve growth factor induced stimulation of Ras requires Trk interaction with Shc but does not involve phosphoinositide 3-OH kinase. <i>Oncogene</i> , 1998, 17, 691-697.	5.9	48



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127	Neuronal MEK is important for normal fear conditioning in mice. <i>Journal of Neuroscience Research</i> , 2004, 75, 760-770.	2.9	48
128	TrkA Induces Apoptosis of Neuroblastoma Cells and Does So via a p53-dependent Mechanism* [boxs]. <i>Journal of Biological Chemistry</i> , 2005, 280, 29199-29207.	3.4	46
129	Sample Size and Precision in NIH Peer Review. <i>PLoS ONE</i> , 2008, 3, e2761.	2.5	45
130	p63 Regulates Adult Neural Precursor and Newly Born Neuron Survival to Control Hippocampal-Dependent Behavior. <i>Journal of Neuroscience</i> , 2013, 33, 12569-12585.	3.6	45
131	Neurotrophin-induced trk receptor phosphorylation and cholinergic neuron response in primary cultures of embryonic rat brain neurons. <i>NeuroReport</i> , 1992, 3, 885-888.	1.2	44
132	TrkB Receptor Signaling Regulates Developmental Death Dynamics, But Not Final Number, of Retinal Ganglion Cells. <i>Journal of Neuroscience</i> , 2003, 23, 10137-10145.	3.6	43
133	System-Level Analysis of Neuroblastoma Tumor-Initiating Cells Implicates AURKB as a Novel Drug Target for Neuroblastoma. <i>Clinical Cancer Research</i> , 2010, 16, 4572-4582.	7.0	43
134	Expression of polyoma early gene products in <i>E. coli</i> . <i>Nucleic Acids Research</i> , 1985, 13, 501-519.	14.5	42
135	TRK Makes the Retrograde. <i>Science</i> , 2002, 295, 1471-1473.	12.6	42
136	Spontaneous Autologous Graft-versus-Host Disease in Plasma Cell Myeloma Autograft Recipients: Flow Cytometric Analysis of Hematopoietic Progenitor Cell Grafts. <i>Biology of Blood and Marrow Transplantation</i> , 2011, 17, 970-978.	2.0	42
137	Mapping research on hydropower and sustainability in the Brazilian Amazon: advances, gaps in knowledge and future directions. <i>Current Opinion in Environmental Sustainability</i> , 2019, 37, 50-69.	6.3	42
138	Comprehensive genomic profiling of glioblastoma tumors, BTICs, and xenografts reveals stability and adaptation to growth environments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19098-19108.	7.1	42
139	Enzyme-Linked Immunosorbent Assay for trkA Tyrosine Kinase Activity. <i>Analytical Biochemistry</i> , 1996, 236, 49-55.	2.4	41
140	Single-Cell Profiling Shows Murine Forebrain Neural Stem Cells Reacquire a Developmental State when Activated for Adult Neurogenesis. <i>Cell Reports</i> , 2020, 32, 108022.	6.4	40
141	River fragmentation and flow alteration metrics: a review of methods and directions for future research. <i>Environmental Research Letters</i> , 2020, 15, 123009.	5.2	40
142	Peripheral Nerve Single-Cell Analysis Identifies Mesenchymal Ligands that Promote Axonal Growth. <i>ENeuro</i> , 2020, 7, ENEURO.0066-20.2020.	1.9	40
143	A Smaug2-Based Translational Repression Complex Determines the Balance between Precursor Maintenance versus Differentiation during Mammalian Neurogenesis. <i>Journal of Neuroscience</i> , 2015, 35, 15666-15681.	3.6	39
144	Proneurogenic Ligands Defined by Modeling Developing Cortex Growth Factor Communication Networks. <i>Neuron</i> , 2016, 91, 988-1004.	8.1	39

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145	Chapter 4 Studying signal transduction in neuronal cells: The Trk/NGF system. <i>Progress in Brain Research</i> , 1998, 117, 35-46.	1.4	38
146	Translating neural stem cells to neurons in the mammalian brain. <i>Cell Death and Differentiation</i> , 2019, 26, 2495-2512.	11.2	38
147	Identification of [ <sup>18</sup> F]TRACK, a Fluorine-18-Labeled Tropomyosin Receptor Kinase (Trk) Inhibitor for PET Imaging. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1737-1743.	6.4	36
148	Cotargeting Ephrin Receptor Tyrosine Kinases A2 and A3 in Cancer Stem Cells Reduces Growth of Recurrent Glioblastoma. <i>Cancer Research</i> , 2018, 78, 5023-5037.	0.9	36
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