Derek van der Kooy

List of Publications by Year
in descending order

218 papers	23,108 citations	8172 76 h-index	8384 147 g-index
223 all docs	223 docs citations	223 times ranked	17277 citing authors

#	Article	IF	Citations
1	Neural stem cells in the adult mammalian forebrain: A relatively quiescent subpopulation of subependymal cells. Neuron, 1994, 13, 1071-1082.	3.8	1,323
2	Retinal Stem Cells in the Adult Mammalian Eye. Science, 2000, 287, 2032-2036.	6.0	994
3	Distinct Neural Stem Cells Proliferate in Response to EGF and FGF in the Developing Mouse Telencephalon. Developmental Biology, 1999, 208, 166-188.	0.9	742
4	The organization of projections from the cortes, amygdala, and hypothalamus to the nucleus of the solitary tract in rat. Journal of Comparative Neurology, 1984, 224, 1-24.	0.9	694
5	Direct Neural Fate Specification from Embryonic Stem Cells. Neuron, 2001, 30, 65-78.	3.8	683
6	Notch pathway molecules are essential for the maintenance, but not the generation, of mammalian neural stem cells. Genes and Development, 2002, 16, 846-858.	2.7	585
7	Clonal identification of multipotent precursors from adult mouse pancreas that generate neural and pancreatic lineages. Nature Biotechnology, 2004, 22, 1115-1124.	9.4	527
8	Drug reinforcement studied by the use of place conditioning in rat. Brain Research, 1982, 243, 91-105.	1.1	522
9	Is there a neural stem cell in the mammalian forebrain?. Trends in Neurosciences, 1996, 19, 387-393.	4.2	506
10	Adult Mammalian Forebrain Ependymal and Subependymal Cells Demonstrate Proliferative Potential, but only Subependymal Cells Have Neural Stem Cell Characteristics. Journal of Neuroscience, 1999, 19, 4462-4471.	1.7	492
11	Adult Rodent Neurogenic Regions: The Ventricular Subependyma Contains Neural Stem Cells, But the Dentate Gyrus Contains Restricted Progenitors. Journal of Neuroscience, 2002, 22, 1784-1793.	1.7	490
12	Transforming Growth Factor-Î± Null and Senescent Mice Show Decreased Neural Progenitor Cell Proliferation in the Forebrain Subependyma. Journal of Neuroscience, 1997, 17, 7850-7859.	1.7	419
13	Facile isolation and the characterization of human retinal stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15772-15777.	3.3	390
14	Hematopoietic competence is a rare property of neural stem cells that may depend on genetic and epigenetic alterations. Nature Medicine, 2002, 8, 268-273.	15.2	381
15	The neurobiology of nicotine addiction: bridging the gap from molecules to behaviour. Nature Reviews Neuroscience, 2004, 5, 55-65.	4.9	381
16	p21 loss compromises the relative quiescence of forebrain stem cell proliferation leading to exhaustion of their proliferation capacity. Genes and Development, 2005, 19, 756-767.	2.7	377
17	Developmental expression of a novel murine homeobox gene (Chx10): Evidence for roles in determination of the neuroretina and inner nuclear layer. Neuron, 1994, 13, 377-393.	3.8	354
18	Stem and progenitor cells: the premature desertion of rigorous definitions. Trends in Neurosciences, 2003, 26, 125-131.	4.2	302

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19	DREAM Is a Critical Transcriptional Repressor for Pain Modulation. Cell, 2002, 108, 31-43.	13.5	274
20	Neuronal birthdate underlies the development of striatal compartments. Brain Research, 1987, 401, 155-161.	1.1	255
21	Organization of the projections of a circumventricular organ: The area postrema in the rat. Journal of Comparative Neurology, 1983, 219, 328-338.	0.9	249
22	The organization of the efferent projections of the substantia nigra in the rat. A retrograde fluorescent double labeling study. Brain Research, 1979, 174, 1-17.	1.1	236
23	Reinforcing effects of brain microinjections of morphine revealed by conditioned place preference. Brain Research, 1982, 243, 107-117.	1.1	232
24	Critical Evaluation of Imprinted Gene Expression by RNAâ€“Seq: A New Perspective. PLoS Genetics, 2012, 8, e1002600.	1.5	226
25	Genetic conflict reflected in tissue-specific maps of genomic imprinting in human and mouse. Nature Genetics, 2015, 47, 544-549.	9.4	221
