Bryan E Kolb

List of Publications by Year in Descending Order

305 papers	20,829 citations	73 h-index	135 g-index
322 ext. papers	22,589 ext. citations	3.8 avg, IF	7 L-index

#	Paper	IF	Citations
305	Sensitive Periods for Recovery from Early Brain Injury.. *Current Topics in Behavioral Neurosciences*, **2022**, 1	3.4	0
304	Tinnitus, sound intolerance, and mental health: the role of long-term occupational noise exposure.. *European Archives of Oto-Rhino-Laryngology*, **2022**, 1	3.5	1
303	Brenda Milner: Pioneer of the Study of the Human Frontal Lobes.. *Frontiers in Human Neuroscience*, **2021**, 15, 786167	3.3	0
302	An assessment of the functional effects of amphetamine-induced dendritic changes in the nucleus accumbens, medial prefrontal cortex, and hippocampus on different types of learning and memory function. *Neurobiology of Learning and Memory*, **2021**, 180, 107408	3.1	
301	Hearing Loss, Tinnitus, and Dizziness in COVID-19: A Systematic Review and Meta-Analysis. *Canadian Journal of Neurological Sciences*, **2021**, 1-12	1	18
300	Prefrontal neuronal morphology in kindling-prone (FAST) and kindling-resistant (SLOW) rats. *Synapse*, **2021**, 75, e22217	2.4	0
299	Age-related hearing loss and cognitive decline: MRI and cellular evidence. *Annals of the New York Academy of Sciences*, **2021**, 1500, 17-33	6.5	2
298	Traffic noise exposure, cognitive decline, and amyloid-beta pathology in an AD mouse model. *Synapse*, **2021**, 75, e22192	2.4	0
297	Prenatal stress dysregulates resting-state functional connectivity and sensory motifs. *Neurobiology of Stress*, **2021**, 15, 100345	7.6	
296	Critical period regulation across multiple timescales. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 23242-23251	11.5	94
295	Brain Development During Early Childhood **2020**, 1-14		
294	Neural oscillations and brain stimulation in Alzheimer's disease. *Progress in Neurobiology*, **2020**, 194, 101878	8.9	19
293	Prepulse inhibition of the acoustic startle reflex and P50 gating in aging and alzheimer's disease. *Ageing Research Reviews*, **2020**, 59, 101028	12	10
292	Auditory Dysfunction in Parkinson's Disease. *Movement Disorders*, **2020**, 35, 537-550	7	13
291	Considerations for advancing a well integrated comparative psychology research approach directed toward improving our understanding of fronto-executive functions.. *Psychology and Neuroscience*, **2020**, 13, 473-479	1.9	4
290	Social and olfactory experiences modify neuronal morphology of orbital frontal cortex. *Behavioral Neuroscience*, **2020**, 134, 59-68	2.1	4
289	Noise Damage Accelerates Auditory Aging and Tinnitus: A Canadian Population-Based Study. *Otology and Neurotology*, **2020**, 41, 1316-1326	2.6	4

288	Neonatal tactile stimulation reverses alterations in fine structure of small, but not large myelinated fibers, from the optic nerve of iron-deficient rats: A size-based selectivity. *Behavioural Brain Research*, **2020**, 379, 112357	3.4	
287	Caffeine consumption during development alters spine density and recovery from repetitive mild traumatic brain injury in young adult rats. *Synapse*, **2020**, 74, e22142	2.4	5
286	Analysis of Behavior in Laboratory Rats **2020**, 215-242		2
285	Short predictable stress promotes resistance to anxiety behavior and increases dendritic spines in prefrontal cortex and hippocampus. *Brain Research*, **2020**, 1746, 147020	3.7	1
284	Reply to a Letter by Dr. Stefani and Colleagues on: "Auditory Dysfunction in Parkinson's Disease". *Movement Disorders*, **2020**, 35, 1284-1285	7	1
283	Noise exposure accelerates the risk of cognitive impairment and Alzheimer's disease: Adulthood, gestational, and prenatal mechanistic evidence from animal studies. *Neuroscience and Biobehavioral Reviews*, **2020**, 117, 110-128	9	31
