

Alan Mackay-Sim

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179
papers

14,115
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60
h-index

116
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186
ext. papers

16,358
ext. citations

5.6
avg, IF

6.08
L-index

#	Paper	IF	Citations
179	An atlas of active enhancers across human cell types and tissues. <i>Nature</i> , 2014 , 507, 455-461	50.4	1595
178	A promoter-level mammalian expression atlas. <i>Nature</i> , 2014 , 507, 462-70	50.4	1301
177	Normative data for the "SniffinSticks" including tests of odor identification, odor discrimination, and olfactory thresholds: an upgrade based on a group of more than 3,000 subjects. <i>European Archives of Oto-Rhino-Laryngology</i> , 2007 , 264, 237-43	3.5	1011
176	Vitamin D3 and brain development. <i>Neuroscience</i> , 2003 , 118, 641-53	3.9	436
175	Autologous olfactory ensheathing cell transplantation in human spinal cord injury. <i>Brain</i> , 2005 , 128, 2951-60	11.2	358
174	Autologous olfactory ensheathing cell transplantation in human paraplegia: a 3-year clinical trial. <i>Brain</i> , 2008 , 131, 2376-86	11.2	345
173	Olfactory ensheathing cells promote locomotor recovery after delayed transplantation into transected spinal cord. <i>Brain</i> , 2002 , 125, 14-21	11.2	306
172	Prevalence of smell loss in Parkinson's disease--a multicenter study. <i>Parkinsonism and Related Disorders</i> , 2009 , 15, 490-4	3.6	252
171	A double-blind, randomized, placebo-controlled trial of macrolide in the treatment of chronic rhinosinusitis. <i>Laryngoscope</i> , 2006 , 116, 189-93	3.6	221
170	New techniques for biopsy and culture of human olfactory epithelial neurons. <i>JAMA Otolaryngology</i> , 1998 , 124, 861-6		221
169	Developmental Vitamin D3 deficiency alters the adult rat brain. <i>Brain Research Bulletin</i> , 2005 , 65, 141-8	3.9	217
168	Multipotent stem cells from adult olfactory mucosa. <i>Developmental Dynamics</i> , 2005 , 233, 496-515	2.9	215
167	Transplantation of nasal olfactory tissue promotes partial recovery in paraplegic adult rats. <i>Brain Research</i> , 2001 , 889, 344-57	3.7	213
166	Pathogens penetrating the central nervous system: infection pathways and the cellular and molecular mechanisms of invasion. <i>Clinical Microbiology Reviews</i> , 2014 , 27, 691-726	34	209
165	EdU, a new thymidine analogue for labelling proliferating cells in the nervous system. <i>Journal of Neuroscience Methods</i> , 2009 , 177, 122-30	3	195
164	On the Life Span of Olfactory Receptor Neurons. <i>European Journal of Neuroscience</i> , 1991 , 3, 209-215	3.5	175
163	Developmental vitamin D deficiency and risk of schizophrenia: a 10-year update. <i>Schizophrenia Bulletin</i> , 2010 , 36, 1073-8	1.3	169

