Robert F Berman

List of Publications by Year
in descending order

113 papers	5,842 citations	38660 50 h-index	88477 70 g-index
116 all docs	116 docs citations	116 times ranked	5144 citing authors

#	Article	IF	Citations
1	Antisense therapy in a rat model of Alexander disease reverses GFAP pathology, white matter deficits, and motor impairment. Science Translational Medicine, 2021, 13, eabg4711.	5.8	21
2	Allopregnanolone Improves Locomotor Activity and Arousal in the Aged CGG Knock-in Mouse Model of Fragile X-Associated Tremor/Ataxia Syndrome. Frontiers in Neuroscience, 2021, 15, 752973.	1.4	1
3	Astroglial-targeted expression of the fragile X CGG repeat premutation in mice yields RAN translation, motor deficits and possible evidence for cell-to-cell propagation of FXTAS pathology. Acta Neuropathologica Communications, 2019, 7, 27.	2.4	14
4	Developmental social communication deficits in the Shank3 rat model of phelanâ€mcdermid syndrome and autism spectrum disorder. Autism Research, 2018, 11, 587-601.	2.1	78
5	Variability in PolyIC induced immune response: Implications for preclinical maternal immune activation models. Journal of Neuroimmunology, 2018, 323, 87-93.	1.1	46
6	Upregulation of cystathione Î²â€synthase and p70S6K/S6 in neonatal hypoxic ischemic brain injury. Brain Pathology, 2017, 27, 449-458.	2.1	16
7	Behavioral Phenotyping of Juvenile Long-Evans and Sprague-Dawley Rats: Implications for Preclinical Models of Autism Spectrum Disorders. PLoS ONE, 2016, 11, e0158150.	1.1	60
8	What has been learned from mouse models of the Fragile X Premutation and Fragile X-associated tremor/ataxia syndrome?. Clinical Neuropsychologist, 2016, 30, 960-972.	1.5	5
9	Mouse Models for FXTAS and the Fragile X Premutation. , 2016, , 161-179.		0
10	Fragile X-Associated Tremor/Ataxia Syndrome (FXTAS) Motor Dysfunction Modeled in Mice. Cerebellum, 2016, 15, 611-622.	1.4	11
11	Protein Delivery of an Artificial Transcription Factor Restores Widespread Ube3a Expression in an Angelman Syndrome Mouse Brain. Molecular Therapy, 2016, 24, 548-555.	3.7	67
12	Reversibility of neuropathology and motor deficits in an inducible mouse model for FXTAS. Human Molecular Genetics, 2015, 24, 4948-4957.	1.4	50
13	Septohippocampal Neuromodulation Improves Cognition after Traumatic Brain Injury. Journal of Neurotrauma, 2015, 32, 1822-1832.	1.7	59
14	Mouse Models of the Fragile X Tremor/Ataxia Syndrome (FXTAS) and the Fragile X Premutation. , 2015, , 641-652.		0
15	Immune Dysregulation as a Cause of Autoinflammation in Fragile X Premutation Carriers: Link between FMRI CGG Repeat Number and Decreased Cytokine Responses. PLoS ONE, 2014, 9, e94475.	1.1	26
16	Induced expression of expanded CGG RNA causes mitochondrial dysfunctionin vivo. Cell Cycle, 2014, 13, 2600-2608.	1.3	56
17	CNS expression of murine fragile X protein (FMRP) as a function of CGG-repeat size. Human Molecular Genetics, 2014, 23, 3228-3238.	1.4	66
18	FMRpolyG-positive inclusions in CNS and non-CNS organs of a fragile X premutation carrier with fragile X-associated tremor/ataxia syndrome. Acta Neuropathologica Communications, 2014, 2, 162.	2.4	78

