

Igor Branchi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90
papers

4,750
citations

41
h-index

68
g-index

99
ext. papers

5,741
ext. citations

5.2
avg, IF

5.63
L-index

#	Paper	IF	Citations
90	Ultrasonic vocalisation emitted by infant rodents: a tool for assessment of neurobehavioural development. <i>Behavioural Brain Research</i> , 2001 , 125, 49-56	3.4	234
89	Polybrominated diphenyl ethers: neurobehavioral effects following developmental exposure. <i>NeuroToxicology</i> , 2003 , 24, 449-62	4.4	208
88	Dark microglia: A new phenotype predominantly associated with pathological states. <i>Glia</i> , 2016 , 64, 826-39	14.6	207
87	Psychedelics and the essential importance of context. <i>Journal of Psychopharmacology</i> , 2018 , 32, 725-731	14.6	176
86	Early social enrichment shapes social behavior and nerve growth factor and brain-derived neurotrophic factor levels in the adult mouse brain. <i>Biological Psychiatry</i> , 2006 , 60, 690-6	7.9	171
85	Effects of perinatal exposure to a polybrominated diphenyl ether (PBDE 99) on mouse neurobehavioural development. <i>NeuroToxicology</i> , 2002 , 23, 375-84	4.4	163
84	Stress resilience during the coronavirus pandemic. <i>European Neuropsychopharmacology</i> , 2020 , 35, 12-16	1.2	161
83	Hypertension induces brain amyloid accumulation, cognitive impairment, and memory deterioration through activation of receptor for advanced glycation end products in brain vasculature. <i>Hypertension</i> , 2012 , 60, 188-97	8.5	155
82	Fractalkine receptor deficiency impairs microglial and neuronal responsiveness to chronic stress. <i>Brain, Behavior, and Immunity</i> , 2016 , 55, 114-125	16.6	136
81	The mouse communal nest: investigating the epigenetic influences of the early social environment on brain and behavior development. <i>Neuroscience and Biobehavioral Reviews</i> , 2009 , 33, 551-9	9	123
80	Ultrasonic vocalizations by infant laboratory mice: a preliminary spectrographic characterization under different conditions. <i>Developmental Psychobiology</i> , 1998 , 33, 249-56	3	114
79	The reciprocal interaction between serotonin and social behaviour. <i>Neuroscience and Biobehavioral Reviews</i> , 2012 , 36, 786-98	9	111
78	CX(3)CR1 deficiency alters hippocampal-dependent plasticity phenomena blunting the effects of enriched environment. <i>Frontiers in Cellular Neuroscience</i> , 2011 , 5, 22	6.1	102
77	Early social enrichment augments adult hippocampal BDNF levels and survival of BrdU-positive cells while increasing anxiety- and "depression"-like behavior. <i>Journal of Neuroscience Research</i> , 2006 , 83, 965-73	4.4	102
76	Differential in vitro neurotoxicity of the flame retardant PBDE-99 and of the PCB Aroclor 1254 in human astrocytoma cells. <i>Toxicology Letters</i> , 2004 , 154, 11-21	4.4	102
75	Fluoxetine effects on molecular, cellular and behavioral endophenotypes of depression are driven by the living environment. <i>Molecular Psychiatry</i> , 2017 , 22, 552-561	15.1	98
74	Epigenetic control of neurobehavioural plasticity: the role of neurotrophins. <i>Behavioural Pharmacology</i> , 2004 , 15, 353-62	2.4	97