26	Dorsal raphe cells with collateral projections to the caudate-putamen and substantia nigra: A fluorescent retrograde double labeling study in the rat. Brain Research, 1980, 186, 1-7.	1.1	218
27	Embryonic stem cells assume a primitive neural stem cell fate in the absence of extrinsic influences. Journal of Cell Biology, 2006, 172, 79-90.	2.3	215
28	The ablation of glial fibrillary acidic protein-positive cells from the adult central nervous system results in the loss of forebrain neural stem cells but not retinal stem cells. European Journal of Neuroscience, 2003, 18, 76-84.	1.2	206
29	In vivoinfusions of exogenous growth factors into the fourth ventricle of the adult mouse brain increase the proliferation of neural progenitors around the fourth ventricle and the central canal of the spinal cord. European Journal of Neuroscience, 2002, 16, 1045-1057.	1.2	205
30	A hydrogel-based stem cell delivery system to treat retinal degenerative diseases. Biomaterials, 2010, 31, 2555-2564.	5.7	205
31	The Adult Mouse and Human Pancreas Contain Rare Multipotent Stem Cells that Express Insulin. Cell Stem Cell, 2011, 8, 281-293.	5.2	205
32	Opiate state controls bi-directional reward signaling via GABAA receptors in the ventral tegmental area. Nature Neuroscience, 2004, 7, 160-169.	7.1	203
33	Regulation of Vertebrate Nervous System Alternative Splicing and Development by an SR-Related Protein. Cell, 2009, 138, 898-910.	13.5	195
34	Dopamine modulates the plasticity of mechanosensory responses in Caenorhabditis elegans. EMBO Journal, 2004, 23, 473-482.	3.5	190
35	A Hyaluronan-Based Injectable Hydrogel Improves the Survival and Integration of Stem Cell Progeny following Transplantation. Stem Cell Reports, 2015, 4, 1031-1045.	2.3	189
36	Dopamine Specifically Inhibits Forebrain Neural Stem Cell Proliferation, Suggesting a Novel Effect of Antipsychotic Drugs. Journal of Neuroscience, 2005, 25, 5815-5823.	1.7	188

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37	Single subthalamic nucleus neurons project to both the globus pallidus and substantia nigra in rat. Journal of Comparative Neurology, 1980, 192, 751-768.	0.9	181
38	The organization of the efferent projections and striatal afferents of the entopeduncular nucleus and adjacent areas in the rat. Brain Research, 1981, 211, 15-36.	1.1	181
39	Support for the immortal strand hypothesis: neural stem cells partition DNA asymmetrically in vitro. Journal of Cell Biology, 2005, 170, 721-732.	2.3	179
40	Opposite motivational effects of endogenous opioids in brain and periphery. Nature, 1985, 314, 533-534.	13.7	169
41	Neuroleptics block the positive reinforcing effects of amphetamine but not of morphine as measured by place conditioning. Pharmacology Biochemistry and Behavior, 1985, 22, 101-105.	1.3	168
42	Primitive neural stem cells from the mammalian epiblast differentiate to definitive neural stem cells under the control of Notch signaling. Genes and Development, 2004, 18, 1806-1811.	2.7	164
43	Ventral Tegmental Area BDNF Induces an Opiate-Dependentâ€"Like Reward State in NaÃ¯ve Rats. Science, 2009, 324, 1732-1734.	6.0	161
44	Single mammillary body cells with divergent axon collaterals. Demonstration by a simple, fluorescent retrograde double labeling technique in the rat. Brain Research, 1978, 158, 189-196.	1.1	156
45	Global Survey of Genomic Imprinting by Transcriptome Sequencing. Current Biology, 2008, 18, 1735-1741.	1.8	154
46	Visceral cortex: A direct connection from prefrontal cortex to the solitary nucleus in rat. Neuroscience Letters, 1982, 33, 123-127.	1.0	153
47	Serotonin mediates food-odor associative learning in the nematode Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12449-12454.	3.3	153
48	Don't Look: Growing Clonal Versus Nonclonal Neural Stem Cell Colonies. Stem Cells, 2008, 26, 2938-2944.	1.4	139
49	Separate Proliferation Kinetics of Fibroblast Growth Factor-Responsive and Epidermal Growth Factor-Responsive Neural Stem Cells within the Embryonic Forebrain Germinal Zone. Journal of Neuroscience, 2000, 20, 1085-1095.	1.7	135