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19	Maternal immune activation leads to activated inflammatory macrophages in offspring. Brain, Behavior, and Immunity, 2014, 38, 220-226.	2.0	89
20	Mouse models of the fragile X premutation and fragile X-associated tremor/ataxia syndrome. Journal of Neurodevelopmental Disorders, 2014, 6, 25.	1.5	57
21	Reduced activity-dependent protein levels in a mouse model of the fragile X premutation. Neurobiology of Learning and Memory, 2014, 109, 160-168.	1.0	7
22	Using mouse models of autism spectrum disorders to study the neurotoxicology of geneâ€“environment interactions. Neurotoxicology and Teratology, 2013, 36, 17-35.	1.2	31
23	Effects of early postnatal alcohol exposure on the developing retinogeniculate projections in C57BL/6 mice. Alcohol, 2013, 47, 173-179.	0.8	16
24	Medial Septal Nucleus Theta Frequency Deep Brain Stimulation Improves Spatial Working Memory after Traumatic Brain Injury. Journal of Neurotrauma, 2013, 30, 131-139.	1.7	92
25	Maternal transfer of BDE-47 to offspring and neurobehavioral development in C57BL/6J mice. Neurotoxicology and Teratology, 2012, 34, 571-580.	1.2	45
26	Female CGG knock-in mice modeling the fragile X premutation are impaired on a skilled forelimb reaching task. Neurobiology of Learning and Memory, 2012, 97, 229-234.	1.0	30
27	Spatiotemporal processing deficits in female CGG KI mice modeling the fragile X premutation. Behavioural Brain Research, 2012, 233, 29-34.	1.2	16
28	Early mitochondrial abnormalities in hippocampal neurons cultured from Fmr1 preâ€mutation mouse model. Journal of Neurochemistry, 2012, 123, 613-621.	2.1	70
29	Distribution and frequency of intranuclear inclusions in female CGG KI mice modeling the fragile X premutation. Brain Research, 2012, 1472, 124-137.	1.1	13
30	Maternal autism-associated IgG antibodies delay development and produce anxiety in a mouse gestational transfer model. Journal of Neuroimmunology, 2012, 252, 56-65.	1.1	61
31	Lack of Evidence for Neonatal Misoprostol Neurodevelopmental Toxicity in C57BL6/J Mice. PLoS ONE, 2012, 7, e38911.	1.1	2
32	Long-lived epigenetic interactions between perinatal PBDE exposure and Mecp2308 mutation. Human Molecular Genetics, 2012, 21, 2399-2411.	1.4	104
33	CGG trinucleotide repeat length modulates neural plasticity and spatiotemporal processing in a mouse model of the fragile X premutation. Hippocampus, 2012, 22, 2260-2275.	0.9	31
34	Abnormal dendrite and spine morphology in primary visual cortex in the CGG knockâ€in mouse model of the fragile X premutation. Epilepsia, 2012, 53, 150-160.	2.6	48
35	Mouse Models of the Fragile X Premutation and the Fragile X Associated Tremor/Ataxia Syndrome. Results and Problems in Cell Differentiation, 2012, 54, 255-269.	0.2	16
36	Abstract 2357: Src Kinase Inhibition Blocks Thrombin-induced Brain Injuries without Cognitive Side Effects. Stroke, 2012, 43, .	1.0	0