282	Life-Course Contribution of Prenatal Stress in Regulating the Neural Modulation Network Underlying the Prepulse Inhibition of the Acoustic Startle Reflex in Male Alzheimer's Disease Mice. *Cerebral Cortex*, **2020**, 30, 311-325	5.1	5
281	Age-related hearing loss and tinnitus, dementia risk, and auditory amplification outcomes. *Ageing Research Reviews*, **2019**, 56, 100963	12	40
280	Prenatal noise stress aggravates cognitive decline and the onset and progression of beta amyloid pathology in a mouse model of Alzheimer's disease. *Neurobiology of Aging*, **2019**, 77, 66-86	5.6	17
279	Ancestral Stress Alters Lifetime Mental Health Trajectories and Cortical Neuromorphology via Epigenetic Regulation. *Scientific Reports*, **2019**, 9, 6389	4.9	13
278	Epigenetics of Brain Aging: Lessons from Chemo Brain and Tumor Brain. *Healthy Ageing and Longevity*, **2019**, 185-202	0.5	
277	Gestational Stress Augments Postpartum □Amyloid Pathology and Cognitive Decline in a Mouse Model of Alzheimer's Disease. *Cerebral Cortex*, **2019**, 29, 3712-3724	5.1	12
276	Neonatal Stress Has a Long-Lasting Sex-Dependent Effect on Anxiety-Like Behavior and Neuronal Morphology in the Prefrontal Cortex and Hippocampus. *Developmental Neuroscience*, **2018**, 40, 93-103	2.2	12
275	Overview of Factors Influencing Brain Development **2018**, 51-79		0
274	Brain Plasticity and Experience **2018**, 341-389		5
273	DCC Receptors Drive Prefrontal Cortex Maturation by Determining Dopamine Axon□Targeting in Adolescence. *Biological Psychiatry*, **2018**, 83, 181-192	7.9	51
272	Growth of Malignant Non-CNS Tumors Alters Brain Metabolome. *Frontiers in Genetics*, **2018**, 9, 41	4.5	2
271	Growth of Triple Negative and Progesterone Positive Breast Cancer Causes Oxidative Stress and Down-Regulates Neuroprotective Transcription Factor NPAS4 and NPAS4-Regulated Genes in Hippocampal Tissues of TumorGraft Mice-an Aging Connection. *Frontiers in Genetics*, **2018**, 9, 58	4.5	6

270	THC alters alters morphology of neurons in medial prefrontal cortex, orbital prefrontal cortex, and nucleus accumbens and alters the ability of later experience to promote structural plasticity. *Synapse*, **2018**, 72, e22020	2.4	17
269	Juvenile social experience and differential age-related changes in the dendritic morphologies of subareas of the prefrontal cortex in rats. *Synapse*, **2018**, 72, e22022	2.4	5
268	Chronic traffic noise stress accelerates brain impairment and cognitive decline in mice. *Experimental Neurology*, **2018**, 308, 1-12	5.7	40
267	Preconception Paternal Stress in Rats Alters Brain and Behavior in Offspring. *Neuroscience*, **2018**, 388, 474-485	3.9	10
266	Stress and prefrontal cortical plasticity in the developing brain. *Cognitive Development*, **2017**, 42, 15-26	1.7	14
265	Tactile stimulation partially prevents neurodevelopmental changes in visual tract caused by early iron deficiency. *Brain Research*, **2017**, 1657, 130-139	3.7	4
264	The mane effect in the horse (Equus ferus caballus): Right mane dominance enhanced in mares but not associated with left and right manoeuvres in a reining competition. *Laterality*, **2017**, 22, 495-513	2	0
263	Assessment of a nutritional supplement containing resveratrol, prebiotic fiber, and omega-3 fatty acids for the prevention and treatment of mild traumatic brain injury in rats. *Neuroscience*, **2017**, 365, 146-157	3.9	29
262	Corticosterone response to gestational stress and postpartum memory function in mice. *PLoS ONE*, **2017**, 12, e0180306	3.7	21
261	Chemo brain or tumor brain - that is the question: the presence of extracranial tumors profoundly affects molecular processes in the prefrontal cortex of TumorGraft mice. *Aging*, **2017**, 9, 1660-1676	5.6	8
