Russell J Buono

List of Publications by Year in descending order

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45 papers	2,706 citations	361413 20 h-index	254184 43 g-index
45 all docs	45 docs citations	45 times ranked	6417 citing authors

#	Article	IF	Citations
1	Analysis of shared heritability in common disorders of the brain. Science, 2018, 360, .	12.6	1,085
2	Ultra-Rare Genetic Variation in the Epilepsies: A Whole-Exome Sequencing Study of 17,606 Individuals. American Journal of Human Genetics, 2019, 105, 267-282.	6.2	237
3	Mapping Loci for Pentylenetetrazol-Induced Seizure Susceptibility in Mice. Journal of Neuroscience, 1999, 19, 6733-6739.	3.6	179
4	Epilepsy, hippocampal sclerosis and febrile seizures linked by common genetic variation around SCN1A. Brain, 2013, 136, 3140-3150.	7.6	168
5	Fine mapping of a seizure susceptibility locus on mouse Chromosome 1: nomination of Kcnj10 as a causative gene. Mammalian Genome, 2004, 15, 239-251.	2.2	123
6	The relationship between the pharmacology of antiepileptic drugs and human gene variation: An overview. Epilepsy and Behavior, 2005, 7, 18-36.	1.7	75
7	Potassium channel activity and glutamate uptake are impaired in astrocytes of seizureâ€susceptible DBA/2 mice. Epilepsia, 2010, 51, 1707-1713.	5.1	62
8	BMAL1 controls the diurnal rhythm and set point for electrical seizure threshold in mice. Frontiers in Systems Neuroscience, 2014, 8, 121.	2.5	61
9	Mouse strain variation in maximal electroshock seizure threshold. Brain Research, 2002, 936, 82-86.	2.2	57
10	Cloning of murine CDK9/PITALRE and its tissue-specific expression in development. Journal of Cellular Physiology, 1998, 177, 206-213.	4.1	55
11	Quantitative Genetic Study of Maximal Electroshock Seizure Threshold in Mice: Evidence for a Major Seizure Susceptibility Locus on Distal Chromosome 1. Genomics, 2001, 75, 35-42.	2.9	48
12	Epilepsy subtype-specific copy number burden observed in a genome-wide study of 17â€‰458 subjects. Brain, 2020, 143, 2106-2118.	7.6	47
13	Identification of five mouse Î¼-opioid receptor (MOR) gene (Oprm1) splice variants containing a newly identified alternatively spliced exon. Gene, 2007, 395, 98-107.	2.2	38
14	Confirmation of a Major QTL Influencing Oral Morphine Intake in C57 and DBA Mice Using Reciprocal Congenic Strains. Neuropsychopharmacology, 2005, 30, 742-746.	5.4	37
15	Isoliquiritigenin suppresses cocaine-induced extracellular dopamine release in rat brain through GABAB receptor. European Journal of Pharmacology, 2008, 587, 124-128.	3.5	36
16	Sub-genic intolerance, ClinVar, and the epilepsies: A whole-exome sequencing study of 29,165 individuals. American Journal of Human Genetics, 2021, 108, 965-982.	6.2	35
17	Identification of three mouse Î¼-opioid receptor (MOR) gene (Oprm1) splice variants containing a newly identified alternatively spliced exon. Gene, 2007, 388, 135-147.	2.2	30
18	Recruitment rates and fear of phlebotomy in pediatric patients in a genetic study of epilepsy. Epilepsy and Behavior, 2005, 6, 444-446.	1.7	27