50	The organization of the thalamic, nigral and raphe cells projecting to the medial vs lateral caudate-putamen in rat. A fluorescent retrograde double labeling study. Brain Research, 1979, 169, 381-387.	1.1	134
51	Ciliary margin transdifferentiation from neural retina is controlled by canonical Wnt signaling. Developmental Biology, 2007, 308, 54-67.	0.9	125
52	Visceral cortex: Integration of the mucosal senses with limbic information in the rat agranular insular cortex. Journal of Comparative Neurology, 1988, 270, 39-54.	0.9	124
53	VTA CRF neurons mediate the aversive effects of nicotine withdrawal and promote intake escalation. Nature Neuroscience, 2014, 17, 1751-1758.	7.1	124
54	Area postrema: site where cholecystokinin acts to decrease food intake. Brain Research, 1984, 295, 345-347.	1.1	122

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55	GABAAreceptors in the ventral tegmental area control bidirectional reward signalling between dopaminergic and non-dopaminergic neural motivational systems. European Journal of Neuroscience, 2001, 13, 1009-1015.	1.2	121
56	Deprivation State Switches the Neurobiological Substrates Mediating Opiate Reward in the Ventral Tegmental Area. Journal of Neuroscience, 1997, 17, 383-390.	1.7	119
57	Mechanisms of striatal pattern formation: conservation of mammalian compartmentalization. Developmental Brain Research, 1990, 57, 93-102.	2.1	118
58	Motivational properties of ethanol in naive rats as studied by place conditioning. Pharmacology Biochemistry and Behavior, 1983, 19, 441-445.	1.3	114
59	Organization of the striatum: Collateralization of its Efferent Axons. Brain Research, 1985, 348, 86-99.	1.1	114
60	Phasic D1 and tonic D2 dopamine receptor signaling double dissociate the motivational effects of acute nicotine and chronic nicotine withdrawal. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3101-3106.	3.3	110
61	The organization of the efferent projections of the parabrachial nucleus to the forebrain in the rat: A retrograde fluorescent double-labeling study. Brain Research, 1981, 212, 271-286.	1.1	106
62	NEUROBIOLOGICAL CONSTRAINTS ON BEHAVIORAL MODELS OF MOTIVATION. Annual Review of Psychology, 1997, 48, 85-114.	9.9	103
63	The motivational valence of nicotine in the rat ventral tegmental area is switched from rewarding to aversive following blockade of the Î±7-subunit-containing nicotinic acetylcholine receptor. Psychopharmacology, 2003, 166, 306-313.	1.5	97
64	Notch Signaling Is Required to Maintain All Neural Stem Cell Populations â€“ Irrespective of Spatial or Temporal Niche. Developmental Neuroscience, 2006, 28, 34-48.	1.0	97
65	Neurobiology of motivation: Double dissociation of two motivational mechanisms mediating opiate reward in drug-naive versus drug-dependent animals.. Behavioral Neuroscience, 1992, 106, 798-807.	0.6	96
66	Paradoxical reinforcing properties of apomorphine: Effects of nucleus accumbens and area postrema lesions. Brain Research, 1983, 259, 111-118.	1.1	95
67	Vascular Endothelial Growth Factor Directly Inhibits Primitive Neural Stem Cell Survival But Promotes Definitive Neural Stem Cell Survival. Journal of Neuroscience, 2006, 26, 6803-6812.	1.7	95
68	E-Cadherin Regulates Neural Stem Cell Self-Renewal. Journal of Neuroscience, 2009, 29, 3885-3896.	1.7	94
69	Behavioral effects of peripheral administration of arginine vasopressin: a review of our search for a mode of action and a hypothesis. Psychoneuroendocrinology, 1984, 9, 319-341.	1.3	93
70	Apparent independence of opiate reinforcement and electrical self-stimulation systems in rat brain. Life Sciences, 1977, 20, 981-986.	2.0	90
71	Motivational state determines the functional role of the mesolimbic dopamine system in the mediation of opiate reward processes. Behavioural Brain Research, 2002, 129, 17-29.	1.2	90
72	Lesions of the Tegmental Pedunculopontine Nucleus Block the Rewarding Effects and Reveal the Aversive Effects of Nicotine in the Ventral Tegmental Area. Journal of Neuroscience, 2002, 22, 8653-8660.	1.7	89

