

Tim Karl

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118
papers

4,126
citations

38
h-index

60
g-index

122
ext. papers

4,668
ext. citations

4.5
avg, IF

5.72
L-index

#	Paper	IF	Citations
118	Behavioral phenotyping of mice in pharmacological and toxicological research. <i>Experimental and Toxicologic Pathology</i> , 2003 , 55, 69-83		234
117	Heterozygous neuregulin 1 mice are more sensitive to the behavioural effects of Delta9-tetrahydrocannabinol. <i>Psychopharmacology</i> , 2007 , 192, 325-36	4.7	147
116	Deletion of Abca7 increases cerebral amyloid- β accumulation in the J20 mouse model of Alzheimer's disease. <i>Journal of Neuroscience</i> , 2013 , 33, 4387-94	6.6	141
115	Altered motor activity, exploration and anxiety in heterozygous neuregulin 1 mutant mice: implications for understanding schizophrenia. <i>Genes, Brain and Behavior</i> , 2007 , 6, 677-87	3.6	140
114	Peptide YY ablation in mice leads to the development of hyperinsulinaemia and obesity. <i>Diabetologia</i> , 2006 , 49, 1360-70	10.3	139
113	Cannabidiol potentiates Δ^9 -tetrahydrocannabinol (THC) behavioural effects and alters THC pharmacokinetics during acute and chronic treatment in adolescent rats. <i>Psychopharmacology</i> , 2011 , 218, 443-57	4.7	132
112	A behavioural comparison of acute and chronic Delta9-tetrahydrocannabinol and cannabidiol in C57BL/6JArc mice. <i>International Journal of Neuropsychopharmacology</i> , 2010 , 13, 861-76	5.8	131
111	Behavioural profile of a new mouse model for NPY deficiency. <i>European Journal of Neuroscience</i> , 2008 , 28, 173-80	3.5	102
110	Long-term cannabidiol treatment prevents the development of social recognition memory deficits in Alzheimer's disease transgenic mice. <i>Journal of Alzheimer's Disease</i> , 2014 , 42, 1383-96	4.3	91
109	Evidence for Therapeutic Properties of Cannabidiol (CBD) for Alzheimer's Disease. <i>Frontiers in Pharmacology</i> , 2017 , 8, 20	5.6	86
108	Chronic cannabidiol treatment improves social and object recognition in double transgenic APP ^{swe} /PS1 ^{E9} mice. <i>Psychopharmacology</i> , 2014 , 231, 3009-17	4.7	84
107	Cognition in transmembrane domain neuregulin 1 mutant mice. <i>Neuroscience</i> , 2010 , 170, 800-7	3.9	82
106	Neuregulin 1 hypomorphic mutant mice: enhanced baseline locomotor activity but normal psychotropic drug-induced hyperlocomotion and prepulse inhibition regulation. <i>International Journal of Neuropsychopharmacology</i> , 2009 , 12, 1383-93	5.8	80
105	T177. CANNABIDIOL AS A POTENTIAL PREVENTATIVE TREATMENT IN A NEUREGULIN-1 MOUSE MODEL OF SCHIZOPHRENIA. <i>Schizophrenia Bulletin</i> , 2020 , 46, S298-S299	1.3	78
104	M91. ADDICTION-RELEVANT BEHAVIOURS FOR COCAINE IN A NEUREGULIN 1 MUTANT MOUSE MODEL OF SCHIZOPHRENIA. <i>Schizophrenia Bulletin</i> , 2020 , 46, S169-S169	1.3	78
103	Effect of Y1 receptor deficiency on motor activity, exploration, and anxiety. <i>Behavioural Brain Research</i> , 2006 , 167, 87-93	3.4	74
102	Y1 receptors regulate aggressive behavior by modulating serotonin pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 12742-7	11.5	74

