Glenna C L Bett

List of Publications by Year
in descending order

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52 papers	2,173 citations	236833 25 h-index	243529 44 g-index
52 all docs	52 docs citations	52 times ranked	3020 citing authors

#	Article	IF	Citations
1	Identification of an INa-dependent and Ito-mediated proarrhythmic mechanism in cardiomyocytes derived from pluripotent stem cells of a Brugada syndrome patient. Scientific Reports, 2018, 8, 11246.	1.6	31
2	Depletion of stercobilin in fecal matter from a mouse model of autism spectrum disorders. Metabolomics, 2017, 13, 1.	1.4	9
3	Genomic upregulation of cardiac Cav1.2Î± and NCX1 by estrogen in women. Biology of Sex Differences, 2017, 8, 26.	1.8	30
4	Hormones and sex differences: changes in cardiac electrophysiology with pregnancy. Clinical Science, 2016, 130, 747-759.	1.8	28
5	Action Potential Shape Is a Crucial Measure of Cell Type of Stem Cell-Derived Cardiocytes. Biophysical Journal, 2016, 110, 284-286.	0.2	2
6	Mechanism of automaticity in cardiomyocytes derived from human induced pluripotent stem cells. Journal of Molecular and Cellular Cardiology, 2015, 81, 81-93.	0.9	92
7	Reconciling computer models and stem cell models of human cardiac repolarization: reply. Cardiovascular Research, 2015, 106, 6-7.	1.8	0
8	Modeling and study of the mechanism of dilated cardiomyopathy using induced pluripotent stem cells derived from individuals with Duchenne muscular dystrophy. DMM Disease Models and Mechanisms, 2015, 8, 457-466.	1.2	111
9	Regional variation of the inwardly rectifying potassium current in the canine heart and the contributions to differences in action potential repolarization. Journal of Molecular and Cellular Cardiology, 2015, 84, 52-60.	0.9	26
10	The Toxoplasma Dense Granule Proteins GRA17 and GRA23 Mediate the Movement of Small Molecules between the Host and the Parasitophorous Vacuole. Cell Host and Microbe, 2015, 17, 642-652.	5.1	208
11	Modeling and study of the mechanism of dilated cardiomyopathy using induced pluripotent stem cells derived from individuals with Duchenne muscular dystrophy. Development (Cambridge), 2015, 142, e0905-e0905.	1.2	3
12	Study familial hypertrophic cardiomyopathy using patient-specific induced pluripotent stem cells. Cardiovascular Research, 2014, 104, 258-269.	1.8	167
13	Enhanced Differentiation of Stem Cell Derived Cardiac Myocytes by Electronic Expression of IK1 Reveals an Atrial-Specific Kv1.5-Like Current. Biophysical Journal, 2014, 106, 631a.	0.2	1
14	Sex differences in the mechanisms underlying long QT syndrome. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H640-H648.	1.5	78
15	Autism and induced labor: is calcium a potential mechanistic link?. American Journal of Obstetrics and Gynecology, 2014, 210, 494-495.	0.7	4
16	Activation and Inactivation Steps Altered by Proline Hinge Mutations in Kv1.4. Biophysical Journal, 2013, 104, 126a.	0.2	0
17	Electronic â€œexpressionâ€•of the inward rectifier in cardiocytes derived from human-induced pluripotent stem cells. Heart Rhythm, 2013, 10, 1903-1910.	0.3	118
18	Relaxin Suppresses Atrial Fibrillation by Reversing Fibrosis and Myocyte Hypertrophy and Increasing Conduction Velocity and Sodium Current in Spontaneously Hypertensive Rat Hearts. Circulation Research, 2013, 113, 313-321.	2.0	103