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73	The pallido-subthalamic projection in rat: Anatomical and biochemical studies. Brain Research, 1981, 204, 253-268.	1.1	88
74	The asymmetric segregation of damaged proteins is stem cellâ€“type dependent. Journal of Cell Biology, 2013, 201, 523-530.	2.3	87
75	Î²â€Cell evolution: How the pancreas borrowed from the brain. BioEssays, 2011, 33, 582-587.	1.2	80
76	Neonatal frontal cortical lesions in rats alter cortical structure and connectivity. Brain Research, 1994, 645, 85-97.	1.1	78
77	Temporal analysis of naloxone attenuation of morphine-induced taste aversion. Pharmacology Biochemistry and Behavior, 1977, 6, 637-641.	1.3	77
78	Disguising adult neural stem cells. Current Opinion in Neurobiology, 2004, 14, 125-131.	2.0	76
79	Cell competition during reprogramming gives rise to dominant clones. Science, 2019, 364, .	6.0	76
80	The leading edge: Emerging neuroprotective and neuroregenerative cell-based therapies for spinal cord injury. Stem Cells Translational Medicine, 2020, 9, 1509-1530.	1.6	76
81	Low Oxygen Enhances Primitive and Definitive Neural Stem Cell Colony Formation by Inhibiting Distinct Cell Death Pathways. Stem Cells, 2009, 27, 1879-1886.	1.4	75
82	A Two-Separate-Motivational-Systems Hypothesis of Opioid Addiction. Pharmacology Biochemistry and Behavior, 1998, 59, 1-17.	1.3	73
83	Oct4 Is Required â^¼E7.5 for Proliferation in the Primitive Streak. PLoS Genetics, 2013, 9, e1003957.	1.5	72
84	It is ethical to transplant human stem cells into nonhuman embryos. Nature Medicine, 2004, 10, 331-335.	15.2	70
85	Maximizing Functional Photoreceptor Differentiation From Adult Human Retinal Stem Cells. Stem Cells, 2010, 28, 489-500.	1.4	70
86	Separate populations of cholecystokinin and 5-hydroxytryptamine-containing neuronal cells in the rat dorsal raphe, and their contribution to the ascending raphe projections. Neuroscience Letters, 1981, 26, 25-30.	1.0	68
87	Kappa receptors mediate the peripheral aversive effects of opiates. Pharmacology Biochemistry and Behavior, 1987, 28, 227-233.	1.3	68
88	Pattern formation in the striatum: Neurons with early projections to the substantia nigra survive the cell death period. Journal of Comparative Neurology, 1991, 312, 33-42.	0.9	67
89	Insulin Signaling Plays a Dual Role in Caenorhabditis elegans Memory Acquisition and Memory Retrieval. Journal of Neuroscience, 2010, 30, 8001-8011.	1.7	66
90	The adult retinal stem cell is a rare cell in the ciliary epithelium whose progeny can differentiate into photoreceptors. Biology Open, 2012, 1, 237-246.	0.6	66

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91	CNS stem cells: Where's the biology (a.k.a. beef)?. , 1998, 36, 307-314.		65
92	Embryonic cortical neural stem cells migrate ventrally and persist as postnatal striatal stem cells. Journal of Cell Biology, 2006, 175, 159-168.	2.3	65
93	Suppression of Oct4 by Germ Cell Nuclear Factor Restricts Pluripotency and Promotes Neural Stem Cell Development in the Early Neural Lineage. Journal of Neuroscience, 2009, 29, 2113-2124.	1.7	64
94	Visceral cortex lesions block conditioned taste aversions induced by morphine. Pharmacology Biochemistry and Behavior, 1986, 24, 71-78.	1.3	63
95	Separate non-cholinergic descending projections and cholinergic ascending projections from the nucleus tegmenti pedunculopontinus. Brain Research, 1988, 445, 386-391.	1.1	61
96	A Behavioral and Genetic Dissection of Two Forms of Olfactory Plasticity in Caenorhabditis elegans: Adaptation and Habituation. Learning and Memory, 2000, 7, 199-212.	0.5	61
97	Cortical and striatal structure and connectivity are altered by neonatal hemidecortication in rats. Journal of Comparative Neurology, 1992, 322, 311-324.	0.9	60
98	Intrinsic differences distinguish transiently neurogenic progenitors from neural stem cells in the early postnatal brain. Developmental Biology, 2005, 278, 71-85.	0.9	58