101	Neuropeptide Y (NPY) cleaving enzymes: structural and functional homologues of dipeptidyl peptidase 4. <i>Peptides</i> , 2007 , 28, 257-68	3.8	69
100	Heterozygous neuregulin 1 mice display greater baseline and Delta(9)-tetrahydrocannabinol-induced c-Fos expression. <i>Neuroscience</i> , 2007 , 149, 861-70	3.9	68
99	Distinct neurobehavioural effects of cannabidiol in transmembrane domain neuregulin 1 mutant mice. <i>PLoS ONE</i> , 2012 , 7, e34129	3.7	65
98	Transmembrane domain Nrg1 mutant mice show altered susceptibility to the neurobehavioural actions of repeated THC exposure in adolescence. <i>International Journal of Neuropsychopharmacology</i> , 2013 , 16, 163-75	5.8	58
97	Behavioral profiling of NPY in aggression and neuropsychiatric diseases. <i>Peptides</i> , 2007 , 28, 326-33	3.8	58
96	Septal Glucagon-Like Peptide 1 Receptor Expression Determines Suppression of Cocaine-Induced Behavior. <i>Neuropsychopharmacology</i> , 2015 , 40, 1969-78	8.7	55
95	The schizophrenia susceptibility gene neuregulin 1 modulates tolerance to the effects of cannabinoids. <i>International Journal of Neuropsychopharmacology</i> , 2011 , 14, 631-43	5.8	54
94	A follow-up study: acute behavioural effects of Delta(9)-THC in female heterozygous neuregulin 1 transmembrane domain mutant mice. <i>Psychopharmacology</i> , 2010 , 211, 277-89	4.7	54
93	Behavioral profile of a heterozygous mutant mouse model for EGF-like domain neuregulin 1. <i>Behavioral Neuroscience</i> , 2008 , 122, 748-59	2.1	53
92	Behavioural effects of chronic haloperidol and risperidone treatment in rats. <i>Behavioural Brain Research</i> , 2006 , 171, 286-94	3.4	52
91	Extreme reduction of dipeptidyl peptidase IV activity in F344 rat substrains is associated with various behavioral differences. <i>Physiology and Behavior</i> , 2003 , 80, 123-34	3.5	51
90	Neuregulin-1 and schizophrenia in the genome-wide association study era. <i>Neuroscience and Biobehavioral Reviews</i> , 2016 , 68, 387-409	9	50
89	Do transmembrane domain neuregulin 1 mutant mice exhibit a reliable sensorimotor gating deficit?. <i>Behavioural Brain Research</i> , 2011 , 223, 336-41	3.4	48
88	A transgenic mouse model of spinocerebellar ataxia type 3 resembling late disease onset and gender-specific instability of CAG repeats. <i>Neurobiology of Disease</i> , 2010 , 37, 284-93	7.5	47
87	Novel behavioural characteristics of the APP(Swe)/PS1E9 transgenic mouse model of Alzheimer's disease. <i>Behavioural Brain Research</i> , 2013 , 245, 120-7	3.4	44
86	Stress-induced hyperthermia in the rat: comparison of classical and novel recording methods. <i>Laboratory Animals</i> , 2006 , 40, 186-93	2.6	44
85	Localization, transmission, spontaneous mutations, and variation of function of the Dpp4 (Dipeptidyl-peptidase IV; CD26) gene in rats. <i>Regulatory Peptides</i> , 2003 , 115, 81-90		44
84	Neuropeptide y attenuates stress-induced bone loss through suppression of noradrenaline circuits. <i>Journal of Bone and Mineral Research</i> , 2014 , 29, 2238-49	6.3	43