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37	Motor deficits on a ladder rung task in male and female adolescent and adult CGG knock-in mice. Behavioural Brain Research, 2011, 222, 117-121.	1.2	42
38	Pharmacological enhancement of glutamate transport reduces excitotoxicity in vitro. Restorative Neurology and Neuroscience, 2011, 29, 331-346.	0.4	24
39	Rare Intranuclear Inclusions in the Brains of 3 Older Adult Males With Fragile X Syndrome: Implications for the Spectrum of Fragile X-Associated Disorders. Journal of Neuropathology and Experimental Neurology, 2011, 70, 462-469.	0.9	33
40	Effects of Early Postnatal Exposure to Ethanol on Retinal Ganglion Cell Morphology and Numbers of Neurons in the Dorsolateral Geniculate in Mice. Alcoholism: Clinical and Experimental Research, 2011, 35, 2063-2074.	1.4	23
41	Bioaccumulation and behavioral effects of 2,2â€²,4,4â€²-tetrabromodiphenyl ether (BDE-47) in perinatally exposed mice. Neurotoxicology and Teratology, 2011, 33, 393-404.	1.2	69
42	Widespread non-central nervous system organ pathology in fragile X premutation carriers with fragile X-associated tremor/ataxia syndrome and CGG knock-in mice. Acta Neuropathologica, 2011, 122, 467-479.	3.9	102
43	Premutation CGG-repeat expansion of the Fmr1 gene impairs mouse neocortical development. Human Molecular Genetics, 2011, 20, 64-79.	1.4	67
44	Ubiquitin-positive intranuclear inclusions in neuronal and glial cells in a mouse model of the fragile X premutation. Brain Research, 2010, 1318, 155-166.	1.1	59
45	Hippocampal Theta Dysfunction after Lateral Fluid Percussion Injury. Journal of Neurotrauma, 2010, 27, 1605-1615.	1.7	61
46	Neuroprotective Effects of Selective N-Type VGCC Blockade on Stretch-Injury-Induced Calcium Dynamics in Cortical Neurons. Journal of Neurotrauma, 2010, 27, 175-187.	1.7	30
47	Murine hippocampal neurons expressing Fmr1 gene premutations show early developmental deficits and late degeneration. Human Molecular Genetics, 2010, 19, 196-208.	1.4	143
48	Temporal ordering deficits in female CGG KI mice heterozygous for the fragile X premutation. Behavioural Brain Research, 2010, 213, 263-268.	1.2	54
49	Excitatory and inhibitory synaptic transmission is differentially influenced by two ortho-substituted polychlorinated biphenyls in the hippocampal slice preparation. Toxicology and Applied Pharmacology, 2009, 237, 168-177.	1.3	33
50	Progressive spatial processing deficits in a mouse model of the fragile X premutation.. Behavioral Neuroscience, 2009, 123, 1315-1324.	0.6	71
51	Mouse Models of Fragile X-Associated Tremor Ataxia. Journal of Investigative Medicine, 2009, 57, 837-841.	0.7	49
52	Environmental Enrichment Alters Neurotrophin Levels After Fetal Alcohol Exposure in Rats. Alcoholism: Clinical and Experimental Research, 2008, 32, 1741-1751.	1.4	21
53	CGGâ€repeat length and neuropathological and molecular correlates in a mouse model for fragile Xâ€associated tremor/ataxia syndrome. Journal of Neurochemistry, 2008, 107, 1671-1682.	2.1	100
54	Immunologic and neurodevelopmental susceptibilities of autism. NeuroToxicology, 2008, 29, 532-545.	1.4	46

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55	Differential Hippocampal Protection when Blocking Intracellular Sodium and Calcium Entry during Traumatic Brain Injury in Rats. Journal of Neurotrauma, 2008, 25, 1195-1205.	1.7	30
56	Low-Level Neonatal Thimerosal Exposure: Further Evaluation of Altered Neurotoxic Potential in SJL Mice. Toxicological Sciences, 2008, 101, 294-309.	1.4	47
57	Modeling Neonatal Thimerosal Exposure in Mice. Toxicological Sciences, 2008, 103, 416-416.	1.4	0
58	Phosphorylation of Calcium Calmodulinâ€"Dependent Protein Kinase II following Lateral Fluid Percussion Brain Injury in Rats. Journal of Neurotrauma, 2007, 24, 638-650.	1.7	43
59	Postnatal environmental or experiential amelioration of neurobehavioral effects of perinatal alcohol exposure in rats. Neuroscience and Biobehavioral Reviews, 2007, 31, 202-211.	2.9	57
60	Complex, multimodal behavioral profile of theHomer1knockout mouse. Genes, Brain and Behavior, 2007, 6, 141-154.	1.1	73
61	Methylmercury elicits rapid inhibition of cell proliferation in the developing brain and decreases cell cycle regulator, cyclin E. NeuroToxicology, 2006, 27, 970-981.	1.4	75
62	Effects of 17Î²-estradiol on intracellular calcium changes and neuronal survival after mechanical strain injury in neuronalâ€"glial cultures. Synapse, 2006, 60, 406-410.	0.6	28
63	NAAG peptidase inhibitor increases dialysate NAAG and reduces glutamate, aspartate and GABA levels in the dorsal hippocampus following fluid percussion injury in the rat. Journal of Neurochemistry, 2006, 97, 1015-1025.	2.1	92
64	Reversal learning after prenatal or early postnatal alcohol exposure in juvenile and adult rats. Alcohol, 2006, 38, 99-110.	0.8	40
65	An NMR metabolomic investigation of early metabolic disturbances following traumatic brain injury in a mammalian model. NMR in Biomedicine, 2005, 18, 507-516.	1.6	94
66	Anticonvulsant and Antinociceptive Actions of Novel Adenosine Kinase Inhibitors. Current Topics in Medicinal Chemistry, 2005, 5, 43-58.	1.0	100
67	Principles and Practices of Neurodevelopmental Assessment in Children: Lessons Learned from the Centers for Childrenâ€™s Environmental Health and Disease Prevention Research. Environmental Health Perspectives, 2005, 113, 1437-1446.	2.8	82
68	Comparison of Behavioral Deficits and Acute Neuronal Degeneration in Rat Lateral Fluid Percussion and Weight-Drop Brain Injury Models. Journal of Neurotrauma, 2004, 21, 521-539.	1.7	164
69	Neuroprotection in the rat lateral fluid percussion model of traumatic brain injury by SNX-185, an N-type voltage-gated calcium channel blocker. Experimental Neurology, 2004, 190, 70-78.	2.0	53
70	Changes in purine levels and adenosine receptors in kindled seizures in the rat. NeuroReport, 2004, 15, 1585-1589.	0.6	30
71	Cell death and long-term maintenance of neuron-like state after differentiation of rat bone marrow stromal cells: a comparison of protocols. Brain Research, 2003, 991, 46-55.	1.1	84
72	Early loss of astrocytes after experimental traumatic brain injury. Glia, 2003, 44, 140-152.	2.5	143