162	The neurodevelopmental hypothesis of schizophrenia: a review of recent developments. <i>Annals of Medicine</i> , 2003 , 35, 86-93	1.5	150
161	Disease-specific, neurosphere-derived cells as models for brain disorders. <i>DMM Disease Models and Mechanisms</i> , 2010 , 3, 785-98	4.1	146
160	Developmental vitamin D deficiency alters brain protein expression in the adult rat: implications for neuropsychiatric disorders. <i>Proteomics</i> , 2007 , 7, 769-80	4.8	138
159	Behavioural characterization of vitamin D receptor knockout mice. <i>Behavioural Brain Research</i> , 2005 , 157, 299-308	3.4	130
158	Neurotrophic factors in the primary olfactory pathway. <i>Progress in Neurobiology</i> , 2000 , 62, 527-59	10.9	125
157	Olfactory mucosa is a potential source for autologous stem cell therapy for Parkinson's disease. <i>Stem Cells</i> , 2008 , 26, 2183-92	5.8	120
156	Developmental vitamin D deficiency alters the expression of genes encoding mitochondrial, cytoskeletal and synaptic proteins in the adult rat brain. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2007 , 103, 538-45	5.1	120
155	Subcortical projections to lateral geniculate and thalamic reticular nuclei in the hooded rat. <i>Journal of Comparative Neurology</i> , 1983 , 213, 24-35	3.4	118
154	Neurotrophin 3 promotes purification and proliferation of olfactory ensheathing cells from human nose. <i>Glia</i> , 2004 , 45, 111-23	9	113
153	Parkinson's disease-associated human ATP13A2 (PARK9) deficiency causes zinc dyshomeostasis and mitochondrial dysfunction. <i>Human Molecular Genetics</i> , 2014 , 23, 2802-15	5.6	112
152	Transient prenatal Vitamin D deficiency is associated with hyperlocomotion in adult rats. <i>Behavioural Brain Research</i> , 2004 , 154, 549-55	3.4	112
151	Cell cycle alterations in biopsied olfactory neuroepithelium in schizophrenia and bipolar I disorder using cell culture and gene expression analyses. <i>Schizophrenia Research</i> , 2006 , 82, 163-73	3.6	106
150	Developmental vitamin D deficiency alters adult behaviour in 129/SvJ and C57BL/6J mice. <i>Behavioural Brain Research</i> , 2008 , 187, 343-50	3.4	105
149	Maternal vitamin D depletion alters neurogenesis in the developing rat brain. <i>International Journal of Developmental Neuroscience</i> , 2007 , 25, 227-32	2.7	101
148	Cortical projections to visual centres in the rat: an HRP study. <i>Brain Research</i> , 1981 , 215, 1-13	3.7	99
147	Variance of gene expression identifies altered network constraints in neurological disease. <i>PLoS Genetics</i> , 2011 , 7, e1002207	6	96
146	Vitamin D3-implications for brain development. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2004 , 89-90, 557-60	5.1	96
145	Pathogenic effects of novel mutations in the P-type ATPase ATP13A2 (PARK9) causing Kufor-Rakeb syndrome, a form of early-onset parkinsonism. <i>Human Mutation</i> , 2011 , 32, 956-64	4.7	95

144	Altered adhesion, proliferation and death in neural cultures from adults with schizophrenia. <i>Schizophrenia Research</i> , 1999 , 40, 211-8	3.6	94
143	Olfactory ensheathing cells from the nose: clinical application in human spinal cord injuries. <i>Experimental Neurology</i> , 2011 , 229, 174-80	5.7	92
142	Adult vitamin D deficiency leads to behavioural and brain neurochemical alterations in C57BL/6J and BALB/c mice. <i>Behavioural Brain Research</i> , 2013 , 241, 120-31	3.4	91
141	FANTOM5 CAGE profiles of human and mouse samples. <i>Scientific Data</i> , 2017 , 4, 170112	8.2	88
140	Swimming behaviour and post-swimming activity in Vitamin D receptor knockout mice. <i>Brain Research Bulletin</i> , 2006 , 69, 74-8	3.9	88
139	Growth factor regulation of neurogenesis in adult olfactory epithelium. <i>Neuroscience</i> , 2000 , 99, 343-50	3.9	88
138	Differential roles of epigenetic changes and Foxp3 expression in regulatory T cell-specific transcriptional regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 5289-94	11.5	85
137	Timing of de novo mutagenesis--a twin study of sodium-channel mutations. <i>New England Journal of Medicine</i> , 2010 , 363, 1335-40	59.2	78
136	Neurogenesis in adult human. <i>NeuroReport</i> , 1996 , 7, 1189-94	1.7	76
135	Topographic patterns of responsiveness to odorants in the rat olfactory epithelium. <i>Journal of Neurophysiology</i> , 1994 , 71, 150-60	3.2	73
134	Lamellipodia mediate the heterogeneity of central olfactory ensheathing cell interactions. <i>Cellular and Molecular Life Sciences</i> , 2010 , 67, 1735-50	10.3	72
133	Survival and migration of human and rat olfactory ensheathing cells in intact and injured spinal cord. <i>Journal of Neuroscience Research</i> , 2006 , 83, 1201-12	4.4	72
132	Olfactory ability in the healthy population: reassessing presbyosmia. <i>Chemical Senses</i> , 2006 , 31, 763-71	4.8	72
131	A cross-study transcriptional analysis of Parkinson's disease. <i>PLoS ONE</i> , 2009 , 4, e4955	3.7	70
130	Vitamin D: the neglected neurosteroid?. <i>Trends in Neurosciences</i> , 2001 , 24, 570-2	13.3	70
129	Clarithromycin and prednisolone inhibit cytokine production in chronic rhinosinusitis. <i>Laryngoscope</i> , 2002 , 112, 1827-30	3.6	69
128	NRF2 activation restores disease related metabolic deficiencies in olfactory neurosphere-derived cells from patients with sporadic Parkinson's disease. <i>PLoS ONE</i> , 2011 , 6, e21907	3.7	68
127	Effects of human OEC-derived cell transplants in rodent spinal cord contusion injury. <i>Brain Research</i> , 2010 , 1337, 8-20	3.7	68