83	Cognition in female transmembrane domain neuregulin 1 mutant mice. <i>Behavioural Brain Research</i> , 2012 , 226, 218-23	3.4	42
82	Behavioral effects of neuropeptide Y in F344 rat substrains with a reduced dipeptidyl-peptidase IV activity. <i>Pharmacology Biochemistry and Behavior</i> , 2003 , 75, 869-79	3.9	42
81	Y1 receptors are critical for the proliferation of adult mouse precursor cells in the olfactory neuroepithelium. <i>Journal of Neurochemistry</i> , 2008 , 105, 641-52	6	39
80	Increased levels of serotonin 2A receptors and serotonin transporter in the CNS of neuregulin 1 hypomorphic/mutant mice. <i>Schizophrenia Research</i> , 2008 , 99, 341-9	3.6	38
79	Novel behavioural characteristics of female APPSwe/PS1E9 double transgenic mice. <i>Behavioural Brain Research</i> , 2014 , 260, 111-8	3.4	36
78	The yin and yang of cannabis-induced psychosis: the actions of (Δ)-tetrahydrocannabinol and cannabidiol in rodent models of schizophrenia. <i>Current Pharmaceutical Design</i> , 2012 , 18, 5113-30	3.3	36
77	Cognitive phenotyping of amyloid precursor protein transgenic J20 mice. <i>Behavioural Brain Research</i> , 2012 , 228, 392-7	3.4	35
76	Effect of maternal immune activation on the kynurenine pathway in preadolescent rat offspring and on MK801-induced hyperlocomotion in adulthood: amelioration by COX-2 inhibition. <i>Brain, Behavior, and Immunity</i> , 2014 , 41, 173-81	16.6	33
75	Behavioural consequences of IVC cages on male and female C57BL/6J mice. <i>Neuroscience</i> , 2013 , 237, 285-93	3.9	33
74	Understanding the function of ABCA7 in Alzheimer's disease. <i>Biochemical Society Transactions</i> , 2015 , 43, 920-3	5.1	33
73	Obesity and the associated mediators leptin, estrogen and IGF-I enhance the cell proliferation and early tumorigenesis of breast cancer cells. <i>Nutrition and Cancer</i> , 2009 , 61, 484-91	2.8	33
72	Role of Abca7 in mouse behaviours relevant to neurodegenerative diseases. <i>PLoS ONE</i> , 2012 , 7, e45959	3.7	32
71	A neuregulin 1 transmembrane domain mutation causes imbalanced glutamatergic and dopaminergic receptor expression in mice. <i>Neuroscience</i> , 2013 , 248, 670-80	3.9	30
70	Novel molecular changes induced by Nrg1 hypomorphism and Nrg1-cannabinoid interaction in adolescence: a hippocampal proteomic study in mice. <i>Frontiers in Cellular Neuroscience</i> , 2013 , 7, 15	6.1	30
69	Diet-induced adaptive thermogenesis requires neuropeptide FF receptor-2 signalling. <i>Nature Communications</i> , 2018 , 9, 4722	17.4	30
68	Effects of chronic risperidone treatment on the striatal protein profiles in rats. <i>Brain Research</i> , 2006 , 1113, 24-32	3.7	29
67	Disinhibition-like behavior in a P301S mutant tau transgenic mouse model of frontotemporal dementia. <i>Neuroscience Letters</i> , 2016 , 631, 24-29	3.3	28
66	Neuregulin 1: a prime candidate for research into gene-environment interactions in schizophrenia? Insights from genetic rodent models. <i>Frontiers in Behavioral Neuroscience</i> , 2013 , 7, 106	3.5	28

