

# C Frank Starmer

## List of Publications by Year in descending order

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34  
papers

1,691  
citations

430874

18  
h-index

434195

31  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1016  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Uniform Dispersion of the Source-Sink Relationship Alters Wavefront Curvature. <i>PLoS ONE</i> , 2013, 8, e78328.	2.5	7
2	21st Century Learning in Medicine: Traditional Teaching versus Team-based Learning. <i>Medical Science Educator</i> , 2012, 22, 57-64.	1.5	39
3	Exploring Reentrant Arrhythmias with Numerical Experiments: Generic Properties and Model Complexity. <i>Journal of Cardiovascular Electrophysiology</i> , 2009, 20, 685-688.	1.7	1
4	ELECTRICAL HAZARDS ASSOCIATED WITH CARDIAC PACEMAKING*. <i>Annals of the New York Academy of Sciences</i> , 2006, 111, 922-931.	3.8	55
5	The Role of Intrinsic and Induced Vulnerability in Electrically Induced Cardiac Arrhythmias. <i>Journal of Cardiovascular Electrophysiology</i> , 2006, 17, 1369-1370.	1.7	2
6	Slow Sodium Channel Inactivation and Use-dependent Block Modulated by the Same Domain IV S6 Residue. <i>Journal of Membrane Biology</i> , 2005, 207, 107-117.	2.1	26
7	Ischemic modulation of vulnerable period and the effects of pharmacological treatment of ischemia-induced arrhythmias: a simulation study. <i>IEEE Transactions on Biomedical Engineering</i> , 2003, 50, 168-177.	4.2	7
8	What happens when cardiac Na channel function is compromised? 2. Numerical studies of the vulnerable period in tissue altered by drugs. <i>Cardiovascular Research</i> , 2003, 57, 1062-1071.	3.8	23
9	What happens when cardiac Na channels lose their function? 1 " Numerical studies of the vulnerable period in tissue expressing mutant channels. <i>Cardiovascular Research</i> , 2003, 57, 82-91.	3.8	19
10	HOW ANTIARRHYTHMIC DRUGS INCREASE THE RATE OF SUDDEN CARDIAC DEATH. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002, 12, 1953-1968.	1.7	19
11	Hitting a Moving Target: Toward a Compliance-driven Patient Record. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2002, 9, 659-660.	4.4	2
12	Long QT syndrome, Brugada syndrome, and conduction system disease are linked to a single sodium channel mutation. <i>Journal of Clinical Investigation</i> , 2002, 110, 1201-1209.	8.2	113
13	A theoretical analysis of acute ischemia and infarction using ECG reconstruction on a 2-D model of myocardium. <i>IEEE Transactions on Biomedical Engineering</i> , 2001, 48, 41-54.	4.2	26
14	Block of Wild-Type and Inactivation-Deficient Cardiac Sodium Channels IFM/QQQ Stably Expressed in Mammalian Cells. <i>Biophysical Journal</i> , 2000, 79, 3019-3035.	0.5	48
15	$\beta$ -adrenergic action on wild-type and KPQ mutant human cardiac Na <sup>+</sup> channels: shift in gating but no change in Ca <sup>2+</sup> : Na <sup>+</sup> selectivity. <i>Cardiovascular Research</i> , 1999, 42, 490-502.	3.8	27
16	Multiple effects of KPQ deletion mutation on gating of human cardiac Na <sup>+</sup> channels expressed in mammalian cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 274, H1643-H1654.	3.2	61
17	The Cardiac Vulnerable Period and Reentrant Arrhythmias: Targets of Anti- and Proarrhythmic Processes. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1997, 20, 445-454.	1.2	23
18	SPIRAL TIP MOVEMENT: THE ROLE OF THE ACTION POTENTIAL WAVELENGTH IN POLYMORPHIC CARDIAC ARRHYTHMIAS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1996, 06, 1909-1923.	1.7	10

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19	Kinetics of interaction of disopyramide with the cardiac sodium channel: Fast dissociation from open channels at normal rest potentials. <i>Journal of Membrane Biology</i> , 1993, 136, 199-214.	2.1	18
20	Theoretical characterization of ion channel blockade: Ligand binding to periodically accessible receptors. <i>Journal of Theoretical Biology</i> , 1986, 119, 235-249.	1.7	40
21	Signal Discretization: A Source of Error in Histograms of Ion Channel Events. <i>IEEE Transactions on Biomedical Engineering</i> , 1986, BME-33, 70-73.	4.2	6
22	Feedback stabilization of control policy selection in data/knowledge based systems. , 1984, , .		1
23	Analysis of SPECT including Scatter and Attenuation Using Sophisticated Monte Carlo Modeling Methods. <i>IEEE Transactions on Nuclear Science</i> , 1982, 29, 506-511.	2.0	123
24	A recursively interpreted data structure for representing clinical entities. <i>Journal of Medical Systems</i> , 1982, 6, 183-196.	3.6	0
25	Problems in data management when studying chronic illness. <i>Journal of Medical Systems</i> , 1981, 5, 271-280.	3.6	0
26	A DSS for management of patients with a chronic illness. <i>Data Base for Advances in Information Systems</i> , 1977, 8, 51-57.	1.7	1
27	Synaptonemal complex karyotyping in spermatocytes of the Chinese hamster ( <i>Cricetulus griseus</i> ). <i>Chromosoma</i> , 1977, 60, 345-375.	2.2	99
28	The Nature of Treatment Selection in Coronary Artery Disease. <i>Circulation</i> , 1974, 49, 606-614.	1.6	124
29	Randomized Trials vs Data Banking. <i>Circulation</i> , 1974, 50, 642-644.	1.6	0
30	Evaluation of Several Methods for Computing Stroke Volume from Central Aortic Pressure. <i>Circulation Research</i> , 1973, 33, 139-148.	4.5	38
31	The Kinetics of Intramolecular Distribution of <sup>15</sup> N in Uric Acid after Administration of [ <sup>15</sup> N]Glycine A REAPPRAISAL OF THE SIGNIFICANCE OF PREFERENTIAL LABELING OF N-(3 + 9) OF URIC ACID IN PRIMARY GOUT. <i>Journal of Clinical Investigation</i> , 1973, 52, 2468-2485.	8.2	36
32	Electrical Hazards and Cardiovascular Function. <i>New England Journal of Medicine</i> , 1971, 284, 181-186.	27.0	46
33	Pressure-flow studies in man. An evaluation of the duration of the phases of systole. <i>Journal of Clinical Investigation</i> , 1969, 48, 895-905.	8.2	74
34	Indicator Transit Time Considered as a Gamma Variate. <i>Circulation Research</i> , 1964, 14, 502-515.	4.5	562