126	Discrimination of odors from stressed rats by non-stressed rats. <i>Physiology and Behavior</i> , 1980 , 24, 699-704	67
125	Combined VEGF and PDGF treatment reduces secondary degeneration after spinal cord injury. <i>Journal of Neurotrauma</i> , 2012 , 29, 957-70	5.4 66
124	Nasal-associated lymphoid tissue and olfactory epithelium as portals of entry for <i>Burkholderia pseudomallei</i> in murine melioidosis. <i>Journal of Infectious Diseases</i> , 2009 , 199, 1761-70	7 65
123	Olfactory discrimination predicts cognitive decline among community-dwelling older adults. <i>Translational Psychiatry</i> , 2012 , 2, e118	8.6 64
122	Olfactory dysfunction after head injury. <i>Journal of Head Trauma Rehabilitation</i> , 2008 , 23, 407-13	3 64
121	Transplantation of neuronal-primed human bone marrow mesenchymal stem cells in hemiparkinsonian rodents. <i>PLoS ONE</i> , 2011 , 6, e19025	3.7 61
120	The migration of olfactory ensheathing cells during development and regeneration. <i>NeuroSignals</i> , 2012 , 20, 147-58	1.9 60
119	A novel cell transplantation protocol and its application to an ALS mouse model. <i>Experimental Neurology</i> , 2008 , 213, 431-8	5.7 60
118	Bitter taste transduction of denatonium in the mudpuppy <i>Necturus maculosus</i> . <i>Journal of Neuroscience</i> , 1997 , 17, 3580-7	6.6 59
117	Olfactory glia enhance neonatal axon regeneration. <i>Molecular and Cellular Neurosciences</i> , 2010 , 45, 277-88	4.8 57
116	Hypothyroidism disrupts neural development in the olfactory epithelium of adult mice. <i>Developmental Brain Research</i> , 1987 , 433, 190-8	57
115	Reduced protein synthesis in schizophrenia patient-derived olfactory cells. <i>Translational Psychiatry</i> , 2015 , 5, e663	8.6 56
114	Schizophrenia, vitamin D, and brain development. <i>International Review of Neurobiology</i> , 2004 , 59, 351-80	4.4 55
113	Variability in the generation of induced pluripotent stem cells: importance for disease modeling. <i>Stem Cells Translational Medicine</i> , 2012 , 1, 641-50	6.9 53
112	Loss of Usp9x disrupts cortical architecture, hippocampal development and TGF β -mediated axonogenesis. <i>PLoS ONE</i> , 2013 , 8, e68287	3.7 53
111	Olfactory stem cells can be induced to express chondrogenic phenotype in a rat intervertebral disc injury model. <i>Spine Journal</i> , 2009 , 9, 585-94	4 51
110	Combined prenatal and chronic postnatal vitamin D deficiency in rats impairs prepulse inhibition of acoustic startle. <i>Physiology and Behavior</i> , 2004 , 81, 651-5	3.5 51
109	Altered cell cycle dynamics in schizophrenia. <i>Biological Psychiatry</i> , 2012 , 71, 129-35	7.9 50