65	Distinct endocrine effects of chronic haloperidol or risperidone administration in male rats. <i>Neuropharmacology</i> , 2006 , 51, 1129-36	5.5	28
64	Apolipoprotein D modulates amyloid pathology in APP/PS1 Alzheimer's disease mice. <i>Neurobiology of Aging</i> , 2015 , 36, 1820-33	5.6	27
63	The therapeutic potential of the phytocannabinoid cannabidiol for Alzheimer's disease. <i>Behavioural Pharmacology</i> , 2017 , 28, 142-160	2.4	26
62	Partial genetic deletion of neuregulin 1 modulates the effects of stress on sensorimotor gating, dendritic morphology, and HPA axis activity in adolescent mice. <i>Schizophrenia Bulletin</i> , 2014 , 40, 1272-84 ¹⁻³		26
61	The therapeutic potential of the endocannabinoid system for Alzheimer's disease. <i>Expert Opinion on Therapeutic Targets</i> , 2012 , 16, 407-20	6.4	26
60	Dynorphin knockout reduces fat mass and increases weight loss during fasting in mice. <i>Molecular Endocrinology</i> , 2007 , 21, 1722-35		26
59	Assessment of diets containing curcumin, epigallocatechin-3-gallate, docosahexaenoic acid and Elipoic acid on amyloid load and inflammation in a male transgenic mouse model of Alzheimer's disease: Are combinations more effective?. <i>Neurobiology of Disease</i> , 2019 , 124, 505-519	7.5	25
58	Upregulation of Proteolytic Pathways and Altered Protein Biosynthesis Underlie Retinal Pathology in a Mouse Model of Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2019 , 56, 6017-6034	6.2	23
57	Schizophrenia-relevant behaviours in a genetic mouse model for Y2 deficiency. <i>Behavioural Brain Research</i> , 2010 , 207, 434-40	3.4	22
56	Cannabidiol (CBD) reduces anxiety-related behavior in mice via an FMRP-independent mechanism. <i>Pharmacology Biochemistry and Behavior</i> , 2019 , 181, 93-100	3.9	19
55	Chronic Microglial Activation in the GFAP-IL6 Mouse Contributes to Age-Dependent Cerebellar Volume Loss and Impairment in Motor Function. <i>Frontiers in Neuroscience</i> , 2019 , 13, 303	5.1	19
54	Schizophrenia: a consequence of gene-environment interactions?. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 435	3.5	19
53	The response of neuregulin 1 mutant mice to acute restraint stress. <i>Neuroscience Letters</i> , 2012 , 515, 82-6	3.3	19
52	Mouse models of frontotemporal dementia: A comparison of phenotypes with clinical symptomatology. <i>Neuroscience and Biobehavioral Reviews</i> , 2017 , 74, 126-138	9	18
51	Behavioural characteristics of the Prader-Willi syndrome related biallelic Snord116 mouse model. <i>Neuropeptides</i> , 2015 , 53, 71-7	3.3	17
50	Do individually ventilated cage systems generate a problem for genetic mouse model research?. <i>Genes, Brain and Behavior</i> , 2014 , 13, 713-20	3.6	17
49	Long-term behavioural effects of maternal obesity in C57BL/6J mice. <i>Physiology and Behavior</i> , 2019 , 199, 306-313	3.5	17
48	Schizophrenia-relevant behaviours of female mice overexpressing neuregulin 1 type III. <i>Behavioural Brain Research</i> , 2018 , 353, 227-235	3.4	16