99	Mouse Strain Differences in Opiate Reward Learning Are Explained by Differences in Anxiety, Not Reward or Learning. Journal of Neuroscience, 2001, 21, 9077-9081.	1.7	56
100	BDNF Signaling in the VTA Links the Drug-Dependent State to Drug Withdrawal Aversions. Journal of Neuroscience, 2014, 34, 7899-7909.	1.7	54
101	A Progressive and Cell Non-Autonomous Increase in Striatal Neural Stem Cells in the Huntington's Disease R6/2 Mouse. Journal of Neuroscience, 2006, 26, 10452-10460.	1.7	53
102	The D2receptor is critical in mediating opiate motivation only in opiate-dependent and withdrawn mice. European Journal of Neuroscience, 2001, 13, 995-1001.	1.2	51
103	Peripheral receptors mediate the aversive conditioning effects of morphine in the rat. Pharmacology Biochemistry and Behavior, 1987, 28, 219-225.	1.3	50
104	Separate blood and brain origins of proliferating cells during gliosis in adult brains. Brain Research, 1990, 535, 237-244.	1.1	50
105	The proliferation and expansion of retinal stem cells require functional Pax6. Developmental Biology, 2007, 304, 713-721.	0.9	50
106	Variability and partial synchrony of the cell cycle in the germinal zone of the early embryonic cerebral cortex. Journal of Comparative Neurology, 1995, 360, 536-554.	0.9	47
107	A new â€˜spinâ€™ on neural stem cells?. Current Opinion in Neurobiology, 2001, 11, 59-65.	2.0	47
108	Neuronal lineages in chimeric mouse forebrain are segregated between compartments and in the rostrocaudal and radial planes. Developmental Biology, 1990, 141, 70-83.	0.9	46

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109	Lesions of the tegmental pedunculopontine nucleus: Effects on the locomotor activity induced by morphine and amphetamine. Pharmacology Biochemistry and Behavior, 1992, 42, 9-18.	1.3	46
110	Regulation of Distinct Attractive and Aversive Mechanisms Mediating Benzaldehyde Chemotaxis in Caenorhabditis elegans. Learning and Memory, 2001, 8, 170-181.	0.5	46
111	Genetic deletion of regulator of G-protein signaling 4 (RGS4) rescues a subset of fragile X related phenotypes in the FMR1 knockout mouse. Molecular and Cellular Neurosciences, 2011, 46, 563-572.	1.0	45
112	Bilaterally situated dorsal raphe cell bodies have only unilateral forebrain projections in rat. Brain Research, 1980, 192, 550-554.	1.1	44
113	Loss of retinal progenitor cells leads to an increase in the retinal stem cell populationin vivo. European Journal of Neuroscience, 2006, 23, 75-82.	1.2	43
114	Clonal Neural Stem Cells from Human Embryonic Stem Cell Colonies. Journal of Neuroscience, 2012, 32, 7771-7781.	1.7	42
115	Primitive Neural Stem Cells in the Adult Mammalian Brain Give Rise to GFAP-Expressing Neural Stem Cells. Stem Cell Reports, 2014, 2, 810-824.	2.3	42
116	Catecholamine and serotonin colocalization in projection neurons of the area postrema. Brain Research, 1987, 412, 381-385.	1.1	41
117	Pattern formation in the striatum: developmental changes in the distribution of striatonigral projections. Developmental Brain Research, 1989, 45, 239-255.	2.1	39
118	Pattern Formation in the Mammalian Forebrain: Striatal Patch and Matrix Neurons Intermix Prior to Compartment Formation. European Journal of Neuroscience, 1995, 7, 1210-1219.	1.2	38
119	GABAA receptors signal bidirectional reward transmission from the ventral tegmental area to the tegmental pedunculopontine nucleus as a function of opiate state. European Journal of Neuroscience, 2004, 20, 2179-2187.	1.2	38
120	Dopaminergic Signaling Mediates the Motivational Response Underlying the Opponent Process to Chronic but Not Acute Nicotine. Neuropsychopharmacology, 2010, 35, 943-954.	2.8	38
121	Retrograde fluorescent tracing of substantia nigra neurons combined with catecholamine histofluorescence. Brain Research, 1980, 183, 447-452.	1.1	36
122	Differential distributions of cholecystokinin in hamster and rat forebrain. Brain Research, 1987, 402, 318-330.	1.1	36
123	Morphine acts in the parabrachial nucleus, a pontine viscerosensory relay, to produce discriminative stimulus effects. Psychopharmacology, 1993, 110, 76-84.	1.5	36