108	Focal adhesion dynamics are altered in schizophrenia. <i>Biological Psychiatry</i> , 2013 , 74, 418-26	7.9	50
107	Olfactory ensheathing cells and spinal cord repair. <i>Keio Journal of Medicine</i> , 2005 , 54, 8-14	1.6	49
106	Basic fibroblast growth factor and fibroblast growth factor receptors in adult olfactory epithelium. <i>Brain Research</i> , 2001 , 896, 188-97	3.7	49
105	Stimulation of olfactory ensheathing cell motility enhances olfactory axon growth. <i>Cellular and Molecular Life Sciences</i> , 2011 , 68, 3233-47	10.3	48
104	Removal of the vomeronasal organ impairs lordosis in female hamsters: effect is reversed by luteinising hormone-releasing hormone. <i>Neuroendocrinology</i> , 1986 , 42, 489-93	5.6	47
103	Phagocytosis of bacteria by olfactory ensheathing cells and Schwann cells. <i>Neuroscience Letters</i> , 2013 , 539, 65-70	3.3	46
102	Burkholderia pseudomallei penetrates the brain via destruction of the olfactory and trigeminal nerves: implications for the pathogenesis of neurological melioidosis. <i>MBio</i> , 2014 , 5, e00025	7.8	46
101	Rats Responses to blood and body odors of stressed and non-stressed conspecifics. <i>Physiology and Behavior</i> , 1981 , 27, 503-10	3.5	46
100	The West Indian manatee (<i>Trichechus manatus</i>) lacks a vomeronasal organ. <i>Brain, Behavior and Evolution</i> , 1985 , 27, 186-94	1.5	45
99	Fibroblast and lymphoblast gene expression profiles in schizophrenia: are non-neural cells informative?. <i>PLoS ONE</i> , 2008 , 3, e2412	3.7	44
98	Effect of clarithromycin on nuclear factor-kappa B and transforming growth factor-beta in chronic rhinosinusitis. <i>Laryngoscope</i> , 2004 , 114, 286-90	3.6	43
97	Stress induces neurogenesis in non-neuronal cell cultures of adult olfactory epithelium. <i>Neuroscience</i> , 1999 , 88, 571-83	3.9	43
96	Australian norms for a quantitative olfactory function test. <i>Journal of Clinical Neuroscience</i> , 2004 , 11, 874-9	2.2	42
95	Odor Sensing for Robot Guidance. <i>International Journal of Robotics Research</i> , 1994 , 13, 232-239	5.7	42
94	Loss of sense of smell in adult, hypothyroid mice. <i>Developmental Brain Research</i> , 1987 , 433, 181-9		41
93	The sources of odors from stressed rats. <i>Physiology and Behavior</i> , 1981 , 27, 511-3	3.5	41
92	Isolation of adult stem cells from the human olfactory mucosa. <i>Methods in Molecular Biology</i> , 2013 , 1059, 107-14	1.4	39
91	Regulation of adult olfactory neurogenesis by insulin-like growth factor-I. <i>European Journal of Neuroscience</i> , 2005 , 22, 1581-8	3.5	37