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73	Group I Metabotropic Glutamate Antagonist Reduces Acute Neuronal Degeneration and Behavioral Deficits after Traumatic Brain Injury in Rats. Experimental Neurology, 2001, 169, 191-199.	2.0	62
74	The Effect of Groups II and III Metabotropic Glutamate Receptor Activation on Neuronal Injury in a Rodent Model of Traumatic Brain Injury. Neurosurgery, 2001, 48, 1119-1127.	0.6	37
75	The Effect of Groups II and III Metabotropic Glutamate Receptor Activation on Neuronal Injury in a Rodent Model of Traumatic Brain Injury. Neurosurgery, 2001, 48, 1119-1127.	0.6	5
76	Effects of prenatal alcohol exposure on the hippocampus: Spatial behavior, electrophysiology, and neuroanatomy. Hippocampus, 2000, 10, 94-110.	0.9	315
77	Amelioration of fetal alcohol-related neurodevelopmental disorders in rats. Neurotoxicology and Teratology, 2000, 22, 103-111.	1.2	53
78	Evidence for increased dorsal hippocampal adenosine release and metabolism during pharmacologically induced seizures in rats. Brain Research, 2000, 872, 44-53.	1.1	98
79	Neurobehavioral protection by the neuronal calcium channel blocker Ziconotide in a model of traumatic diffuse brain injury in rats. Journal of Neurosurgery, 2000, 93, 821-828.	0.9	60
80	Effects of prenatal alcohol exposure on the hippocampus: Spatial behavior, electrophysiology, and neuroanatomy. Hippocampus, 2000, 10, 94.	0.9	14
81	ICP Monitoring in the Rat: Comparison of Monitoring in the Ventricle, Brain Parenchyma, and Cisterna Magna. Journal of Neurotrauma, 1999, 16, 1095-1102.	1.7	33
82	Electrophysiology of Hippocampal CA1 Neurons After Prenatal Ethanol Exposure. Alcohol, 1999, 17, 125-131.	0.8	39
83	Disruption of MAP-2 Immunostaining in Rat Hippocampus After Traumatic Brain Injury. Journal of Neurotrauma, 1998, 15, 349-363.	1.7	102
84	Effects of prenatal ethanol exposure on hippocampal theta activity in the rat. Alcohol, 1997, 14, 231-235.	0.8	20
85	Prenatal alcohol exposure and the effects of environmental enrichment on hippocampal dendritic spine density. Alcohol, 1996, 13, 209-216.	0.8	82
86	Attenuation of in vivo and in vitro seizure activity using the adenosine agonist, metrifudil. Drug Development Research, 1995, 34, 30-34.	1.4	2
87	Juvenile experience alters strategies used to solve the radial arm maze in rats. Cognitive, Affective and Behavioral Neuroscience, 1995, 23, 195-198.	1.2	2
88	Magnesium Sulfate Treatment Decreases N-Methyl-D-Aspartate Receptor Binding in the Rat Brain: An Autoradiographic Study. Journal of the Society for Gynecologic Investigation, 1994, 1, 25-30.	1.9	39
89	Radial arm maze deficits in rats exposed to alcohol during midgestation. Cognitive, Affective and Behavioral Neuroscience, 1994, 22, 181-185.	1.2	19
90	Chronic theophylline prolongs the refractory period in amygdala-kindled rats. Drug Development Research, 1993, 29, 287-291.	1.4	5

