Mark G Stewart

List of Publications by Year
in descending order

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Version: 2024-02-01

67 papers	2,229 citations	257450 24 h-index	223800 46 g-index
68 all docs	68 docs citations	68 times ranked	1765 citing authors

#	Article	IF	Citations
1	Differential distribution of inhibitory neuron types in subregions of claustrum and dorsal endopiriform nucleus of the short-tailed fruit bat. Brain Structure and Function, 2022, 227, 1615-1640.	2.3	3
2	Autonomic nerve activity and cardiovascular changes during discrete seizures in rats. Autonomic Neuroscience: Basic and Clinical, 2022, 240, 102971.	2.8	1
3	And when I dieÂâ€¦ÂWhat time should I expect it?. Journal of Physiology, 2021, 599, 1729-1730.	2.9	4
4	Assessment of respiratory effort with EMG extracted from ECG recordings during prolonged breath holds: Insights into obstructive apnea and extreme physiology. Physiological Reports, 2021, 9, e14873.	1.7	1
5	HIV Testing Correlates: U.S. and Foreign Born High-Risk Black Heterosexual Men. Journal of Immigrant and Minority Health, 2021, 23, 1145-1151.	1.6	0
6	Carollia perspicillata: A Small Bat with Tremendous Translational Potential for Studies of Brain Aging and Neurodegeneration. Biomedicines, 2021, 9, 1454.	3.2	2
7	Adjournment in Community HIV Prevention: Exploring Transitions in Communityâ€“Academic Partnerships. Health Promotion Practice, 2020, 21, 544-551.	1.6	6
8	Involvement of the basal nucleus of Meynert on regional cerebral cortical vasodilation associated with masticatory muscle activity in rats. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2416-2428.	4.3	6
9	Causes and Effects Contributing to Sudden Death in Epilepsy and the Rationale for Prevention and Intervention. Frontiers in Neurology, 2020, 11, 765.	2.4	16
10	High Frequency Oscillations in Rat Hippocampal Slices: Origin, Frequency Characteristics, and Spread. Frontiers in Neurology, 2020, 11, 326.	2.4	7
11	Seizures induce obstructive apnea in DBA/2J audiogenic seizureâ€prone mice: Lifesaving impact of tracheal implants. Epilepsia, 2020, 61, e13-e16.	5.1	17
12	Proposed Mechanism-Based Risk Stratification and Algorithm to Prevent Sudden Death in Epilepsy. Frontiers in Neurology, 2020, 11, 618859.	2.4	1
13	HIV Prevention for Black Heterosexual Men: The Barbershop Talk with Brothers Cluster Randomized Trial. American Journal of Public Health, 2019, 109, 1131-1137.	2.7	27
14	Progress in defining autonomic consequences of seizure activity including sudden death. Clinical Autonomic Research, 2019, 29, 135-136.	2.5	5
15	Transformed ECG Signals Highlight Similarities Between Obstructive Sleep Apnea and Obstructive Apnea due to Seizure-Induced Laryngospasm. Journal of Clinical Sleep Medicine, 2019, 15, 1859-1859.	2.6	1
16	Reader response: Wrist sensor reveals sympathetic hyperactivity and hypoventilation before probable SUDEP. Neurology, 2018, 90, 712-713.	1.1	0
17	An explanation for sudden death in epilepsy (SUDEP). Journal of Physiological Sciences, 2018, 68, 307-320.	2.1	23
18	A Resuscitation Option for Upper Airway Occlusion Based on Bolus Transtracheal Lung Inflation. Laryngoscope Investigative Otolaryngology, 2018, 3, 296-303.	1.5	3

