

Glenna C L Bett

List of Publications by Year in descending order

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Version: 2024-02-01

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	Computer model of action potential of mouse ventricular myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H1378-H1403.	1.5	261
2	The Toxoplasma Dense Granule Proteins GRA17 and GRA23 Mediate the Movement of Small Molecules between the Host and the Parasitophorous Vacuole. <i>Cell Host and Microbe</i> , 2015, 17, 642-652.	5.1	208
3	Mouse model of Timothy syndrome recapitulates triad of autistic traits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15432-15437.	3.3	186
4	Study familial hypertrophic cardiomyopathy using patient-specific induced pluripotent stem cells. <i>Cardiovascular Research</i> , 2014, 104, 258-269.	1.8	167
5	Stretch-activated whole cell currents in adult rat cardiac myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 278, H548-H557.	1.5	148
6	Electronic "expression" of the inward rectifier in cardiocytes derived from human-induced pluripotent stem cells. <i>Heart Rhythm</i> , 2013, 10, 1903-1910.	0.3	118
7	Modeling and study of the mechanism of dilated cardiomyopathy using induced pluripotent stem cells derived from individuals with Duchenne muscular dystrophy. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 457-466.	1.2	111
8	Relaxin Suppresses Atrial Fibrillation by Reversing Fibrosis and Myocyte Hypertrophy and Increasing Conduction Velocity and Sodium Current in Spontaneously Hypertensive Rat Hearts. <i>Circulation Research</i> , 2013, 113, 313-321.	2.0	103
9	Mechanism of automaticity in cardiomyocytes derived from human induced pluripotent stem cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 81, 81-93.	0.9	92
10	Sex differences in the mechanisms underlying long QT syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H640-H648.	1.5	78
11	Models of HERG Gating. <i>Biophysical Journal</i> , 2011, 101, 631-642.	0.2	52
12	Ancillary subunits and stimulation frequency determine the potency of chromanol 293B block of the KCNQ1 potassium channel. <i>Journal of Physiology</i> , 2006, 576, 755-767.	1.3	48
13	Time- and Voltage-Dependent Components of Kv4.3 Inactivation. <i>Biophysical Journal</i> , 2005, 89, 3026-3041.	0.2	46
14	Kv1.4 channel block by quinidine: evidence for a drug-induced allosteric effect. <i>Journal of Physiology</i> , 2003, 546, 387-401.	1.3	39
15	C-type Inactivation Involves a Significant Decrease in the Intracellular Aqueous Pore Volume of Kv1.4 K ⁺ Channels Expressed in <i>Xenopus</i> Oocytes. <i>Journal of Physiology</i> , 2003, 549, 683-695.	1.3	36
16	A Model of the Interaction between N-type and C-type Inactivation in Kv1.4 Channels. <i>Biophysical Journal</i> , 2011, 100, 11-21.	0.2	36
17	Identification of an INa-dependent and Ito-mediated proarrhythmic mechanism in cardiomyocytes derived from pluripotent stem cells of a Brugada syndrome patient. <i>Scientific Reports</i> , 2018, 8, 11246.	1.6	31
18	Genomic upregulation of cardiac Cav1.2 and NCX1 by estrogen in women. <i>Biology of Sex Differences</i> , 2017, 8, 26.	1.8	30