90	Stem cells and their niche in the adult olfactory mucosa. <i>Archives Italiennes De Biologie</i> , 2010 , 148, 47-58	1.1	37
89	Ceruloplasmin is a novel adipokine which is overexpressed in adipose tissue of obese subjects and in obesity-associated cancer cells. <i>PLoS ONE</i> , 2014 , 9, e80274	3.7	36
88	A patient-derived stem cell model of hereditary spastic paraplegia with SPAST mutations. <i>DMM Disease Models and Mechanisms</i> , 2013 , 6, 489-502	4.1	35
87	Induced pluripotent stem cells: a new technology to study human diseases. <i>International Journal of Biochemistry and Cell Biology</i> , 2011 , 43, 843-6	5.6	35
86	Topographic coding of odorant quality is maintained at different concentrations in the salamander olfactory epithelium. <i>Brain Research</i> , 1984 , 297, 207-16	3.7	35
85	Increased abundance of translation machinery in stem cell-derived neural progenitor cells from four schizophrenia patients. <i>Translational Psychiatry</i> , 2015 , 5, e662	8.6	34
84	The statistical geometry of transcriptome divergence in cell-type evolution and cancer. <i>Nature Communications</i> , 2015 , 6, 6066	17.4	33
83	Low dose tubulin-binding drugs rescue peroxisome trafficking deficit in patient-derived stem cells in Hereditary Spastic Paraplegia. <i>Biology Open</i> , 2014 , 3, 494-502	2.2	33
82	Concise review: Patient-derived olfactory stem cells: new models for brain diseases. <i>Stem Cells</i> , 2012 , 30, 2361-5	5.8	31
81	The salamander nose: a model system for the study of spatial coding of olfactory quality. <i>Chemical Senses</i> , 1981 , 6, 249-257	4.8	31
80	OMP-ZsGreen fluorescent protein transgenic mice for visualisation of olfactory sensory neurons in vivo and in vitro. <i>Journal of Neuroscience Methods</i> , 2011 , 196, 88-98	3	30
79	Mechanism of impaired microtubule-dependent peroxisome trafficking and oxidative stress in SPAST-mutated cells from patients with Hereditary Spastic Paraplegia. <i>Scientific Reports</i> , 2016 , 6, 27004	4.9	29
78	Dopamine promotes differentiation of olfactory neuron in vitro. <i>Brain Research</i> , 1999 , 845, 252-9	3.7	29
77	The projection from the olfactory epithelium to the olfactory bulb in the salamander, <i>Ambystoma tigrinum</i> . <i>Anatomy and Embryology</i> , 1984 , 170, 93-7		29
76	The inhibitory role of the visually responsive region of the thalamic reticular nucleus in the rat. <i>Experimental Brain Research</i> , 1985 , 57, 471-9	2.3	29
75	Surface coatings of ZnO nanoparticles mitigate differentially a host of transcriptional, protein and signalling responses in primary human olfactory cells. <i>Particle and Fibre Toxicology</i> , 2013 , 10, 54	8.4	28
74	Olfactory dysfunction is associated with subjective memory complaints in community-dwelling elderly individuals. <i>Journal of Alzheimer's Disease</i> , 2009 , 17, 135-42	4.3	28
73	Cell dynamics in the olfactory epithelium of the tiger salamander: a morphometric analysis. <i>Experimental Brain Research</i> , 1988 , 71, 189-98	2.3	28

