C Frank Starmer

List of Publications by Year
in descending order

Version: 2024-02-01

34	1,691	430874	434195
papers	citations	18 h-index	31 g-index

35	35	35	1016
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Indicator Transit Time Considered as a Gamma Variate. Circulation Research, 1964, 14, 502-515.	4.5	562
2	The Nature of Treatment Selection in Coronary Artery Disease. Circulation, 1974, 49, 606-614.	1.6	124
3	Analysis of SPECT including Scatter and Attenuation Using Sophisticated Monte Carlo Modeling Methods. IEEE Transactions on Nuclear Science, 1982, 29, 506-511.	2.0	123
4	Long QT syndrome, Brugada syndrome, and conduction system disease are linked to a single sodium channel mutation. Journal of Clinical Investigation, 2002, 110, 1201-1209.	8.2	113
5	Synaptonemal complex karyotyping in spermatocytes of the Chinese hamster (Cricetulus griseus). Chromosoma, 1977, 60, 345-375.	2.2	99
6	Pressure-flow studies in man. An evaluation of the duration of the phases of systole. Journal of Clinical Investigation, 1969, 48, 895-905.	8.2	74
7	Multiple effects of KPQ deletion mutation on gating of human cardiac Na+ channels expressed in mammalian cells. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 274, H1643-H1654.	3.2	61
8	ELECTRICAL HAZARDS ASSOCIATED WITH CARDIAC PACEMAKING*. Annals of the New York Academy of Sciences, 2006, 111, 922-931.	3.8	55
9	Block of Wild-Type and Inactivation-Deficient Cardiac Sodium Channels IFM/QQQ Stably Expressed in Mammalian Cells. Biophysical Journal, 2000, 79, 3019-3035.	0.5	48
10	Electrical Hazards and Cardiovascular Function. New England Journal of Medicine, 1971, 284, 181-186.	27.0	46
11	Theoretical characterization of ion channel blockade: Ligand binding to periodically accessible receptors. Journal of Theoretical Biology, 1986, 119, 235-249.	1.7	40
12	21st Century Learning in Medicine: Traditional Teaching versus Team-based Learning. Medical Science Educator, 2012, 22, 57-64.	1.5	39
13	Evaluation of Several Methods for Computing Stroke Volume from Central Aortic Pressure. Circulation Research, 1973, 33, 139-148.	4.5	38
14	The Kinetics of Intramolecular Distribution of 15N in Uric Acid after Administration of [15N]Glycine A REAPPRAISAL OF THE SIGNIFICANCE OF PREFERENTIAL LABELING OF N-(3 + 9) OF URIC ACID IN PRIMARY GOUT. Journal of Clinical Investigation, 1973, 52, 2468-2485.	8.2	36
15	Î²-adrenergic action on wild-type and KPQ mutant human cardiac Na+ channels: shift in gating but no change in Ca2+: Na+ selectivity. Cardiovascular Research, 1999, 42, 490-502.	3.8	27
16	A theoretical analysis of acute ischemia and infarction using ECG reconstruction on a 2-D model of myocardium. IEEE Transactions on Biomedical Engineering, 2001, 48, 41-54.	4.2	26
17	Slow Sodium Channel Inactivation and Use-dependent Block Modulated by the Same Domain IV S6 Residue. Journal of Membrane Biology, 2005, 207, 107-117.	2.1	26
18	The Cardiac Vulnerable Period and Reentrant Arrhythmias: Targets of Anti- and Proarrhythmic Processes. PACE - Pacing and Clinical Electrophysiology, 1997, 20, 445-454.	1.2	23

#	Article	IF	Citations
19	What happens when cardiac Na channel function is compromised? 2. Numerical studies of the vulnerable period in tissue altered by drugs. Cardiovascular Research, 2003, 57, 1062-1071.	3.8	23
20	HOW ANTIARRHYTHMIC DRUGS INCREASE THE RATE OF SUDDEN CARDIAC DEATH. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 1953-1968.	1.7	19
21	What happens when cardiac Na channels lose their function? 1 â€“ Numerical studies of the vulnerable period in tissue expressing mutant channels. Cardiovascular Research, 2003, 57, 82-91.	3.8	19
22	Kinetics of interaction of disopyramide with the cardiac sodium channel: Fast dissociation from open channels at normal rest potentials. Journal of Membrane Biology, 1993, 136, 199-214.	2.1	18
23	SPIRAL TIP MOVEMENT: THE ROLE OF THE ACTION POTENTIAL WAVELENGTH IN POLYMORPHIC CARDIAC ARRHYTHMIAS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1996, 06, 1909-1923.	1.7	10
24	Ischemic modulation of vulnerable period and the effects of pharmacological treatment of ischemia-induced arrhythmias: a simulation study. IEEE Transactions on Biomedical Engineering, 2003, 50, 168-177.	4.2	7
25	Non-Uniform Dispersion of the Source-Sink Relationship Alters Wavefront Curvature. PLoS ONE, 2013, 8, e78328.	2.5	7
26	Signal Discretization: A Source of Error in Histograms of Ion Channel Events. IEEE Transactions on Biomedical Engineering, 1986, BME-33, 70-73.	4.2	6
27	Hitting a Moving Target: Toward a Compliance-driven Patient Record. Journal of the American Medical Informatics Association: JAMIA, 2002, 9, 659-660.	4.4	2
28	The Role of Intrinsic and Induced Vulnerability in Electrically Induced Cardiac Arrhythmias. Journal of Cardiovascular Electrophysiology, 2006, 17, 1369-1370.	1.7	2
29	A DSS for management of patients with a chronic illness. Data Base for Advances in Information Systems, 1977, 8, 51-57.	1.7	1
30	Feedback stabilization of control policy selection in data/knowledge based systems. , 1984, , .		1
31	Exploring Reentrant Arrhythmias with Numerical Experiments: Generic Properties and Model Complexity. Journal of Cardiovascular Electrophysiology, 2009, 20, 685-688.	1.7	1
32	Randomized Trials vs Data Banking. Circulation, 1974, 50, 642-644.	1.6	0
33	Problems in data management when studying chronic illness. Journal of Medical Systems, 1981, 5, 271-280.	3.6	0
34	A recursively interpreted data structure for representing clinical entities. Journal of Medical Systems, 1982, 6, 183-196.	3.6	0