Fabien Brette

List of Publications by Year
in descending order

57 papers	2,476 citations	293460 24 h-index	299063 42 g-index
61 all docs	61 docs citations	61 times ranked	2426 citing authors

#	Article	IF	Citations
1	Why are you talking with snakes? To get new evolutionary insights in cardiac electrophysiology!. Journal of General Physiology, 2022, 154, .	0.9	0
2	Transverse tubules strike back: may the junctophilin-2 be with you. Cardiovascular Research, 2021, 117, 7-8.	1.8	0
3	Phenanthrene impacts zebrafish cardiomyocyte excitability by inhibiting IKr and shortening action potential duration. Journal of General Physiology, 2021, 153, .	0.9	21
4	Polyaromatic hydrocarbons in pollution: a heartâ€breaking matter. Journal of Physiology, 2020, 598, 227-247.	1.3	100
5	Hexosamine Pathway Induces Cardiac Arrhythmia via Modulation ofÂSustained Potassium Currentmodulation of Sustained Potassium Current. Biophysical Journal, 2020, 118, 345a.	0.2	0
6	Transient receptor potential channels in cardiac health and disease. Nature Reviews Cardiology, 2019, 16, 344-360.	6.1	83
7	Compartmentalized Structure of the Moderator Band Provides a Unique Substrate for Macroreentrant Ventricular Tachycardia. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e005913.	2.1	22
8	A Novel Cardiotoxic Mechanism for a Pervasive Global Pollutant. Scientific Reports, 2017, 7, 41476.	1.6	115
9	Increased Density of SERCA Pumps at the Periphery of Cardiac Purkinje Cells after Myocardial Infarction. Biophysical Journal, 2017, 112, 94a.	0.2	0
10	Properties of New Voltage Sensitive Dyes in Cardiac Field. Biophysical Journal, 2017, 112, 36a.	0.2	0
11	The calcium stored in the sarcoplasmic reticulum acts as a safety mechanism in rainbow trout heart. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R1493-R1501.	0.9	19
12	Crude Oil Impairs Cardiac Excitation-Contraction Coupling in Fish. Science, 2014, 343, 772-776.	6.0	284
13	Crude Oil Impairs Cardiac Excitation-Contraction Coupling in Fish. Biophysical Journal, 2014, 106, 732a.	0.2	4
14	Crude oil impairs cardiac excitationâ€contraction coupling in fish (878.3). FASEB Journal, 2014, 28, 878.3.	0.2	0
15	Epac activator critically regulates action potential duration by decreasing potassium current in rat adult ventricle. Journal of Molecular and Cellular Cardiology, 2013, 57, 96-105.	0.9	21
16	Functional subcellular distribution of Î²₁ - and Î²₂ -adrenergic receptors in rat ventricular cardiac myocytes. Physiological Reports, 2013, 1, e00038.	0.7	12
17	Calcium Stored in the Sarcoplasmic Reticulum Acts as a Safety Mechanism in Fish Heart. Biophysical Journal, 2011, 100, 290a.	0.2	0
18	Role of the T-Tubules in the Response of Cardiac Ventricular Myocytes to Inotropic Interventions. , 2011, , 255-266.		1

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19	Calcium polymorphic ventricular tachycardia: a new name for CPVT?. Cardiovascular Research, 2010, 87, 10-11.	1.8	3
20	Modulation of L-Type Calcium Current by Calcium-Dependent Mechanism in Trout Ventricular Myocytes. Biophysical Journal, 2010, 98, 711a.	0.2	0
21	Commentaries on Viewpoint: The cardiac contraction cycle: Is Ca2+ going local?. Journal of Applied Physiology, 2009, 107, 1985-1987.	1.2	0
22	The zebrafish heart â€"A suitable model for human cardiology?. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 153, S84.	0.8	3
23	The role of mammalian cardiac tâ€tubules in excitationâ€"contraction coupling: experimental and computational approaches. Experimental Physiology, 2009, 94, 509-519.	0.9	55
24	Quantification Of L-type Ca Current Inactivation Mechanisms In Trout Ventricular Myocytes.. Biophysical Journal, 2009, 96, 183a.	0.2	0
25	Mechanisms underlying adaptation of action potential duration by pacing rate in rat myocytes. Progress in Biophysics and Molecular Biology, 2008, 96, 305-320.	1.4	15
26	Quantification of t-tubule area and protein distribution in rat cardiac ventricular myocytes. Progress in Biophysics and Molecular Biology, 2008, 96, 244-257.	1.4	74
27	Characterization of isolated ventricular myocytes from adult zebrafish (Danio rerio). Biochemical and Biophysical Research Communications, 2008, 374, 143-146.	1.0	100
28	Electrophysiological characteristics of freshly isolated ventricular myocytes from Zebrafish (Danio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.2	0
29	t-tubules and sarcoplasmic reticulum function in cardiac ventricular myocytes. Cardiovascular Research, 2007, 77, 237-244.	1.8	87
30	Resurgence of Cardiac T-Tubule Research. Physiology, 2007, 22, 167-173.	1.6	70
31	Computational investigation of the adaptation of action potential duration by pacing rate in rat myocytes. Journal of Molecular and Cellular Cardiology, 2007, 42, S1-S2.	0.9	0
32	Antisense oligonucleotide against the Ca channel Î² subunit decreases L-type Ca current in rat ventricular myocytes. Biochemical and Biophysical Research Communications, 2007, 352, 794-798.	1.0	4
33	35.P3. Electrophysiological characteristics of freshly isolated ventricular myocytes from zebrafish (Danio rerio). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 148, S152.	0.8	0
34	Quantification of Calcium Entry at the T-Tubules and Surface Membrane in Rat Ventricular Myocytes. Biophysical Journal, 2006, 90, 381-389.	0.2	83
35	Density and sub-cellular distribution of cardiac and neuronal sodium channel isoforms in rat ventricular myocytes. Biochemical and Biophysical Research Communications, 2006, 348, 1163-1166.	1.0	56
36	Mechanisms underlying adaptation of action potential duration by pacing rate in rat myocytes. Journal of Molecular and Cellular Cardiology, 2006, 40, 980.	0.9	0