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19	A Mouse Model of Timothy Syndrome: a Complex Autistic Disorder Resulting from a Point Mutation in Cav1.2. <i>North American Journal of Medicine & Science</i> , 2012, 5, 135.	3.8	30
20	Regulation of N- and C-type inactivation of Kv1.4 by pH _o and K ⁺ : evidence for transmembrane communication. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 284, H71-H80.	1.5	28
21	A model of graded calcium release and L-type Ca ²⁺ channel inactivation in cardiac muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H1154-H1169.	1.5	28
22	Hormones and sex differences: changes in cardiac electrophysiology with pregnancy. <i>Clinical Science</i> , 2016, 130, 747-759.	1.8	28
23	Modification of K ⁺ channel drug interactions by ancillary subunits. <i>Journal of Physiology</i> , 2008, 586, 929-950.	1.3	27
24	Inactivation and recovery in Kv1.4 K ⁺ -channels: lipophilic interactions at the intracellular mouth of the pore. <i>Journal of Physiology</i> , 2004, 556, 109-120.	1.3	26
25	Regional variation of the inwardly rectifying potassium current in the canine heart and the contributions to differences in action potential repolarization. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 84, 52-60.	0.9	26
26	Functionally-Distinct Proton-Binding in HERG Suggests the Presence of Two Binding Sites. <i>Cell Biochemistry and Biophysics</i> , 2003, 39, 183-194.	0.9	22
27	KChIP2b modulates the affinity and use-dependent block of Kv4.3 by nifedipine. <i>Biochemical and Biophysical Research Communications</i> , 2006, 340, 1167-1177.	1.0	22
28	Hyperpolarization-Activated Cation Channels Are Expressed in Rat Hypothalamic Gonadotropin-Releasing Hormone (GnRH) Neurons and Immortalized GnRH Neurons. <i>Journal of the Society for Gynecologic Investigation</i> , 2006, 13, 442-450.	1.9	22
29	Markov Models of Use-Dependence and Reverse Use-Dependence during the Mouse Cardiac Action Potential. <i>PLoS ONE</i> , 2012, 7, e42295.	1.1	19
30	Cholinergic modulation of the basal L _v -type calcium current in ferret right ventricular myocytes. <i>Journal of Physiology</i> , 2002, 542, 107-117.	1.3	17
31	Regulation of the voltage-insensitive step of HERG activation by extracellular pH. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H1710-H1718.	1.5	17
32	Pregnancy in postural tachycardia syndrome: clinical course and maternal and fetal outcomes. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2012, 25, 1631-1634.	0.7	15
33	Expression of Kv4.3 Voltage-Gated Potassium Channels in Rat Gonadotrophin-Releasing Hormone (GnRH) Neurons During the Estrous Cycle. <i>Reproductive Sciences</i> , 2011, 18, 136-144.	1.1	12
34	Depletion of sterco bilin in fecal matter from a mouse model of autism spectrum disorders. <i>Metabolomics</i> , 2017, 13, 1.	1.4	9
35	Effect of quantitative feedback on student performance on the National Board Medical Examination in an obstetrics and gynecology clerkship. <i>American Journal of Obstetrics and Gynecology</i> , 2007, 197, 530.e1-530.e5.	0.7	6
36	Computer Models of Ion Channels. , 2002, , 1-60.		6

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37	Interaction of the S6 Proline Hinge with N-Type and C-Type Inactivation in Kv1.4 Channels. <i>Biophysical Journal</i> , 2012, 103, 1440-1450.	0.2	5
38	Autism and induced labor: is calcium a potential mechanistic link?. <i>American Journal of Obstetrics and Gynecology</i> , 2014, 210, 494-495.	0.7	4
39	Triple-Marker Prenatal Screening Program for Chromosomal Defects. <i>Obstetrics and Gynecology</i> , 2009, 114, 1147.	1.2	3
40	Modeling and study of the mechanism of dilated cardiomyopathy using induced pluripotent stem cells derived from individuals with Duchenne muscular dystrophy. <i>Development (Cambridge)</i> , 2015, 142, e0905-e0905.	1.2	3
41	Sex specific association of potassium channel subunits. <i>Journal of Physiology</i> , 2011, 589, 5345-5346.	1.3	2
42	Action Potential Shape Is a Crucial Measure of Cell Type of Stem Cell-Derived Cardiocytes. <i>Biophysical Journal</i> , 2016, 110, 284-286.	0.2	2
43	Na-Ca Exchange Current During the Cardiac Action Potential. <i>Advances in Experimental Medicine and Biology</i> , 1992, 311, 453-454.	0.8	2
44	Counseling and screening for chromosomal abnormalities. <i>American Journal of Obstetrics and Gynecology</i> , 2010, 202, e13.	0.7	1
45	Enhanced Differentiation of Stem Cell Derived Cardiac Myocytes by Electronic Expression of IK1 Reveals an Atrial-Specific Kv1.5-Like Current. <i>Biophysical Journal</i> , 2014, 106, 631a.	0.2	1
46	Modeling HERG Gating Transitions. <i>Biophysical Journal</i> , 2011, 100, 426a.	0.2	0
47	The HERG N-Terminal Interacts with Voltage Sensitive Transitions. <i>Biophysical Journal</i> , 2012, 102, 328a.	0.2	0
48	Activation and Inactivation Steps Altered by Proline Hinge Mutations in Kv1.4. <i>Biophysical Journal</i> , 2013, 104, 126a.	0.2	0
49	Reconciling computer models and stem cell models of human cardiac repolarization: reply. <i>Cardiovascular Research</i> , 2015, 106, 6-7.	1.8	0
50	Cav1.2 Ca ²⁺ channel knockdown alters colonic smooth muscle function. <i>FASEB Journal</i> , 2011, 25, lb572.	0.2	0
51	Quantitative Analysis of Uterine Action Potentials. <i>Journal of Genital System & Disorders</i> , 2012, 01, 1000e102.	0.0	0
52	A Cav1.2 Ca ²⁺ channel mutation that reduces intestinal smooth muscle contractility. <i>FASEB Journal</i> , 2013, 27, .	0.2	0