124	Excitotoxic lesions of the tegmental pedunculopontine nucleus impair copulation in naive male rats and block the rewarding effects of copulation in experienced male rats. European Journal of Neuroscience, 2003, 18, 2581-2591.	1.2	36
125	DREAM ablation selectively alters THC place aversion and analgesia but leaves intact the motivational and analgesic effects of morphine. European Journal of Neuroscience, 2004, 19, 3033-3041.	1.2	36
126	The Adult Mouse Dentate Gyrus Contains Populations of Committed Progenitor Cells that are Distinct from Subependymal Zone Neural Stem Cells. Stem Cells, 2011, 29, 1448-1458.	1.4	36

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127	Stable oxime-crosslinked hyaluronan-based hydrogel as a biomimetic vitreous substitute. Biomaterials, 2021, 271, 120750.	5.7	36
128	Pattern formation in the mammalian forebrain: patch neurons from the rat striatum selectively reassociate in vitro. Developmental Brain Research, 1989, 47, 137-142.	2.1	35
129	An analysis of dorsal and median raphe self-stimulation: Effects of para-chlorophenylalanine. Pharmacology Biochemistry and Behavior, 1978, 8, 441-445.	1.3	34
130	Simultaneous fluorescent retrograde axonal tracing and immunofluorescent characterization of neurons. Journal of Neuroscience Research, 1980, 5, 479-484.	1.3	34
131	Doxorubicin: A fluorescent neurotoxin retrogradely transported in the central nervous system. Neuroscience Letters, 1983, 36, 1-8.	1.0	34
132	Morphine Preexposure attenuates the aversive properties of opiates without preexposure to the aversive properties. Pharmacology Biochemistry and Behavior, 1988, 30, 687-692.	1.3	33
133	Pattern Formation in the Developing Mammalian Forebrain: Selective Adhesion of Early but Not Late Postmitotic Cortical and Striatal Neurons within Forebrain Reaggregate Cultures. Developmental Biology, 1993, 158, 145-162.	0.9	32
134	Non-cholinergic globus pallidus cells that project to the cortex but not to the subthalamic nucleus in rat. Neuroscience Letters, 1985, 57, 113-118.	1.0	31
135	Diabetes Enhances the Proliferation of Adult Pancreatic Multipotent Progenitor Cells and Biases Their Differentiation to More Î²-Cell Production. Diabetes, 2015, 64, 1311-1323.	0.3	31
136	Cortexâ€•and striatumâ€•derived neural stem cells produce distinct progeny in the olfactory bulb and striatum. European Journal of Neuroscience, 2008, 27, 2354-2362.	1.2	29
137	Monoamine involvement in hippocampal self-stimulation. Brain Research, 1977, 136, 119-130.	1.1	28
138	Contextual Taste Cues Modulate Olfactory Learning in C. elegans by an Occasion-Setting Mechanism. Current Biology, 2004, 14, 1303-1308.	1.8	28
139	Embryonic lesions of the substantia nigra prevent the patchy expression of opiate receptors, but not the segregation of patch and matrix compartment neurons, in the developing rat striatum. Developmental Brain Research, 1992, 66, 141-145.	2.1	27
140	Two Forms of Learning following Training to a Single Odorant in Caenorhabditis elegans AWC Neurons. Journal of Neuroscience, 2012, 32, 9035-9044.	1.7	27
141	Hyaluronic Acidâ€Based Hydrogels Enable Rod Photoreceptor Survival and Maturation In Vitro through Activation of the mTOR Pathway. Advanced Functional Materials, 2016, 26, 1975-1985.	7.8	27
142	Neurologic Phenotype of Schimke Immuno-Osseous Dysplasia and Neurodevelopmental Expression of SMARCAL1. Journal of Neuropathology and Experimental Neurology, 2008, 67, 565-577.	0.9	26
143	The germline stem cells of Drosophila melanogaster partition DNA non-randomly. European Journal of Cell Biology, 2009, 88, 397-408.	1.6	26
144	Î²2* nAChRs on VTA dopamine and GABA neurons separately mediate nicotine aversion and reward. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25968-25973.	3.3	26

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145	Hyperalgesia mediated by peripheral opiate receptors in the rat. Behavioural Brain Research, 1985, 17, 203-211.	1.2	25