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37	Ca2+ currents in cardiac myocytes: Old story, new insights. Progress in Biophysics and Molecular Biology, 2006, 91, 1-82.	1.4	48
38	No Apparent Requirement for Neuronal Sodium Channels in Excitation-Contraction Coupling in Rat Ventricular Myocytes. Circulation Research, 2006, 98, 667-674.	2.0	69
39	Spatiotemporal characteristics of SR Ca uptake and release in detubulated rat ventricular myocytes. Journal of Molecular and Cellular Cardiology, 2005, 39, 804-812.	0.9	87
40	Differential Modulation of L-type Ca 2+ Current by SR Ca 2+ Release at the T-Tubules and Surface Membrane of Rat Ventricular Myocytes. Circulation Research, 2004, 95, e1-7.	2.0	83
41	Î²-adrenergic stimulation restores the Ca transient of ventricular myocytes lacking t-tubules. Journal of Molecular and Cellular Cardiology, 2004, 36, 265-275.	0.9	55
42	Na/Ca Exchange and Na/K-ATPase Function Are Equally Concentrated in Transverse Tubules of Rat Ventricular Myocytes. Biophysical Journal, 2003, 85, 3388-3396.	0.2	124
43	T-Tubule Function in Mammalian Cardiac Myocytes. Circulation Research, 2003, 92, 1182-1192.	2.0	333
44	Low-voltage triggering of Ca²⁺ release from the sarcoplasmic reticulum in cardiac muscle cells. American Journal of Physiology - Cell Physiology, 2003, 285, C1544-C1552.	2.1	4
45	Intracellular Cs⁺activates the PKA pathway, revealing a fast, reversible, Ca²⁺-dependent inactivation of L-type Ca²⁺current. American Journal of Physiology - Cell Physiology, 2003, 285, C310-C318.	2.1	21
46	Na + -Ca 2+ Exchange Activity Is Localized in the T-Tubules of Rat Ventricular Myocytes. Circulation Research, 2002, 91, 315-322.	2.0	100
47	Validation of formamide as a detubulation agent in isolated rat cardiac cells. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H1720-H1728.	1.5	124
48	Electrophysiological response of rat atrial myocytes to acidosis. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H715-H724.	1.5	30
49	Electrophysiological response of rat ventricular myocytes to acidosis. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H412-H422.	1.5	46
50	K + current distribution in rat sub-epicardial ventricular myocytes. Pflugers Archiv European Journal of Physiology, 2002, 444, 532-538.	1.3	28
51	Enhancement of the T-type Calcium Current by Hyposmotic Shock in Isolated Guinea-pig Ventricular Myocytes. Journal of Molecular and Cellular Cardiology, 2001, 33, 1363-1369.	0.9	20
52	Mechanisms Associated with the Negative Inotropic Effect of Deuterium Oxide in Single Rat Ventricular Myocytes. Experimental Physiology, 2000, 85, 133-142.	0.9	3
53	Biphasic effects of hyposmotic challenge on excitation-contraction coupling in rat ventricular myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H1963-H1971.	1.5	20
54	Effects on L-Type Calcium Current of Agents Interfering with the Cytoskeleton of Isolated Guinea-Pig Ventricular Myocytes. Experimental Physiology, 1999, 84, 1043-1050.	0.9	15

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55	Modulation of ions channels and membrane receptors activities by mechanical interventions in cardiomyocytes: possible mechanisms for mechanosensitivity. Progress in Biophysics and Molecular Biology, 1999, 71, 29-58.	1.4	29
56	EFFECTS ON L-TYPE CALCIUM CURRENT OF AGENTS INTERFERING WITH THE CYTOSKELETON OF ISOLATED GUINEA-PIG VENTRICULAR MYOCYTES. Experimental Physiology, 1999, 84, 1043-1050.	0.9	4
57	Validation of Activation Recovery Interval in Structurally Normal Human Ventricles by Optical Mapping. , 0, , .		0