260	Ancestral Exposure to Stress Generates New Behavioral Traits and a Functional Hemispheric Dominance Shift. *Cerebral Cortex*, **2017**, 27, 2126-2138	5.1	24
259	Principles of plasticity in the developing brain. *Developmental Medicine and Child Neurology*, **2017**, 59, 1218-1223	3.3	54
258	Prenatal noise stress impairs HPA axis and cognitive performance in mice. *Scientific Reports*, **2017**, 7, 10560	4.9	38
257	The Adverse Effects of Auditory Stress on Mouse Uterus Receptivity and Behaviour. *Scientific Reports*, **2017**, 7, 4720	4.9	16
256	Low dose radiation effects on the brain - from mechanisms and behavioral outcomes to mitigation strategies. *Cell Cycle*, **2017**, 16, 1266-1270	4.7	17
255	Chemo brain: From discerning mechanisms to lifting the brain fog-An aging connection. *Cell Cycle*, **2017**, 16, 1345-1349	4.7	19
254	Effect of acute stress on auditory processing: a systematic review of human studies. *Reviews in the Neurosciences*, **2017**, 28, 1-13	4.7	19
253	Growth of malignant extracranial tumors alters microRNAome in the prefrontal cortex of TumorGraft mice. *Oncotarget*, **2017**, 8, 88276-88293	3.3	10

252	Chronic stress induces persistent changes in global DNA methylation and gene expression in the medial prefrontal cortex, orbitofrontal cortex, and hippocampus. *Neuroscience*, **2016**, 322, 489-99	3.9	31
251	Sex-specific effects of cytotoxic chemotherapy agents cyclophosphamide and mitomycin C on gene expression, oxidative DNA damage, and epigenetic alterations in the prefrontal cortex and hippocampus - an aging connection. *Aging*, **2016**, 8, 697-711	5.6	15
250	Liver irradiation causes distal bystander effects in the rat brain and affects animal behaviour. *Oncotarget*, **2016**, 7, 4385-98	3.3	20
249	Profound and Sexually Dimorphic Effects of Clinically-Relevant Low Dose Scatter Irradiation on the Brain and Behavior. *Frontiers in Behavioral Neuroscience*, **2016**, 10, 84	3.5	12
248	Assessing cognitive function in adults during or following chemotherapy: a scoping review. *Supportive Care in Cancer*, **2016**, 24, 3223-34	3.9	11
247	Recovery of Function: Dependency on Age **2015**, 56-60		
246	Prefrontal Cortex Development and Development of Cognitive Function **2015**, 817-823		1
245	Prefrontal Cortex **2015**, 811-816		2
244	Plasticity in the prefrontal cortex of adult rats. *Frontiers in Cellular Neuroscience*, **2015**, 9, 15	6.1	43
243	The Effect of Age on Brain Plasticity in Animal Models of Developmental Disability. *Neuromethods*, **2015**, 247-263	0.4	1
242	The development of lasting impairments: a mild pediatric brain injury alters gene expression, dendritic morphology, and synaptic connectivity in the prefrontal cortex of rats. *Neuroscience*, **2015** , 288, 145-55	3.9	28
241	Preconception paternal stress in rats alters dendritic morphology and connectivity in the brain of developing male and female offspring. *Neuroscience*, **2015**, 303, 200-10	3.9	24
240	Effects of prenatal exposure to valproic acid on the development of juvenile-typical social play in rats. *Behavioural Pharmacology*, **2015**, 26, 707-19	2.4	26
239	Childhood Poverty and Brain Development. *Human Development*, **2015**, 58, 215-217	1.7	9
238	Impulsivity and Concussion in Juvenile Rats: Examining Molecular and Structural Aspects of the Frontostriatal Pathway. *PLoS ONE*, **2015**, 10, e0139842	3.7	28
237	Tactile stimulation improves neuroanatomical pathology but not behavior in rats prenatally exposed to valproic acid. *Behavioural Brain Research*, **2015**, 282, 25-36	3.4	16
236	Brain development, experience, and behavior. *Pediatric Blood and Cancer*, **2014**, 61, 1720-3	3	23
235	Are 50-kHz calls used as play signals in the playful interactions of rats? I. Evidence from the timing and context of their use. *Behavioural Processes*, **2014**, 106, 60-6	1.6	55