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19	Claustrum of the shortâ€tailed fruit bat, Carollia perspicillata: Alignment of cellular orientation and functional connectivity. Journal of Comparative Neurology, 2017, 525, 1459-1474.	1.6	15
20	Obstructive apnea due to laryngospasm links ictal to postictal events in <scp>SUDEP</scp> cases and offers practical biomarkers for review of past cases and prevention of new ones. Epilepsia, 2017, 58, e87-e90.	5.1	42
21	Monitoring Cardiorespiratory and Other Physiological Parameters During Seizures in Small Animals. , 2017, , 161-179.		0
22	Assessment of arterial stiffness from pedal artery Korotkoff sound recordings: feasibility and potential utility. Journal of the American Society of Hypertension, 2016, 10, 34-40.	2.3	0
23	A Rat Model for Exploring the Contributions of Ventricular Arrhythmias to Sudden Death in Epilepsy. , 2015, , 241-250.		1
24	Quantitative Video Laryngoscopy to Monitor Recovery from Recurrent Laryngeal Nerve Injury in the Rat. Otolaryngology - Head and Neck Surgery, 2014, 150, 824-826.	1.9	9
25	Vagal control of cardiac electrical activity and wall motion during ventricular fibrillation in large animals. Autonomic Neuroscience: Basic and Clinical, 2014, 183, 12-22.	2.8	12
26	Relation of autonomic and cardiac abnormalities to ventricular fibrillation in a rat model of epilepsy. Epilepsy Research, 2014, 108, 44-56.	1.6	37
27	Determination of heart rate variability with an electronic stethoscope. Clinical Autonomic Research, 2013, 23, 41-47.	2.5	9
28	Forebrain Atlas of the Short-tailed Fruit Bat, Carollia perspicillata. , 2013, , .		14
29	Autonomic boundary conditions for ventricular fibrillation and their implications for a novel defibrillation technique. Journal of Physiological Sciences, 2012, 62, 479-492.	2.1	12
30	Autonomic boundary conditions for ventricular fibrillation. FASEB Journal, 2012, 26, 703.8.	0.5	0
31	A new model for studying focal and generalized chronic seizures in anesthetized rats. FASEB Journal, 2012, 26, 710.2.	0.5	0
32	The Urethane/Kainate Seizure Model as a Tool to Explore Physiology and Death Associated with Seizures. , 2010, , .		1
33	Efferent and afferent vagal actions on cortical blood flow and kainic acid-induced seizure activity in urethane anesthetized rats. Autonomic Neuroscience: Basic and Clinical, 2010, 156, 144-148.	2.8	10
34	Cardiac Repolarization Indices in Epilepsy Patients. Cardiology, 2009, 114, 255-260.	1.4	44
35	Cardiac sympathetic nerve activity during kainic acidâ€“induced limbic cortical seizures in rats. Epilepsia, 2009, 50, 923-927.	5.1	32
36	Vagus nerve stimulation-induced bradyarrhythmias in rats. Autonomic Neuroscience: Basic and Clinical, 2009, 151, 98-105.	2.8	29