47	Targeting Inflammatory Pathways in Alzheimer's Disease: A Focus on Natural Products and Phytomedicines. <i>CNS Drugs</i> , 2019 , 33, 457-480	6.7	15
46	Overexpression of Neuregulin 1 Type III Confers Hippocampal mRNA Alterations and Schizophrenia-Like Behaviors in Mice. <i>Schizophrenia Bulletin</i> , 2018 , 44, 865-875	1.3	15
45	Neuregulin 1 expression and electrophysiological abnormalities in the Neuregulin 1 transmembrane domain heterozygous mutant mouse. <i>PLoS ONE</i> , 2015 , 10, e0124114	3.7	15
44	Chronic Treatment with 50 mg/kg Cannabidiol Improves Cognition and Moderately Reduces A β 0 Levels in 12-Month-Old Male APP ^{swe} /PS1 ^{E9} Transgenic Mice. <i>Journal of Alzheimer's Disease</i> , 2020 , 74, 937-950	4.3	14
43	Sphingosine Kinase 2 Potentiates Amyloid Deposition but Protects against Hippocampal Volume Loss and Demyelination in a Mouse Model of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2019 , 39, 9645-9659	6.6	14
42	What does a mouse tell us about neuregulin 1-cannabis interactions?. <i>Frontiers in Cellular Neuroscience</i> , 2013 , 7, 18	6.1	14
41	Neuregulin 1 Prevents Phencyclidine-Induced Behavioral Impairments and Disruptions to GABAergic Signaling in Mice. <i>International Journal of Neuropsychopharmacology</i> , 2015 , 18, pyu114	5.8	13
40	PP, PYY and NPY: Synthesis, Storage, Release and Degradation. <i>Handbook of Experimental Pharmacology</i> , 2004 , 23-44	3.2	13
39	Testosterone attenuates and the selective estrogen receptor modulator, raloxifene, potentiates amphetamine-induced locomotion in male rats. <i>Hormones and Behavior</i> , 2015 , 70, 73-84	3.7	12
38	Cannabidiol (CBD) reduces cocaine-environment memory in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2020 , 199, 173065	3.9	11
37	Neuregulin 1 Deficiency Modulates Adolescent Stress-Induced Dendritic Spine Loss in a Brain Region-Specific Manner and Increases Complement 4 Expression in the Hippocampus. <i>Schizophrenia Bulletin</i> , 2019 , 45, 339-349	1.3	11
36	Acoustic startle response and sensorimotor gating in a genetic mouse model for the Y1 receptor. <i>Neuropeptides</i> , 2010 , 44, 233-9	3.3	10
35	Cerebral Apolipoprotein-D Is Hypoglycosylated Compared to Peripheral Tissues and Is Variably Expressed in Mouse and Human Brain Regions. <i>PLoS ONE</i> , 2016 , 11, e0148238	3.7	10
34	Contextual fear conditioning is enhanced in mice lacking functional sphingosine kinase 2. <i>Behavioural Brain Research</i> , 2017 , 333, 9-16	3.4	9
33	Y2Y4 receptor double knockout protects against obesity due to a high-fat diet or Y1 receptor deficiency in mice. <i>Diabetes</i> , 2006 , 55, 19-26	0.9	8
32	First behavioural assessment of a novel Imp2l knockdown mouse model with relevance for Gilles de la Tourette syndrome and Autism spectrum disorder. <i>Behavioural Brain Research</i> , 2019 , 374, 112057	3.4	6
31	First Behavioural Characterisation of a Knockout Mouse Model for the Transforming Growth Factor (TGF)- β Superfamily Cytokine, MIC-1/GDF15. <i>PLoS ONE</i> , 2017 , 12, e0168416	3.7	6
30	Medium-Dose Chronic Cannabidiol Treatment Reverses Object Recognition Memory Deficits of Transgenic Female Mice. <i>Frontiers in Pharmacology</i> , 2020 , 11, 587604	5.6	6