72	Neurotrophin expression in the adult olfactory epithelium. <i>Brain Research</i> , 2008 , 1196, 13-21	3.7	27
71	Regional differences in cell density and cell genesis in the olfactory epithelium of the salamander, <i>Ambystoma tigrinum</i> . <i>Experimental Brain Research</i> , 1984 , 57, 99-106	2.3	26
70	A patient-derived olfactory stem cell disease model for ataxia-telangiectasia. <i>Human Molecular Genetics</i> , 2013 , 22, 2495-509	5.6	25
69	Patient-derived stem cells: pathways to drug discovery for brain diseases. <i>Frontiers in Cellular Neuroscience</i> , 2013 , 7, 29	6.1	24
68	Olfactory ensheathing cells reduce duration of autonomic dysreflexia in rats with high spinal cord injury. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010 , 154, 20-9	2.4	23
67	Effects of long-term clarithromycin treatment on lavage-fluid markers of inflammation in chronic rhinosinusitis. <i>Clinical Physiology and Functional Imaging</i> , 2009 , 29, 136-42	2.4	23
66	Progressive loss of dopaminergic neurons induced by unilateral rotenone infusion into the medial forebrain bundle. <i>Brain Research</i> , 2010 , 1360, 119-29	3.7	23
65	Olfactory neural cells: an untapped diagnostic and therapeutic resource. The 2000 Ogura Lecture. <i>Laryngoscope</i> , 2002 , 112, 603-7	3.6	23
64	Two phases of replacement replenish the olfactory ensheathing cell population after injury in postnatal mice. <i>Glia</i> , 2012 , 60, 322-32	9	22
63	A comparative study of the structural organization of spheres derived from the adult human subventricular zone and glioblastoma biopsies. <i>Experimental Cell Research</i> , 2011 , 317, 1049-59	4.2	20
62	Discovery of molecular markers to discriminate corneal endothelial cells in the human body. <i>PLoS ONE</i> , 2015 , 10, e0117581	3.7	19
61	Vascular endothelial growth factor and platelet derived growth factor modulates the glial response to a cortical stab injury. <i>Neuroscience</i> , 2011 , 192, 652-60	3.9	19
60	An acute growth factor treatment that preserves function after spinal cord contusion injury. <i>Journal of Neurotrauma</i> , 2014 , 31, 1807-13	5.4	18
59	Neural expression and increased lavage fluid levels of secretoneurin in seasonal allergic rhinitis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003 , 167, 1504-8	10.2	18
58	The Constrained Maximal Expression Level Owing to Haploidy Shapes Gene Content on the Mammalian X Chromosome. <i>PLoS Biology</i> , 2015 , 13, e1002315	9.7	17
57	Characterization of olfactory stem cells. <i>Cell Transplantation</i> , 2011 , 20, 1673-91	4	17
56	Nitric oxide regulates neurogenesis in adult olfactory epithelium in vitro. <i>Nitric Oxide - Biology and Chemistry</i> , 2009 , 20, 238-52	5	17
55	Paradoxical association between smoking and olfactory identification in psychosis versus controls. <i>Australian and New Zealand Journal of Psychiatry</i> , 2004 , 38, 81-3	2.6	17