234	Prenatal enrichment and recovery from perinatal cortical damage: effects of maternal complex housing. *Frontiers in Behavioral Neuroscience*, **2014**, 8, 223	3.5	12
233	Harnessing the power of neuroplasticity for intervention. *Frontiers in Human Neuroscience*, **2014**, 8, 377	3.3	39
232	The role of the medial prefrontal cortex in regulating interanimal coordination of movements. *Behavioral Neuroscience*, **2014**, 128, 603-13	2.1	19
231	Environmental enrichment alters structural plasticity of the adolescent brain but does not remediate the effects of prenatal nicotine exposure. *Synapse*, **2014**, 68, 293-305	2.4	13
230	Juvenile play experience does not affect nicotine sensitization and voluntary consumption of nicotine in adult rats. *Developmental Psychobiology*, **2014**, 56, 1052-60	3	2
229	Searching for the principles of brain plasticity and behavior. *Cortex*, **2014**, 58, 251-60	3.8	79
228	Does prenatal nicotine exposure alter the brainR response to nicotine in adolescence? A neuroanatomical analysis. *European Journal of Neuroscience*, **2013**, 38, 2491-503	3.5	11
227	Long-term alterations to dendritic morphology and spine density associated with prenatal exposure to nicotine. *Brain Research*, **2013**, 1499, 53-60	3.7	38
226	Training on motor and visual spatial learning tasks in early adulthood produces large changes in dendritic organization of prefrontal cortex and nucleus accumbens in rats given nicotine prenatally. *Neuroscience*, **2013**, 252, 178-89	3.9	13
225	Juvenile play experience primes neurons in the medial prefrontal cortex to be more responsive to later experiences. *Neuroscience Letters*, **2013**, 556, 42-5	3.3	39
224	Persistent gene expression changes in NAc, mPFC, and OFC associated with previous nicotine or amphetamine exposure. *Behavioural Brain Research*, **2013**, 256, 655-61	3.4	36
223	Stress and risk avoidance by exploring rats: implications for stress management in fear-related behaviours. *Behavioural Processes*, **2013**, 94, 89-98	1.6	8
222	Brain plasticity in the developing brain. *Progress in Brain Research*, **2013**, 207, 35-64	2.9	56
221	Olanzapine treatment of adolescent rats alters adult reward behaviour and nucleus accumbens function. *International Journal of Neuropsychopharmacology*, **2013**, 16, 1599-609	5.8	26
220	dcc orchestrates the development of the prefrontal cortex during adolescence and is altered in psychiatric patients. *Translational Psychiatry*, **2013**, 3, e338	8.6	64
219	Visualizing the effects of a positive early experience, tactile stimulation, on dendritic morphology and synaptic connectivity with Golgi-cox staining. *Journal of Visualized Experiments*, **2013**, e50694	1.6	4
218	Olanzapine treatment of adolescent rats causes enduring specific memory impairments and alters cortical development and function. *PLoS ONE*, **2013**, 8, e57308	3.7	40
217	Experience and the developing prefrontal cortex. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109 Suppl 2, 17186-93	11.5	345

216	Stress during development alters dendritic morphology in the nucleus accumbens and prefrontal cortex. *Neuroscience*, **2012**, 216, 103-9	3.9	101
215	Recovery from medial prefrontal cortex injury during adolescence: implications for age-dependent plasticity. *Behavioural Brain Research*, **2012**, 229, 168-75	3.4	19
214	Tactile stimulation during development alters behaviour and neuroanatomical organization of normal rats. *Behavioural Brain Research*, **2012**, 231, 86-91	3.4	41
213	Prenatal nicotine exposure alters neuroanatomical organization of the developing brain. *Synapse*, **2012**, 66, 950-4	2.4	41
212	Effects of rat prenatal exposure to valproic acid on behaviour and neuro-anatomy. *Developmental Neuroscience*, **2012**, 34, 268-76	2.2	46