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19	A Cav1.2 Ca 2+ channel mutation that reduces intestinal smooth muscle contractility. FASEB Journal, 2013, 27, .	0.2	0
20	Pregnancy in postural tachycardia syndrome: clinical course and maternal and fetal outcomes. Journal of Maternal-Fetal and Neonatal Medicine, 2012, 25, 1631-1634.	0.7	15
21	Interaction of the S6 Proline Hinge with N-Type and C-Type Inactivation inÂKv1.4 Channels. Biophysical Journal, 2012, 103, 1440-1450.	0.2	5
22	The HERG N-Terminal Interacts with Voltage Sensitive Transitions. Biophysical Journal, 2012, 102, 328a.	0.2	0
23	Markov Models of Use-Dependence and Reverse Use-Dependence during the Mouse Cardiac Action Potential. PLoS ONE, 2012, 7, e42295.	1.1	19
24	A Mouse Model of Timothy Syndrome: a Complex Autistic Disorder Resulting from a Point Mutation in Cav1.2. North American Journal of Medicine & Science, 2012, 5, 135.	3.8	30
25	Quantitative Analysis of Uterine Action Potentials. Journal of Genital System & Disorders, 2012, 01, 1000e102.	0.0	0
26	Mouse model of Timothy syndrome recapitulates triad of autistic traits. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15432-15437.	3.3	186
27	Modeling HERG Gating Transitions. Biophysical Journal, 2011, 100, 426a.	0.2	0
28	A Model of the Interaction between N-type and C-type Inactivation in Kv1.4 Channels. Biophysical Journal, 2011, 100, 11-21.	0.2	36
29	Models of HERG Gating. Biophysical Journal, 2011, 101, 631-642.	0.2	52
30	Sex specific association of potassium channel subunits. Journal of Physiology, 2011, 589, 5345-5346.	1.3	2
31	Expression of Kv4.3 Voltage-Gated Potassium Channels in Rat Gonadotrophin-Releasing Hormone (GnRH) Neurons During the Estrous Cycle. Reproductive Sciences, 2011, 18, 136-144.	1.1	12
32	Cav1.2 Ca 2+ channel knockâ€down alters colonic smooth muscle function. FASEB Journal, 2011, 25, lb572.	0.2	0
33	Counseling and screening for chromosomal abnormalities. American Journal of Obstetrics and Gynecology, 2010, 202, e13.	0.7	1
34	Regulation of the voltage-insensitive step of HERG activation by extracellular pH. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H1710-H1718.	1.5	17
35	Triple-Marker Prenatal Screening Program for Chromosomal Defects. Obstetrics and Gynecology, 2009, 114, 1147.	1.2	3
36	Modification of K⁺ channelâ€“drug interactions by ancillary subunits. Journal of Physiology, 2008, 586, 929-950.	1.3	27

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37	Effect of quantitative feedback on student performance on the National Board Medical Examination in an obstetrics and gynecology clerkship. American Journal of Obstetrics and Gynecology, 2007, 197, 530.e1-530.e5.	0.7	6
38	KChIP2b modulates the affinity and use-dependent block of Kv4.3 by nifedipine. Biochemical and Biophysical Research Communications, 2006, 340, 1167-1177.	1.0	22
39	Ancillary subunits and stimulation frequency determine the potency of chromanol 293B block of the KCNQ1 potassium channel. Journal of Physiology, 2006, 576, 755-767.	1.3	48
40	Hyperpolarization-Activated Cation Channels Are Expressed in Rat Hypothalamic Gonadotropin-Releasing Hormone (GnRH) Neurons and Immortalized GnRH Neurons. Journal of the Society for Gynecologic Investigation, 2006, 13, 442-450.	1.9	22
41	Time- and Voltage-Dependent Components of Kv4.3 Inactivation. Biophysical Journal, 2005, 89, 3026-3041.	0.2	46
42	Computer model of action potential of mouse ventricular myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H1378-H1403.	1.5	261
43	Inactivation and recovery in Kv1.4 K+channels: lipophilic interactions at the intracellular mouth of the pore. Journal of Physiology, 2004, 556, 109-120.	1.3	26
44	A model of graded calcium release and L-type Ca2+ channel inactivation in cardiac muscle. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H1154-H1169.	1.5	28
45	Functionally-Distinct Proton-Binding in HERG Suggests the Presence of Two Binding Sites. Cell Biochemistry and Biophysics, 2003, 39, 183-194.	0.9	22
46	Kv1.4 channel block by quinidine: evidence for a drugâ€induced allosteric effect. Journal of Physiology, 2003, 546, 387-401.	1.3	39
47	Câ€Type Inactivation Involves a Significant Decrease in the Intracellular Aqueous Pore Volume of Kv1.4 K + Channels Expressed in Xenopus Oocytes. Journal of Physiology, 2003, 549, 683-695.	1.3	36
48	Regulation of N- and C-type inactivation of Kv1.4 by pH_o and K⁺: evidence for transmembrane communication. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H71-H80.	1.5	28
49	Cholinergic modulation of the basal Lâ€type calcium current in ferret right ventricular myocytes. Journal of Physiology, 2002, 542, 107-117.	1.3	17
50	Computer Models of Ion Channels. , 2002, , 1-60.		6
51	Stretch-activated whole cell currents in adult rat cardiac myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 278, H548-H557.	1.5	148
52	Na-Ca Exchange Current During the Cardiac Action Potential. Advances in Experimental Medicine and Biology, 1992, 311, 453-454.	0.8	2