146	A test of the opponent-process theory of motivation using lesions that selectively block morphine reward. European Journal of Neuroscience, 2007, 25, 3713-3718.	1.2	24
147	Nicotineâ€motivated behavior in <i><scp>C</scp>aenorhabditis elegans</i> requires the nicotinic acetylcholine receptor subunits <i>acrâ€5</i> and <i>acrâ€15</i>. European Journal of Neuroscience, 2013, 37, 743-756.	1.2	24
148	GABA_A receptors mediate the opposing roles of dopamine and the tegmental pedunculopontine nucleus in the motivational effects of ethanol. European Journal of Neuroscience, 2009, 29, 1235-1244.	1.2	23
149	Different neural systems mediate morphine reward and its spontaneous withdrawal aversion. European Journal of Neuroscience, 2009, 29, 2029-2034.	1.2	23
150	Generation and clonal isolation of retinal stem cells from human embryonic stem cells. European Journal of Neuroscience, 2012, 36, 1951-1959.	1.2	23
151	Dual embryonic origin of the mammalian enteric nervous system. Developmental Biology, 2019, 445, 256-270.	0.9	23
152	Hydrogel-mediated co-transplantation of retinal pigmented epithelium and photoreceptors restores vision in an animal model of advanced retinal degeneration. Biomaterials, 2020, 257, 120233.	5.7	23
153	Brain development in the neonatally decorticated rat. Brain Research, 1986, 397, 315-326.	1.1	22
154	Surfaceome Profiling Reveals Regulators of Neural Stem Cell Function. Stem Cells, 2014, 32, 258-268.	1.4	22
155	A rapidly effective behavior modification program for an electively mute child. Journal of Behavior Therapy and Experimental Psychiatry, 1975, 6, 149-152.	0.6	21
156	Quiescent Oct4+ Neural Stem Cells (NSCs) Repopulate Ablated Glial Fibrillary Acidic Protein+ NSCs in the Adult Mouse Brain. Stem Cells, 2017, 35, 2071-2082.	1.4	21
157	Serotonin mediates a learned increase in attraction to high concentrations of benzaldehyde in aged <i>C. elegans</i>. Learning and Memory, 2008, 15, 844-855.	0.5	20
158	Ventral tegmental area GABA neurons and opiate motivation. Psychopharmacology, 2013, 227, 697-709.	1.5	20
159	Exogenous Neural Precursor Cell Transplantation Results in Structural and Functional Recovery in a Hypoxic-Ischemic Hemiplegic Mouse Model. ENeuro, 2018, 5, ENEURO.0369-18.2018.	0.9	20
160	Conditional Control of Fluid Consumption in an Occasion Setting Paradigm Is Independent of Pavlovian Associations. Learning and Motivation, 1994, 25, 368-400.	0.6	19
161	Striatal cholinergic interneurons: birthdates predict compartmental localization. Developmental Brain Research, 1998, 109, 51-58.	2.1	19
162	Priming effects with food and water reinforcers in hamsters. Learning and Motivation, 1978, 9, 332-346.	0.6	18

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163	Infusion of brainâ€derived neurotrophic factor into the ventral tegmental area switches the substrates mediating ethanol motivation. European Journal of Neuroscience, 2013, 37, 996-1003.	1.2	18
164	Inhibition of axonal transport â€˜in vivoâ€™ by a tubulin-specific antibody. Brain Research, 1986, 385, 38-45.	1.1	17
165	Neural stem cells are increased after loss of Î²-catenin, but neural progenitors undergo cell death. European Journal of Neuroscience, 2011, 33, 1366-1375.	1.2	17
166	The motivation produced by morphine and food is isomorphic: Approaches to specific motivational stimuli are learned. Cognitive, Affective and Behavioral Neuroscience, 1994, 22, 68-76.	1.2	17
167	Hyperalgesic Functions of Peripheral Opiate Receptors. Annals of the New York Academy of Sciences, 1986, 467, 154-168.	1.8	16
168	Tegmental pedunculopontine glutamate and GABA-B synapses mediate morphine reward.. Behavioral Neuroscience, 2009, 123, 145-155.	0.6	16
169	Local acting S tickyâ€trap inhibits vascular endothelial growth factor dependent pathological angiogenesis in the eye. EMBO Molecular Medicine, 2014, 6, 604-623.	3.3	16
170	Evidence on the retrograde neurotoxicity of doxorubicin. Neuroscience Letters, 1985, 53, 215-219.	1.0	15
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