211	Prenatal stress alters dendritic morphology and synaptic connectivity in the prefrontal cortex and hippocampus of developing offspring. *Synapse*, **2012**, 66, 308-14	2.4	94
210	Age, experience, injury, and the changing brain. *Developmental Psychobiology*, **2012**, 54, 311-25	3	56
209	Embryonic pretreatment with bromodeoxyuridine blocks regeneration and functional recovery from perinatal medial frontal lesions in rats. *Developmental Neuroscience*, **2012**, 34, 228-39	2.2	6
208	Epigenetic bystander-like effects of stroke in somatic organs. *Aging*, **2012**, 4, 224-34	5.6	8
207	Mild prenatal stress-modulated behavior and neuronal spine density without affecting amphetamine sensitization. *Developmental Neuroscience*, **2011**, 33, 85-98	2.2	55
206	Tactile stimulation during development attenuates amphetamine sensitization and structurally reorganizes prefrontal cortex and striatum in a sex-dependent manner. *Behavioral Neuroscience*, **2011**, 125, 161-74	2.1	28
205	Maternal separation altered behavior and neuronal spine density without influencing amphetamine sensitization. *Behavioural Brain Research*, **2011**, 223, 7-16	3.4	74
204	FGF-2 induces behavioral recovery after early adolescent injury to the motor cortex of rats. *Behavioural Brain Research*, **2011**, 225, 184-91	3.4	4
203	Sex-specific radiation-induced microRNAome responses in the hippocampus, cerebellum and frontal cortex in a mouse model. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2011**, 722, 114-8	3	83
202	Intensity matters: brain, behaviour and the epigenome of prenatally stressed rats. *Neuroscience*, **2011**, 180, 105-10	3.9	77
201	Induction and persistence of radiation-induced DNA damage is more pronounced in young animals than in old animals. *Aging*, **2011**, 3, 609-20	5.6	36
200	Brain plasticity and recovery from early cortical injury. *Developmental Medicine and Child Neurology*, **2011**, 53 Suppl 4, 4-8	3.3	36
199	Searching for factors underlying cerebral plasticity in the normal and injured brain. *Journal of Communication Disorders*, **2011**, 44, 503-14	1.9	26

198	Prenatal tactile stimulation attenuates drug-induced behavioral sensitization, modifies behavior, and alters brain architecture. *Brain Research*, **2011**, 1400, 53-65	3.7	17
197	Prenatal bystander stress induces neuroanatomical changes in the prefrontal cortex and hippocampus of developing rat offspring. *Brain Research*, **2011**, 1412, 55-62	3.7	33
196	Prenatal stress produces sexually dimorphic and regionally specific changes in gene expression in hippocampus and frontal cortex of developing rat offspring. *Developmental Neuroscience*, **2011**, 33, 531-8	2.2	56
195	Prenatal bystander stress alters brain, behavior, and the epigenome of developing rat offspring. *Developmental Neuroscience*, **2011**, 33, 159-69	2.2	31
194	The netrin receptor DCC is required in the pubertal organization of mesocortical dopamine circuitry. *Journal of Neuroscience*, **2011**, 31, 8381-94	6.6	88
193	Harnessing neuroplasticity for clinical applications. *Brain*, **2011**, 134, 1591-609	11.2	685
192	Brain plasticity and behaviour in the developing brain. *Journal of the Canadian Academy of Child and Adolescent Psychiatry*, **2011**, 20, 265-76	0.7	194
191	Factors influencing cerebral plasticity in the normal and injured brain. *Frontiers in Human Neuroscience*, **2010**, 4, 204	3.3	47
190	Juvenile peer play experience and the development of the orbitofrontal and medial prefrontal cortices. *Behavioural Brain Research*, **2010**, 207, 7-13	3.4	139
189	Acoustic tone or medial geniculate stimulation cue training in the rat is associated with neocortical neuroplasticity and reduced akinesia under haloperidol challenge. *Behavioural Brain Research*, **2010**, 214, 85-90	3.4	2