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91	Environmental enrichment and the behavioral effects of prenatal exposure to alcohol in rats. Neurotoxicology and Teratology, 1993, 15, 261-266.	1.2	88
92	Effects of water immersion stress on convulsions induced by pentylenetetrazol. Pharmacology Biochemistry and Behavior, 1993, 45, 823-825.	1.3	30
93	Adenosinergic modulation of the EEG and locomotor effects of the A2 agonist, CGS 21680. Pharmacology Biochemistry and Behavior, 1993, 45, 913-919.	1.3	15
94	The adenosine binding enhancer, PD 81,723, inhibits epileptiform bursting in the hippocampal brain slice. Brain Research, 1993, 619, 131-136.	1.1	25
95	Central anticonvulsant effects of magnesium sulfate on N-methyl-D-aspartate-induced seizures. American Journal of Obstetrics and Gynecology, 1993, 168, 974-978.	0.7	99
96	Peripheral magnesium sulfate enters the brain and increases the threshold for hippocampal seizures in rats. American Journal of Obstetrics and Gynecology, 1992, 167, 1605-1610.	0.7	91
97	Anticonvulsant effects of magnesium sulfate on hippocampal seizures: Therapeutic implications in preeclampsia-eclampsia. American Journal of Obstetrics and Gynecology, 1992, 166, 1127-1136.	0.7	57
98	Place and taste aversion learning: Role of basal forebrain, parietal cortex, and amygdala. Brain Research Bulletin, 1992, 29, 345-353.	1.4	55
99	Functional activity of the adenosine binding enhancer, PD 81,723, in the in vitro hippocampal slice. Brain Research, 1991, 567, 181-187.	1.1	22
100	Chronic theophylline treatment increases adenosine A1, but not A2, receptor binding in the rat brain: An autoradiographic study. Synapse, 1991, 9, 95-102.	0.6	44
101	Adenosine involvement in postictal events in amygdala-kindled rats. Epilepsy Research, 1990, 6, 171-179.	0.8	50
102	Prenatal alcohol exposure alters hippocampal slice electrophysiology. Alcohol, 1990, 7, 507-511.	0.8	44
103	The effects of p-chloroamphetamine, a depletor of brain serotonin, on the performance of rats in two types of positively reinforced complex spatial discrimination tasks. Behavioral and Neural Biology, 1989, 52, 131-144.	2.3	46
104	Persisting behavioral and neurochemical deficits in rats following lesions of the basal forebrain. Pharmacology Biochemistry and Behavior, 1988, 29, 581-586.	1.3	24
105	Differential Effects of Adenosine Analogs on Amygdala, Hippocampus, and Caudate Nucleus Kindled Seizures. Epilepsia, 1987, 28, 658-666.	2.6	45
106	Correlation of behavioral and cerebrovascular functions in the aging rat. Neurobiology of Aging, 1987, 8, 409-416.	1.5	52
107	Further characterizations of the nature of the behavioral and neurochemical effects of lesions to the nucleus basalis of meynert in the rat. Neurobiology of Aging, 1985, 6, 125-130.	1.5	80
108	Anticonvulsant effects of adenosine analogues on amygdaloid-kindled seizures in rats. Neuroscience Letters, 1984, 46, 317-322.	1.0	126

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109	Opiate modification of amygdaloid-kindled seizures in rats. Pharmacology Biochemistry and Behavior, 1982, 16, 751-756.	1.3	45
110	Phosphorylation of Synaptic Membranes. Journal of Neurochemistry, 1980, 34, 431-437.	2.1	23
111	Passive avoidance impairment in rats following cycloheximide injection into the amygdala. Brain Research, 1978, 158, 171-188.	1.1	51
112	Posttrial hippocampal, amygdaloid, and lateral hypothalamic electrical stimulation: Effects on short- and long-term memory of an appetitive experience.. Journal of Comparative and Physiological Psychology, 1976, 90, 260-267.	1.8	37
113	Effects of electrical stimulation of amygdala upon neophobia and taste aversion. Behavioral Biology, 1975, 13, 349-358.	2.3	57