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37	Autonomic consequences of kainic acidâ€“induced limbic cortical seizures in rats: Peripheral autonomic nerve activity, acute cardiovascular changes, and death. Epilepsia, 2008, 49, 982-996.	5.1	79
38	Broadening of Activity with Flow across Neural Structures. Perception, 2008, 37, 401-407.	1.2	5
39	Simulation of Large Networks. , 2008, , 3-17.		1
40	Gap junctions on hippocampal mossy fiber axons demonstrated by thin-section electron microscopy and freezeâ€“fracture replica immunogold labeling. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12548-12553.	7.1	137
41	Continuous Stimulation of Transected Distal Nerves Fails to Prolong Action Potential Propagation. Clinical Orthopaedics and Related Research, 2006, 447, 209-213.	1.5	20
42	Chapter 30 Insights into the functional organization of limbic cortical circuits from studies of evoked potentials and spontaneous activity. Supplements To Clinical Neurophysiology, 2006, 59, 219-222.	2.1	0
43	Repeatable focal seizure suppression: A rat preparation to study consequences of seizure activity based on urethane anesthesia and reversible carotid artery occlusion. Journal of Neuroscience Methods, 2006, 155, 241-250.	2.5	28
44	Rule-based firing for network simulations. Neurocomputing, 2006, 69, 1160-1164.	5.9	33
45	Single Nerve Cells Acutely Dissociated from Animal and Human Brains for Studies of Epilepsy. , 2006, , 15-22.		1
46	Computer simulation of epilepsy: Implications for seizure spread and behavioral dysfunction. Epilepsy and Behavior, 2005, 7, 336-344.	1.7	16
47	Differential modulation by carbachol of four separate excitatory afferent systems to the rat subiculum in vitro. Hippocampus, 2004, 14, 986-999.	1.9	23
48	Chapter 11 Motor cortical and other cortical interneuronal networks that generate very high frequency waves. Supplements To Clinical Neurophysiology, 2003, 56, 119-142.	2.1	36
49	Long-term enhancement of excitatory synaptic inputs to layer V parahippocampal neurons by low frequency stimulation in rat brain slices. Neuroscience Research, 2002, 42, 65-77.	1.9	2
50	Intrinsic connectivity of the rat subiculum: I. Dendritic morphology and patterns of axonal arborization by pyramidal neurons. Journal of Comparative Neurology, 2001, 435, 490-505.	1.6	74
51	Intrinsic connectivity of the rat subiculum: II. Properties of synchronous spontaneous activity and a demonstration of multiple generator regions. Journal of Comparative Neurology, 2001, 435, 506-518.	1.6	50
52	Propagation of synchronous epileptiform events from subiculum backward into area CA1 of rat brain slices. Brain Research, 2001, 895, 41-49.	2.2	45
53	Propagation of synchronous burst discharges from entorhinal cortex to morphologically and electrophysiologically identified neurons of rat lateral amygdala. Brain Research, 2000, 884, 104-115.	2.2	13
54	Columnar activity supports propagation of population bursts in slices of rat entorhinal cortex. Brain Research, 1999, 830, 274-284.	2.2	23

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55	Re-entrant activity in a presubiculumâ€“subiculum circuit generates epileptiform activity in vitro. Brain Research, 1999, 849, 139-146.	2.2	34
56	Properties of Î³-frequency oscillations initiated by propagating population bursts in retrohippocampal regions of rat brain slices. Journal of Physiology, 1998, 510, 191-208.	2.9	53
57	GABA receptor-mediated post-synaptic potentials in the retrohippocampal cortices: regional, laminar and cellular comparisons. Brain Research, 1998, 787, 19-33.	2.2	34
58	Presubicular and Parasubicular Cortical Neurons of the Rat: Functional Separation of Deep and Superficial Neuronsin Vitro. Journal of Physiology, 1997, 501, 387-403.	2.9	49
59	Antidromic and orthodromic responses by subicular neurons in rat brain slices. Brain Research, 1997, 769, 71-85.	2.2	42
60	Presubicular and parasubicular cortical neurons of the rat: Electrophysiological and morphological properties. , 1997, 7, 117-129.		27
61	A method allowing intracellular and extracellular single-unit recordings from brain slices in the grease-gap chamber. Journal of Neuroscience Methods, 1995, 58, 17-24.	2.5	1
62	Current source density analysis of the hippocampal theta rhythm: associated sustained potentials and candidate synaptic generators. Brain Research, 1993, 615, 310-327.	2.2	228
63	Effects of atropine on hippocampal theta cells and complex-spike cells. Brain Research, 1992, 591, 122-128.	2.2	32
64	A comparison of corticospinal activation by magnetic coil and electrical stimulation of monkey motor cortex. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1990, 77, 390-401.	2.0	199
65	Corticospinal responses to electrical stimulation of motor cortex in the rat. Brain Research, 1990, 508, 341-344.	2.2	26
66	Do septal neurons pace the hippocampal theta rhythm?. Trends in Neurosciences, 1990, 13, 163-169.	8.6	478
67	Detection of an atropine-resistant component of the hippocampal theta rhythm in urethane-anesthetized rats. Brain Research, 1989, 500, 55-60.	2.2	49