188	Tactile stimulation promotes motor recovery following cortical injury in adult rats. *Behavioural Brain Research*, **2010**, 214, 102-7	3.4	33
187	Tactile stimulation after frontal or parietal cortical injury in infant rats facilitates functional recovery and produces synaptic changes in adjacent cortex. *Behavioural Brain Research*, **2010**, 214, 115-20	3.4	42
186	Learning-induced alterations in prefrontal cortical dendritic morphology. *Behavioural Brain Research*, **2010**, 214, 91-101	3.4	44
185	A comparison of the effects of days 1 and 10 unilateral lesions of medial prefrontal cortex on cerebral morphogenesis and behavior. *Behavioural Brain Research*, **2010**, 214, 108-14	3.4	1
184	The hippocampus makes a significant contribution to experience-dependent neocortical plasticity. *Behavioural Brain Research*, **2010**, 214, 121-4	3.4	7
183	Motor cortex injury has different behavioral and anatomical effects in early and late adolescence. *Behavioral Neuroscience*, **2010**, 124, 612-22	2.1	14
182	Effects of neonatal medial versus lateral temporal cortex injury: theoretical comment on Malkova et al. (2010). *Behavioral Neuroscience*, **2010**, 124, 873-6	2.1	3
181	Early exposure to haloperidol or olanzapine induces long-term alterations of dendritic form. *Synapse*, **2010**, 64, 191-9	2.4	41

180	Factors influencing frontal cortex development and recovery from early frontal injury. *Developmental Neurorehabilitation*, **2009**, 12, 269-78	1.8	9
179	Hitting a moving target: Basic mechanisms of recovery from acquired developmental brain injury. *Developmental Neurorehabilitation*, **2009**, 12, 255-68	1.8	57
178	Amphetamine-induced changes in dendritic morphology in rat forebrain correspond to associative drug conditioning rather than nonassociative drug sensitization. *Biological Psychiatry*, **2009**, 65, 835-40	7.9	87
177	The role of the medial prefrontal cortex in the play fighting of rats. *Behavioral Neuroscience*, **2009**, 123, 1158-68	2.1	69
176	Brain and behavioural plasticity in the developing brain: Neuroscience and public policy. *Paediatrics and Child Health*, **2009**, 14, 651-2	0.7	13
175	Contrasting effects of motor and visual spatial learning tasks on dendritic arborization and spine density in rats. *Neurobiology of Learning and Memory*, **2008**, 90, 295-300	3.1	86
174	Social instability blocks functional restitution following motor cortex stroke in rats. *Behavioural Brain Research*, **2008**, 188, 219-26	3.4	19
173	The problem of relating plasticity and skilled reaching after motor cortex stroke in the rat. *Behavioural Brain Research*, **2008**, 192, 124-36	3.4	70
172	Sex-specific microRNAome deregulation in the shielded bystander spleen of cranially exposed mice. *Cell Cycle*, **2008**, 7, 1658-67	4.7	54
171	Effects of hypophysectomy on compulsive checking and cortical dendrites in an animal model of obsessive-compulsive disorder. *Behavioural Pharmacology*, **2008**, 19, 271-83	2.4	6
170	FGF-2-induced functional improvement from neonatal motor cortex injury via corticospinal projections. *Experimental Brain Research*, **2008**, 185, 453-60	2.3	17
169	Therapeutic effects of complex rearing or bFGF after perinatal frontal lesions. *Developmental Psychobiology*, **2008**, 50, 134-46	3	19
168	Brain plasticity and recovery from early cortical injury. *Developmental Psychobiology*, **2007**, 49, 107-18	3	79
167	Chronic phencyclidine treatment increases dendritic spine density in prefrontal cortex and nucleus accumbens neurons. *Synapse*, **2007**, 61, 978-84	2.4	25
166	Growth factor-stimulated generation of new cortical tissue and functional recovery after stroke damage to the motor cortex of rats. *Journal of Cerebral Blood Flow and Metabolism*, **2007**, 27, 983-97	7.3	209