73	Anxiety-like behaviour and associated neurochemical and endocrinological alterations in male pups exposed to prenatal stress. <i>Psychoneuroendocrinology</i> , 2012 , 37, 1646-58	5	94
72	Consistent behavioral phenotype differences between inbred mouse strains in the IntelliCage. <i>Genes, Brain and Behavior</i> , 2010 , 9, 722-31	3.6	91
71	Nonmotor symptoms in Parkinson's disease: investigating early-phase onset of behavioral dysfunction in the 6-hydroxydopamine-lesioned rat model. <i>Journal of Neuroscience Research</i> , 2008 , 86, 2050-61	4.4	90
70	Long-term effects of the periadolescent environment on exploratory activity and aggressive behaviour in mice: social versus physical enrichment. <i>Physiology and Behavior</i> , 2004 , 81, 443-53	3.5	86
69	Early life influences on emotional reactivity: evidence that social enrichment has greater effects than handling on anxiety-like behaviors, neuroendocrine responses to stress and central BDNF levels. <i>Neuroscience and Biobehavioral Reviews</i> , 2010 , 34, 808-20	9	84
68	Early interactions with mother and peers independently build adult social skills and shape BDNF and oxytocin receptor brain levels. <i>Psychoneuroendocrinology</i> , 2013 , 38, 522-32	5	83
67	The double edged sword of neural plasticity: increasing serotonin levels leads to both greater vulnerability to depression and improved capacity to recover. <i>Psychoneuroendocrinology</i> , 2011 , 36, 339-51	5	83
66	Early developmental exposure to BDE 99 or Aroclor 1254 affects neurobehavioural profile: interference from the administration route. <i>NeuroToxicology</i> , 2005 , 26, 183-92	4.4	80
65	Transgenic mouse in vivo library of human Down syndrome critical region 1: association between DYRK1A overexpression, brain development abnormalities, and cell cycle protein alteration. <i>Journal of Neuropathology and Experimental Neurology</i> , 2004 , 63, 429-40	3.1	78
64	Learning performances, brain NGF distribution and NPY levels in transgenic mice expressing TNF-alpha. <i>Behavioural Brain Research</i> , 2000 , 112, 165-75	3.4	74
63	Epigenetic modifications induced by early enrichment are associated with changes in timing of induction of BDNF expression. <i>Neuroscience Letters</i> , 2011 , 495, 168-72	3.3	69
62	Antidepressant treatment outcome depends on the quality of the living environment: a pre-clinical investigation in mice. <i>PLoS ONE</i> , 2013 , 8, e62226	3.7	62
61	Fluoxetine treatment affects the inflammatory response and microglial function according to the quality of the living environment. <i>Brain, Behavior, and Immunity</i> , 2016 , 58, 261-271	16.6	58
60	Transgenic and knock-out mouse pups: the growing need for behavioral analysis. <i>Genes, Brain and Behavior</i> , 2002 , 1, 135-41	3.6	56
59	Role of neuroinflammation in hypertension-induced brain amyloid pathology. <i>Neurobiology of Aging</i> , 2012 , 33, 205.e19-29	5.6	55
58	Changes in plasma levels of BDNF and NGF reveal a gender-selective vulnerability to early adversity in rhesus macaques. <i>Psychoneuroendocrinology</i> , 2009 , 34, 172-180	5	55
57	Rhes is involved in striatal function. <i>Molecular and Cellular Biology</i> , 2004 , 24, 5788-96	4.8	55
56	Communal nesting, an early social enrichment, increases the adult anxiety-like response and shapes the role of social context in modulating the emotional behavior. <i>Behavioural Brain Research</i> , 2006 , 172, 299-306	3.4	53