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19	Analysis of a Quantitative Trait Locus for Seizure Susceptibility in Mice Using Bacterial Artificial Chromosome-Mediated Gene Transfer. Epilepsia, 2007, 48, 1667-1677.	5.1	26
20	Proteomic and Behavioral Analysis of Response to Isoliquiritigenin in Brains of Acute Cocaine Treated Rats. Journal of Proteome Research, 2008, 7, 5094-5102.	3.7	23
21	Hypoxic Repression of Lactate Dehydrogenase-B in Retina. Experimental Eye Research, 1999, 69, 685-693.	2.6	22
22	Lack of association between single nucleotide polymorphisms in the corticotropin releasing hormone receptor 1 (CRHR1) gene and alcohol dependence. Journal of Psychiatric Research, 2005, 39, 475-479.	3.1	19
23	Identification and functional significance of polymorphisms in the Î¼-opioid receptor gene (Oprm) promoter of C57BL/6 and DBA/2 mice. Neuroscience Research, 2006, 55, 244-254.	1.9	19
24	Fine Mapping of a Major QTL Influencing Morphine Preference in C57BL/6 and DBA/2 Mice Using Congenic Strains. Neuropsychopharmacology, 2008, 33, 2801-2809.	5.4	18
25	Role of genetics in the diagnosis and treatment of epilepsy. Expert Review of Neurotherapeutics, 2006, 6, 1789-1800.	2.8	17
26	Quantitative trait locus for seizure susceptibility on mouse chromosome 5 confirmed with reciprocal congenic strains. Physiological Genomics, 2007, 31, 458-462.	2.3	17
27	Genome wide association studies (GWAS) and common forms of human epilepsy. Epilepsy and Behavior, 2013, 28, S63-S65.	1.7	17
28	Challenges and opportunities in the application of pharmacogenetics to antiepileptic drug therapy. Pharmacogenomics, 2006, 7, 89-103.	1.3	15
29	Changes in distribution of mitochondria in the developing chick retina. Experimental Eye Research, 1991, 53, 187-198.	2.6	14
30	The Molecular Genetic Interaction Between Circadian Rhythms and Susceptibility to Seizures and Epilepsy. Frontiers in Neurology, 2020, 11, 520.	2.4	12
31	Changes in expression and distribution of lactate dehydrogenase isoenzymes in the developing chick retina. Experimental Eye Research, 1991, 53, 199-204.	2.6	11
32	No association between common variations in the human alpha 2 subunit gene (ATP1A2) of the sodiumâ€“potassium-transporting ATPase and idiopathic generalized epilepsy. Neuroscience Letters, 2005, 382, 33-38.	2.1	11
33	Spectrum of Phenotypic, Genetic, and Functional Characteristics in Patients With Epilepsy With KCNC2 Pathogenic Variants. Neurology, 2022, 98, .	1.1	11
34	Using common genetic variants to find drugs for common epilepsies. Brain Communications, 2021, 3, fcab287.	3.3	9
35	Quantitative trait locus on distal chromosome 1 regulates the occurrence of spontaneous spikeâ€wave discharges in DBA/2 mice. Epilepsia, 2012, 53, 1429-1435.	5.1	8
36	Molecular analyses of carbonic anhydrase-II expression and regulation in the developing chicken lens. Developmental Dynamics, 1992, 194, 33-42.	1.8	7

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37	Novel De Novo Mutation of a Conserved SCN1A Amino-Acid Residue (R1596). Pediatric Neurology, 2007, 37, 303-305.	2.1	7
38	Genetic Variation in PADI6-PADI4 on 1p36.13 Is Associated with Common Forms of Human Generalized Epilepsy. Genes, 2021, 12, 1441.	2.4	7
39	Investigation of long interspersed elementâ€1 retrotransposons as potential risk factors for idiopathic temporal lobe epilepsy. Epilepsia, 2021, 62, 1329-1342.	5.1	6
40	Predicting outcome of initial treatment with carbamazepine in childhood focal epilepsy. Pediatric Neurology, 2004, 30, 311-315.	2.1	4
41	Quantitative trait loci analysis reveals candidate genes implicated in regulating functional deficit and CNS vascular permeability in CD8 T cell-initiated bloodâ€“brain barrier disruption. BMC Genomics, 2013, 14, 678.	2.8	2
42	Cognitive and behavioral effects of brief seizures in mice. Epilepsy and Behavior, 2019, 98, 249-257.	1.7	2
43	Cloning of murine CDK9/PITALRE and its tissueâ€specific expression in development. Journal of Cellular Physiology, 1998, 177, 206-213.	4.1	2
44	P2-050: The golden brain bank: An Alzheimer's disease tissue repository. , 2015, 11, P500-P500.		0
45	Genetic Causes of Medication-Resistant Epilepsy. , 2020, , 69-78.		0