29	Behavioural effects of high fat diet in a mutant mouse model for the schizophrenia risk gene neuregulin 1. <i>Genes, Brain and Behavior</i> , 2016 , 15, 295-304	3.6	6
28	Onset of hippocampal network aberration and memory deficits in P301S tau mice are associated with an early gene signature. <i>Brain</i> , 2020 , 143, 1889-1904	11.2	5
27	The Endocannabinoid System across Postnatal Development in Transmembrane Domain Mutant Mice. <i>Frontiers in Psychiatry</i> , 2018 , 9, 11	5	5
26	Parent-of-origin effects on schizophrenia-relevant behaviours of type III neuregulin 1 mutant mice. <i>Behavioural Brain Research</i> , 2017 , 332, 250-258	3.4	5
25	Behavioural effects of high fat diet in adult Nrg1 type III transgenic mice. <i>Behavioural Brain Research</i> , 2020 , 377, 112217	3.4	5
24	Novel behavioural characteristics of the superoxide dismutase 1 G93A (SOD1) mouse model of amyotrophic lateral sclerosis include sex-dependent phenotypes. <i>Genes, Brain and Behavior</i> , 2020 , 19, e12604	3.6	5
23	Chronic cannabidiol (CBD) treatment did not exhibit beneficial effects in 4-month-old male TAU58/2 transgenic mice. <i>Pharmacology Biochemistry and Behavior</i> , 2020 , 196, 172970	3.9	4
22	Effect of Fluvoxamine on Amyloid- β Peptide Generation and Memory. <i>Journal of Alzheimer's Disease</i> , 2018 , 62, 1777-1787	4.3	4
21	Reduced type III neuregulin 1 expression does not modulate the behavioural sensitivity of mice to acute Δ^9 -tetrahydrocannabinol (D-THC). <i>Pharmacology Biochemistry and Behavior</i> , 2018 , 170, 64-70	3.9	4
20	Female neuregulin 1 heterozygous mice require repeated exposure to Δ^9 -tetrahydrocannabinol to alter sensorimotor gating function. <i>Pharmacopsychiatry</i> , 2013 , 46, 286-91	2	4
19	Sex-specific sensitivity to methamphetamine-induced schizophrenia-relevant behaviours in overexpressing mice. <i>Journal of Psychopharmacology</i> , 2021 , 35, 50-64	4.6	4
18	Novel Behavioural Characteristics of Male Human P301S Mutant Tau Transgenic Mice - A Model for Tauopathy. <i>Neuroscience</i> , 2020 , 431, 166-175	3.9	3
17	Molecular Basis of Cannabis-Induced Schizophrenia-Relevant Behaviours: Insights from Animal Models. <i>Current Behavioral Neuroscience Reports</i> , 2017 , 4, 254-279	1.7	3
16	Spatial Memory and Microglia Activation in a Mouse Model of Chronic Neuroinflammation and the Anti-inflammatory Effects of Apigenin. <i>Frontiers in Neuroscience</i> , 2021 , 15, 699329	5.1	3
15	Abca7 deletion does not affect adult neurogenesis in the mouse. <i>Bioscience Reports</i> , 2016 , 36,	4.1	3
14	The Interactive Nature of Cannabis and Schizophrenia Risk Genes 2017 , 335-344		2
13	Behavioural effects of high fat diet exposure starting in late adolescence in neuregulin 1 transmembrane domain mutant mice. <i>Behavioural Brain Research</i> , 2019 , 373, 112074	3.4	2
12	Genetic Rat Models for Schizophrenia. <i>Handbook of Behavioral Neuroscience</i> , 2016 , 23, 303-324	0.7	2

11	Mouse model of Alzheimer's disease demonstrates differential effects of early disease pathology on various brain regions. <i>Proteomics</i> , 2021 , 21, e2000213	4.8	1
10	Cross-Linking Cellular Prion Protein Induces Neuronal Type 2-Like Hypersensitivity. <i>Frontiers in Immunology</i> , 2021 , 12, 639008	8.4	1
9	The behavioural phenotype of 14-month-old female TAU58/2 transgenic mice. <i>Behavioural Brain Research</i> , 2021 , 397, 112943	3.4	1
8	Cannabinoid Modulation of Object Recognition and Location Memory: A Preclinical Assessment. <i>Handbook of Behavioral Neuroscience</i> , 2018 , 27, 461-488	0.7	1
7	Characterisation of the Mouse Cerebellar Proteome in the GFAP-IL6 Model of Chronic Neuroinflammation. <i>Cerebellum</i> , 2021 , 1	4.3	1
6	CuATSM improves motor function and extends survival but is not tolerated at a high dose in SOD1 mice with a C57BL/6 background. <i>Scientific Reports</i> , 2021 , 11, 19392	4.9	1
5	Cannabidiol (CBD) treatment improves spatial memory in 14-month-old female TAU58/2 transgenic mice.. <i>Behavioural Brain Research</i> , 2022 , 425, 113812	3.4	1
4	Effects of handling on the behavioural phenotype of the neuregulin 1 type III transgenic mouse model for schizophrenia. <i>Behavioural Brain Research</i> , 2021 , 405, 113166	3.4	0
3	Treatment of microglia with Anti-PrP monoclonal antibodies induces neuronal apoptosis .. <i>Heliyon</i> , 2021 , 7, e08644	3.6	0
2	Cannabis abuse and dependence315-329		
1	Behavioural effects of cage systems on the G93A Superoxide Dismutase 1 transgenic mouse model for amyotrophic lateral sclerosis. <i>Genes, Brain and Behavior</i> , 2021 , 20, e12735	3.6	