55	Mental disorders and risk of COVID-19-related mortality, hospitalisation, and intensive care unit admission: a systematic review and meta-analysis. <i>Lancet Psychiatry</i> , 2021 , 8, 797-812	23.3	52
54	Shaping brain development: mouse communal nesting blunts adult neuroendocrine and behavioral response to social stress and modifies chronic antidepressant treatment outcome. <i>Psychoneuroendocrinology</i> , 2010 , 35, 743-51	5	50
53	A role for ultrasonic vocalisation in social communication and divergence of natural populations of the house mouse (<i>Mus musculus domesticus</i>). <i>PLoS ONE</i> , 2014 , 9, e97244	3.7	49
52	Communal nesting, an early social enrichment, affects social competences but not learning and memory abilities at adulthood. <i>Behavioural Brain Research</i> , 2007 , 183, 60-6	3.4	47
51	Animal models of mental retardation: from gene to cognitive function. <i>Neuroscience and Biobehavioral Reviews</i> , 2003 , 27, 141-53	9	42
50	Interplay between inflammation and neural plasticity: Both immune activation and suppression impair LTP and BDNF expression. <i>Brain, Behavior, and Immunity</i> , 2019 , 81, 484-494	16.6	41
49	Electrophysiological Properties of CA1 Pyramidal Neurons along the Longitudinal Axis of the Mouse Hippocampus. <i>Scientific Reports</i> , 2016 , 6, 38242	4.9	41
48	Striatal 6-OHDA lesion in mice: Investigating early neurochemical changes underlying Parkinson's disease. <i>Behavioural Brain Research</i> , 2010 , 208, 137-43	3.4	36
47	Citalopram amplifies the influence of living conditions on mood in depressed patients enrolled in the STAR*D study. <i>Translational Psychiatry</i> , 2017 , 7, e1066	8.6	34
46	Not all stressors are equal: early social enrichment favors resilience to social but not physical stress in male mice. <i>Hormones and Behavior</i> , 2013 , 63, 503-9	3.7	34
45	Early social enrichment provided by communal nest increases resilience to depression-like behavior more in female than in male mice. <i>Behavioural Brain Research</i> , 2010 , 215, 71-6	3.4	32
44	Neonatal behaviors associated with ultrasonic vocalizations in mice (<i>mus musculus</i>): A slow-motion analysis. <i>Developmental Psychobiology</i> , 2004 , 44, 37-44	3	32
43	Effects of prenatal AZT on mouse neurobehavioral development and passive avoidance learning. <i>Neurotoxicology and Teratology</i> , 1999 , 21, 29-40	3.9	31
42	Early experiences: building up the tools to face the challenges of adult life. <i>Developmental Psychobiology</i> , 2014 , 56, 1661-74	3	28
41	Severe mental illness and European COVID-19 vaccination strategies. <i>Lancet Psychiatry</i> , 2021 , 8, 356-359	25.9	28
40	Gender-dependent resiliency to stressful and metabolic challenges following prenatal exposure to high-fat diet in the p66(<i>Shc</i> ^{-/-}) mouse. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 285	3.5	27
39	Scopolamine effects on ultrasonic vocalization emission and behavior in the neonatal mouse. <i>Behavioural Brain Research</i> , 2004 , 151, 9-16	3.4	23
38	The impact of the prolonged COVID-19 pandemic on stress resilience and mental health: A critical review across waves. <i>European Neuropsychopharmacology</i> , 2021 , 55, 22-83	1.2	22

37	A peripheral inflammatory signature discriminates bipolar from unipolar depression: A machine learning approach. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021 , 105, 110136	5.5	22
36	Combined Fluoxetine and Metformin Treatment Potentiates Antidepressant Efficacy Increasing IGF2 Expression in the Dorsal Hippocampus. <i>Neural Plasticity</i> , 2019 , 2019, 4651031	3.3	21
35	Birth spacing in the mouse communal nest shapes adult emotional and social behavior. <i>Physiology and Behavior</i> , 2009 , 96, 532-9	3.5	21
34	The role of microglia in mediating the effect of the environment in brain plasticity and behavior. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 390	6.1	20
33	Effects of spatial and cognitive enrichment on activity pattern and learning performance in three strains of mice in the IntelliMaze. <i>Behavior Genetics</i> , 2012 , 42, 449-60	3.2	20
32	Brain-immune crosstalk in the treatment of major depressive disorder. <i>European Neuropsychopharmacology</i> , 2021 , 45, 89-107	1.2	19
31	Refining learning and memory assessment in laboratory rodents. An ethological perspective. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2004 , 40, 231-6	1.6	16
30	Analysis of ultrasonic vocalizations emitted by infant rodents. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2006 , Chapter 13, Unit13.12	1	15
29	Neurobehavioral effects of prenatal lamivudine (3TC) exposure in preweaning mice. <i>Neurotoxicology and Teratology</i> , 1999 , 21, 365-73	3.9	15
28	Daily serum and salivary BDNF levels correlate with morning-evening personality type in women and are affected by light therapy. <i>Rivista Di Psichiatria</i> , 2012 , 47, 527-34	3.1	14
27	The richness of social stimuli shapes developmental trajectories: Are laboratory mouse pups impoverished?. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011 , 35, 1452-60	5.5	13
26	Predicting antidepressant treatment outcome based on socioeconomic status and citalopram dose. <i>Pharmacogenomics Journal</i> , 2019 , 19, 538-546	3.5	12
25	Prenatal exposure to anti-HIV drugs. long-term neurobehavioral effects of lamivudine (3TC) in CD-1 mice. <i>Neurotoxicology and Teratology</i> , 2000 , 22, 369-79	3.9	12
24	NGF: a social molecule. <i>Psychoneuroendocrinology</i> , 2006 , 31, 295-6; author reply 297-8	5	11
23	Viewpoint European COVID-19 exit strategy for people with severe mental disorders: Too little, but not yet too late. <i>Brain, Behavior, and Immunity</i> , 2021 , 94, 15-17	16.6	11
22	Utilisation of a physically-enriched environment by laboratory mice: age and gender differences. <i>Applied Animal Behaviour Science</i> , 2004 , 88, 149-162	2.2	10
21	Long-term effects of prenatal 3-azido-2-deoxythymidine (AZT) exposure on intermale aggressive behaviour of mice. <i>Psychopharmacology</i> , 1999 , 145, 317-23	4.7	10
20	Shaping therapeutic trajectories in mental health: Instructive vs. permissive causality. <i>European Neuropsychopharmacology</i> , 2021 , 43, 1-9	1.2	8