165	Netrin-1 receptor-deficient mice show enhanced mesocortical dopamine transmission and blunted behavioural responses to amphetamine. *European Journal of Neuroscience*, **2007**, 26, 3215-28	3.5	52
164	Neurophysiological properties of cells filling the neonatal medial prefrontal cortex lesion cavity. *Brain Research*, **2007**, 1178, 38-43	3.7	7
163	The modulation of play fighting in rats: role of the motor cortex. *Behavioral Neuroscience*, **2007**, 121, 164-76	2.1	22

162	Motor inhibitory role of dopamine D1 receptors: implications for ADHD. *Physiology and Behavior*, **2007**, 92, 155-60	3.5	34
161	Chronic inhibition of cyclooxygenase-2 induces dendritic hypertrophy and limited functional improvement following motor cortex stroke. *Neuroscience*, **2007**, 144, 1160-8	3.9	13
160	Pre- and postnatal FGF-2 both facilitate recovery and alter cortical morphology following early medial prefrontal cortical injury. *Behavioural Brain Research*, **2007**, 180, 18-27	3.4	28
159	Dendritic plasticity in the adult rat following middle cerebral artery occlusion and Nogo-a neutralization. *Cerebral Cortex*, **2006**, 16, 529-36	5.1	109
158	Chronic low-dose administration of nicotine facilitates recovery and synaptic change after focal ischemia in rats. *Neuropharmacology*, **2006**, 50, 777-87	5.5	40
157	Differential expression of basic fibroblast growth factor-2 in the developing rat brain. *Neuroscience*, **2006**, 141, 213-21	3.9	20
156	Experience-dependent amelioration of motor impairments in adulthood following neonatal medial frontal cortex injury in rats is accompanied by motor map expansion. *Neuroscience*, **2006**, 141, 1315-26	3.9	18
155	The effects of orbital frontal cortex damage on the modulation of defensive responses by rats in playful and nonplayful social contexts. *Behavioral Neuroscience*, **2006**, 120, 72-84	2.1	82
154	Neocortical kindling is associated with opposing alterations in dendritic morphology in neocortical layer V and striatum from neocortical layer III. *Synapse*, **2006**, 59, 1-9	2.4	26
153	Chronic treatment with Delta-9-tetrahydrocannabinol alters the structure of neurons in the nucleus accumbens shell and medial prefrontal cortex of rats. *Synapse*, **2006**, 60, 429-36	2.4	68
152	FGF-2-induced cell proliferation stimulates anatomical, neurophysiological and functional recovery from neonatal motor cortex injury. *European Journal of Neuroscience*, **2006**, 24, 739-49	3.5	43
151	Basic fibroblast growth factor stimulates functional recovery after neonatal lesions of motor cortex in rats. *Neuroscience*, **2005**, 134, 1-8	3.9	37
150	Neural and behavioral plasticity associated with the transition from controlled to escalated cocaine use. *Biological Psychiatry*, **2005**, 58, 751-9	7.9	221
149	Opposite effects of amphetamine self-administration experience on dendritic spines in the medial and orbital prefrontal cortex. *Cerebral Cortex*, **2005**, 15, 341-8	5.1	136
148	Neonatal handling alters brain organization but does not influence recovery from perinatal cortical injury. *Behavioral Neuroscience*, **2005**, 119, 1375-83	2.1	19
147	Differential effects of nicotine and complex housing on subsequent experience-dependent structural plasticity in the nucleus accumbens. *Behavioral Neuroscience*, **2005**, 119, 355-65	2.1	51
146	A Golgi study of neuronal architecture in a genetic mouse model for Lesch-Nyhan disease. *Neurobiology of Disease*, **2005**, 20, 479-90	7.5	29
145	A quantitative comparison of synaptic density following perfusion versus immersion fixation in the rat cerebral cortex. *Microscopy Research and Technique*, **2005**, 67, 300-4	2.8	4

144	Nicotine stimulates dendritic arborization in motor cortex and improves concurrent motor skill but impairs subsequent motor learning. *Synapse*, **2005**, 55, 183-91	2.4	29