54	DNA methylation in schizophrenia in different patient-derived cell types. <i>NPJ Schizophrenia</i> , 2017 , 3, 6	5.5	16
53	A Role for ARF6 and ARNO in the regulation of endosomal dynamics in neurons. <i>Traffic</i> , 2007 , 8, 1750-1764	5.4	16
52	Odor detection performance in hypothyroid and euthyroid rats. <i>Physiology and Behavior</i> , 1996 , 59, 117-23.5	5.3	16
51	Development of voltage-dependent currents in taste receptor cells. <i>Journal of Comparative Neurology</i> , 1996 , 365, 278-88	3.4	16
50	Prolonged odor exposure causes severe cell shrinkage in the adult rat olfactory bulb. <i>Developmental Brain Research</i> , 1987 , 428, 307-11		16
49	Urban air particulate matter induces mitochondrial dysfunction in human olfactory mucosal cells. <i>Particle and Fibre Toxicology</i> , 2020 , 17, 18	8.4	15
48	Response kinetics of chemically-modified quartz piezoelectric crystals during odorant stimulation. <i>Analyst, The</i> , 1995 , 120, 1013	5	15
47	CCL2 enhances pluripotency of human induced pluripotent stem cells by activating hypoxia related genes. <i>Scientific Reports</i> , 2014 , 4, 5228	4.9	14
46	Structure and Function of the Olfactory System3-27		12
45	Secretoneurin is released into human airways by topical histamine but not capsaicin. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2005 , 60, 459-63	9.3	12
44	Delayed olfactory ensheathing cell transplants reduce nociception after dorsal root injury. <i>Experimental Neurology</i> , 2011 , 229, 143-57	5.7	11
43	Could cells from your nose fix your heart? Transplantation of olfactory stem cells in a rat model of cardiac infarction. <i>Scientific World Journal, The</i> , 2010 , 10, 422-33	2.2	11
42	Selected changes in spinal cord morphology after T4 transection and olfactory ensheathing cell transplantation. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010 , 158, 31-8	2.4	11
41	Novel Variant Linked to Amyotrophic Lateral Sclerosis Risk and Clinical Phenotype. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 658226	5.3	11
40	Olfactory function in zinc-deficient adult mice. <i>Experimental Brain Research</i> , 1989 , 76, 207-12	2.3	10
39	Oxidative Stress-Induced Axon Fragmentation Is a Consequence of Reduced Axonal Transport in Hereditary Spastic Paraplegia Patient Neurons. <i>Frontiers in Neuroscience</i> , 2020 , 14, 401	5.1	9
38	A Grand Challenge. 2. Phenotypic Profiling of a Natural Product Library on Parkinson's Patient-Derived Cells. <i>Journal of Natural Products</i> , 2016 , 79, 1982-9	4.9	9
37	Expanding the spectrum of mutations and novel insights into disease mechanisms. <i>Molecular Genetics and Metabolism Reports</i> , 2018 , 16, 46-51	1.8	9

36	Leukaemia inhibitory factor stimulates proliferation of olfactory neuronal progenitors via inducible nitric oxide synthase. <i>PLoS ONE</i> , 2012 , 7, e45018	3.7	9
35	Rotenone Susceptibility Phenotype in Olfactory Derived Patient Cells as a Model of Idiopathic Parkinson's Disease. <i>PLoS ONE</i> , 2016 , 11, e0154544	3.7	9
34	Multipotent human stromal cells isolated from cord blood, term placenta and adult bone marrow show distinct differences in gene expression pattern. <i>Genomics Data</i> , 2015 , 3, 70-4		8
33	Cocaine inhibits extraneuronal O-methylation of exogenous norepinephrine in nasal and oral tissues of the rabbit. <i>Life Sciences</i> , 1987 , 41, 2463-8	6.8	8
32	Neurogenesis in the Adult Olfactory Neuroepithelium 2003 ,		8
31	Olfactory ensheathing cells but not fibroblasts reduce the duration of autonomic dysreflexia in spinal cord injured rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2016 , 201, 17-23	2.4	8
30	Inhibition of the cGAS-STING pathway ameliorates the premature senescence hallmarks of Ataxia-Telangiectasia brain organoids. <i>Aging Cell</i> , 2021 , 20, e13468	9.9	8
29	Patient-Derived Stem Cell Models in HSP: Disease Modelling and Drug Discovery. <i>Brain Sciences</i> , 2018 , 8,	3.4	7
28	Vitamin D and the Brain: A Neuropsychiatric Perspective. <i>Clinical Reviews in Bone and Mineral Metabolism</i> , 2009 , 7, 199-205	2.5	7
27	Cell migration in schizophrenia: Patient-derived cells do not regulate motility in response to extracellular matrix. <i>Molecular and Cellular Neurosciences</i> , 2017 , 80, 111-122	4.8	6
26	Schizophrenia patient-derived olfactory neurosphere-derived cells do not respond to extracellular reelin. <i>NPJ Schizophrenia</i> , 2016 , 2, 16027	5.5	6
25	Labeling of Cellular DNA with a Cyclosal Phosphotriester Pronucleotide Analog of 5-ethynyl-2-Deoxyuridine. <i>Chemical Biology and Drug Design</i> , 2015 , 86, 400-9	2.9	6
24	Correction of aberrant axon growth in the developing mouse olfactory bulb. <i>Molecular and Cellular Neurosciences</i> , 2011 , 46, 282-95	4.8	6
23	Hereditary Spastic Paraplegia: From Genes, Cells and Networks to Novel Pathways for Drug Discovery. <i>Brain Sciences</i> , 2021 , 11,	3.4	6
22	Phase change and viscosity effects on a quartz crystal microbalance. <i>Analyst, The</i> , 1994 , 119, 2005	5	5
21	Mitochondrial Function in Hereditary Spastic Paraplegia: Deficits in but Not Patient-Derived Stem Cells. <i>Frontiers in Neuroscience</i> , 2020 , 14, 820	5.1	5
20	Isolating dividing neural and brain tumour cells for gene expression profiling. <i>Journal of Neuroscience Methods</i> , 2016 , 257, 121-33	3	4
19	Neurogenesis in the Adult Olfactory Epithelium 2015 , 133-156		4