19	l-DOPA reverses the impairment of Dentate Gyrus LTD in experimental parkinsonism via Adrenergic receptors. <i>Experimental Neurology</i> , 2014 , 261, 377-85	5.7	7
18	A new easy accessible and low-cost method for screening olfactory sensitivity in mice: behavioural and nociceptive response in male and female CD-1 mice upon exposure to millipede aversive odour. <i>Brain Research Bulletin</i> , 2002 , 58, 193-202	3.9	7
17	Higher baseline interleukin-1 β and TNF- α hamper antidepressant response in major depressive disorder. <i>European Neuropsychopharmacology</i> , 2021 , 42, 35-44	1.2	7
16	Hippocampus-related effects of fluoxetine treatment under stressful vs enriched conditions. <i>Molecular Psychiatry</i> , 2017 , 22, 483	15.1	6
15	Quantitative and Qualitative Features of Neonatal Vocalizations in Mice. <i>Handbook of Behavioral Neuroscience</i> , 2018 , 139-147	0.7	5
14	Microglial-glucocorticoid receptor depletion alters the response of hippocampal microglia and neurons in a chronic unpredictable mild stress paradigm in female mice. <i>Brain, Behavior, and Immunity</i> , 2021 , 97, 423-439	16.6	4
13	Ontogeny of Stable Individual Differences 278-316		3
12	Active and passive avoidance 291-298		2
11	Vocal repertoire in mouse pups: strain differences. <i>Handbook of Behavioral Neuroscience</i> , 2010 , 89-95	0.7	2
10	Selecting antidepressants according to a drug-by-environment interaction: A comparison of fluoxetine and minocycline effects in mice living either in enriched or stressful conditions. <i>Behavioural Brain Research</i> , 2021 , 408, 113256	3.4	2
9	Adiponectin predicts poor response to antidepressant drugs in major depressive disorder. <i>Human Psychopharmacology</i> , 2021 , 36, e2793	2.3	1
8	The Intelligage system provides a reproducible and standardized method to assess behavioral changes in cuprizone-induced demyelination mouse model. <i>Behavioural Brain Research</i> , 2021 , 400, 1130394	3.4	1
7	RECENTERING NEUROSCIENCE ON BEHAVIOR: THE INTERFACE BETWEEN BRAIN AND ENVIRONMENT IS A PRIVILEGED LEVEL OF CONTROL OF NEURAL ACTIVITY.. <i>Neuroscience and Biobehavioral Reviews</i> , 2022 , 104678	9	1
6	PLASTICITY IN MENTAL HEALTH: A NETWORK THEORY.. <i>Neuroscience and Biobehavioral Reviews</i> , 2022 , 104691	9	0
5	P.2.b.018 Mouse communal nest: early social enrichment blunts adult depression-like phenotype altering BDNF epigenetic structure. <i>European Neuropsychopharmacology</i> , 2010 , 20, S363-S364	1.2	
4	Overview of behavioral teratology. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2005 , Chapter 13, Unit13.7	1	
3	Scoring learning and memory in developing rodents. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2006 , Chapter 13, Unit13.11	1	
2	SSRI treatment outcome is driven by the quality of the living environment. <i>European Neuropsychopharmacology</i> , 2016 , 26, S133	1.2	

- 1 An evolutionary perspective for contemporary psychiatric research. *Rivista Di Psichiatria*, **2011**, 46, 288-93.1