143	Organization and Plasticity of the Prefrontal Cortex of the Rat **2004**, 1-32		2
142	Improved mood and behavior during treatment with a mineral-vitamin supplement: an open-label case series of children. *Journal of Child and Adolescent Psychopharmacology*, **2004**, 14, 115-22	2.9	66
141	Evidence for bilateral control of skilled movements: ipsilateral skilled forelimb reaching deficits and functional recovery in rats follow motor cortex and lateral frontal cortex lesions. *European Journal of Neuroscience*, **2004**, 20, 3442-52	3.5	82
140	Differential neuroplastic changes in neocortical movement representations and dendritic morphology in epilepsy-prone and epilepsy-resistant rat strains following high-frequency stimulation. *European Journal of Neuroscience*, **2004**, 19, 2319-28	3.5	20
139	Selective brain responses to acute and chronic low-dose X-ray irradiation in males and females. *Biochemical and Biophysical Research Communications*, **2004**, 325, 1223-35	3.4	61
138	Structural plasticity associated with exposure to drugs of abuse. *Neuropharmacology*, **2004**, 47 Suppl 1, 33-46	5.5	919
137	Plasticity and functions of the orbital frontal cortex. *Brain and Cognition*, **2004**, 55, 104-15	2.7	99
136	The location of persistent amphetamine-induced changes in the density of dendritic spines on medium spiny neurons in the nucleus accumbens and caudate-putamen. *Neuropsychopharmacology*, **2003**, 28, 1082-5	8.7	135
135	Manipulation of gonadal hormones in neonatal rats alters the morphological response of cortical neurons to brain injury in adulthood. *Behavioral Neuroscience*, **2003**, 117, 257-62	2.1	22
134	Can a therapeutic dose of amphetamine during pre-adolescence modify the pattern of synaptic organization in the brain?. *European Journal of Neuroscience*, **2003**, 18, 3394-9	3.5	48
133	A comparison of different models of stroke on behaviour and brain morphology. *European Journal of Neuroscience*, **2003**, 18, 1950-62	3.5	141
132	Environmental complexity has different effects on the structure of neurons in the prefrontal cortex versus the parietal cortex or nucleus accumbens. *Synapse*, **2003**, 48, 149-53	2.4	82
131	Overview of cortical plasticity and recovery from brain injury. *Physical Medicine and Rehabilitation Clinics of North America*, **2003**, 14, S7-25, viii	2.3	29
130	Recovery from infant medial frontal cortical lesions in rats is reversed by cortical lesions in adulthood. *Behavioural Brain Research*, **2003**, 146, 57-63	3.4	23
129	Do rats have a prefrontal cortex?. *Behavioural Brain Research*, **2003**, 146, 3-17	3.4	759
128	Complete sparing of spatial learning following posterior and posterior plus anterior cingulate cortex lesions at 10 days of age in the rat. *Neuroscience*, **2003**, 122, 563-71	3.9	18
127	Role of the neocortex in the water maze task in the rat: a detailed behavioral and Golgi-Cox analysis. *Behavioural Brain Research*, **2003**, 138, 81-94	3.4	43

126	Recovery from early cortical damage in rats. IX. Differential behavioral and anatomical effects of temporal cortex lesions at different ages of neural maturation. *Behavioural Brain Research*, **2003**, 144, 67-76	3.4	10
125	Experience-dependent changes in dendritic arbor and spine density in neocortex vary qualitatively with age and sex. *Neurobiology of Learning and Memory*, **2003**, 79, 1-10	3.1	115
124	Brain Plasticity and Behavior. *Current Directions in Psychological Science*, **2003**, 12, 1-5	6.5	84
123	Amphetamine or cocaine limits the ability of later experience to promote structural plasticity in the neocortex and nucleus accumbens. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 10523-8	11.5	192
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