18	Automated classification of dopaminergic neurons in the rodent brain 2009 ,		4
17	Stem cell models for biomarker discovery in brain disease. <i>International Review of Neurobiology</i> , 2011 , 101, 239-57	4.4	4
16	Differentiation in an olfactory cell line. Analysis via differential display. <i>Annals of the New York Academy of Sciences</i> , 1998 , 855, 235-9	6.5	4
15	Stem cells and genetic disease. <i>Cell Proliferation</i> , 2008 , 41 Suppl 1, 85-93	7.9	4
14	Sources of variability arising in piezoelectric odorant sensors. <i>Analyst, The</i> , 1993 , 118, 1393	5	4
13	A Patient-Specific Stem Cell Model to Investigate the Neurological Phenotype Observed in Ataxia-Telangiectasia. <i>Methods in Molecular Biology</i> , 2017 , 1599, 391-400	1.4	2
12	Antibody-Free Targeted Proteomics Assay for Absolute Measurement of β Tubulin Acetylation. <i>Analytical Chemistry</i> , 2020 , 92, 11204-11212	7.8	1
11	Clinical trials for the treatment of spinal cord injury: not so simple. <i>Methods in Molecular Biology</i> , 2013 , 1059, 229-37	1.4	1
10	Application of Gene Expression Trajectories Initiated from ErbB Receptor Activation Highlights the Dynamics of Divergent Promoter Usage. <i>PLoS ONE</i> , 2015 , 10, e0144176	3.7	1
9	The carbohydrate CT1 is expressed in topographically fixed glomeruli in the mouse olfactory bulb. <i>Molecular and Cellular Neurosciences</i> , 2011 , 48, 9-19	4.8	1
8	Response: Clinical trials for the treatment of spinal cord injury: Cervical and lumbar enlargements versus thoracic area. <i>Brain</i> , 2009 , 132, e116-e116	11.2	1
7	Ataxia Telangiectasia iPSC line generated from a patient olfactory biopsy identifies novel disease-causing mutations. <i>Stem Cell Research</i> , 2021 , 56, 102528	1.6	1
6	Recruiting swarm robots using coded odour trails 1998 , 451-455		1
5	Single cell morphology distinguishes genotype and drug effect in Hereditary Spastic Paraplegia. <i>Scientific Reports</i> , 2021 , 11, 16635	4.9	0
4	Olfactory Neurogenesis: A Window on Brain Development83-102		
3	The Size of Mitral Cells Depends on the Age at Which Continuous Odor Exposure Commences. <i>Annals of the New York Academy of Sciences</i> , 1987 , 510, 539-540	6.5	
2	Vitamin D and the Brain: A Neuropsychiatric Perspective 2010 , 335-344		
1	Reprogramming of human olfactory neurosphere-derived cells from olfactory mucosal biopsies of a control cohort. <i>Stem Cell Research</i> , 2021 , 56, 102527	1.6	

