

Benjamin Hanson

List of Publications by Year in descending order

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52
papers

2,059
citations

304602

22
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254106

43
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all docs

54
docs citations

54
times ranked

1852
citing authors

#	ARTICLE	IF	CITATIONS
1	Modernising Orodispersible Film Characterisation to Improve Palatability and Acceptability Using a Toolbox of Techniques. <i>Pharmaceutics</i> , 2022, 14, 732.	2.0	7
2	Assessing the ability of substrate mapping techniques to guide ventricular tachycardia ablation using computational modelling. <i>Computers in Biology and Medicine</i> , 2021, 130, 104214.	3.9	12
3	The impact of modification techniques on the rheological properties of dysphagia foods and liquids. <i>Journal of Texture Studies</i> , 2020, 51, 154-168.	1.1	11
4	Release of updated International Dysphagia Diet Standardisation Initiative Framework (IDDSI 2.0). <i>Journal of Texture Studies</i> , 2020, 51, 195-196.	1.1	61
5	How Do Orodispersible Tablets Behave in an In Vitro Oral Cavity Model: A Pilot Study. <i>Pharmaceutics</i> , 2020, 12, 651.	2.0	9
6	Self-Abrading Servo Electrode Helmet for Electrical Impedance Tomography. <i>Sensors</i> , 2020, 20, 7058.	2.1	0
7	Experimental and Computational Investigation of the IDDSI Flow Test of Liquids Used in Dysphagia Management. <i>Annals of Biomedical Engineering</i> , 2019, 47, 2296-2307.	1.3	31
8	Characterizing the clinical implementation of a novel activation-repolarization metric to identify targets for catheter ablation of ventricular tachycardias using computational models. <i>Computers in Biology and Medicine</i> , 2019, 108, 263-275.	3.9	9
9	Left ventricular activation-recovery interval variability predicts spontaneous ventricular tachyarrhythmia in patients with heart failure. <i>Heart Rhythm</i> , 2019, 16, 702-709.	0.3	11
10	Mechanistic insights from targeted molecular profiling of repolarization alternans in the intact human heart. <i>Europace</i> , 2019, 21, 981-989.	0.7	11
11	In Vitro Oral Cavity Model for Screening the Disintegration Behavior of Orodispersible Films: A Bespoke Design. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 1831-1836.	1.6	6
12	Pulse Arrival Time and Pulse Interval as Accurate Markers to Detect Mechanical Alternans. <i>Annals of Biomedical Engineering</i> , 2019, 47, 1291-1299.	1.3	4
13	Fluid Testing Methods Recommended by IDDSI. <i>Dysphagia</i> , 2019, 34, 716-717.	1.0	9
14	Complex Interaction Between Low-Frequency APD Oscillations and Beat-to-Beat APD Variability in Humans Is Governed by the Sympathetic Nervous System. <i>Frontiers in Physiology</i> , 2019, 10, 1582.	1.3	7
15	Modulation of Tongue Pressure According to Liquid Flow Properties in Healthy Swallowing. <i>Journal of Speech, Language, and Hearing Research</i> , 2019, 62, 22-33.	0.7	18
16	A Mechanical Simulator of Tongue Palate Compression to Investigate the Oral Flow of Non-Newtonian Fluids. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 958-965.	3.7	16
17	Creation and Initial Validation of the International Dysphagia Diet Standardisation Initiative Functional Diet Scale. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 934-944.	0.5	76
18	Development of International Terminology and Definitions for Texture-Modified Foods and Thickened Fluids Used in Dysphagia Management: The IDDSI Framework. <i>Dysphagia</i> , 2017, 32, 293-314.	1.0	545

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19	A review of diet standardization and bolus rheology in the management of dysphagia. <i>Current Opinion in Otolaryngology and Head and Neck Surgery</i> , 2016, 24, 183-190.	0.8	37
20	Effects and underlying mechanisms of refractory period pacing on repolarization dynamics in the human heart. , 2016, 2016, 157-160.		0
21	Coupling of ventricular action potential duration and local strain patterns during reverse remodeling in responders and nonresponders to cardiac resynchronization therapy. <i>Heart Rhythm</i> , 2016, 13, 1898-1904.	0.3	6
22	In Vivo and In Silico Investigation Into Mechanisms of Frequency Dependence of Repolarization Alternans in Human Ventricular Cardiomyocytes. <i>Circulation Research</i> , 2016, 118, 266-278.	2.0	68
23	Investigating a Novel Activation-Repolarisation Time Metric to Predict Localised Vulnerability to Reentry Using Computational Modelling. <i>PLoS ONE</i> , 2016, 11, e0149342.	1.1	30
24	Effect of autonomic blocking agents on the respiratory-related oscillations of ventricular action potential duration in humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H2108-H2117.	1.5	10
25	Measurement bias in activation-recovery intervals from unipolar electrograms. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H331-H338.	1.5	18
26	An activation-repolarization time metric to predict localized regions of high susceptibility to reentry. <i>Heart Rhythm</i> , 2015, 12, 1644-1653.	0.3	40
27	The Influence of Food Texture and Liquid Consistency Modification on Swallowing Physiology and Function: A Systematic Review. <i>Dysphagia</i> , 2015, 30, 2-26.	1.0	414
28	Effect of Mental Challenge Induced by Movie Clips on Action Potential Duration in Normal Human Subjects Independent of Heart Rate. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 518-523.	2.1	24
29	Oscillatory behavior of ventricular action potential duration in heart failure patients at respiratory rate and low frequency. <i>Frontiers in Physiology</i> , 2014, 5, 414.	1.3	42
30	What do parents of children with dysphagia think about their MDT? A qualitative study. <i>BMJ Open</i> , 2014, 4, e005934.	0.8	21
31	Comparative Evaluation of Methodologies for T-Wave Alternans Mapping in Electrograms. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 308-316.	2.5	32
32	Developing a novel comprehensive framework for the investigation of cellular and whole heart electrophysiology in the in situ human heart: Historical perspectives, current progress and future prospects. <i>Progress in Biophysics and Molecular Biology</i> , 2014, 115, 252-260.	1.4	34
33	Thickened fluids: Investigation of users' experiences and perceptions. <i>Clinical Nutrition</i> , 2014, 33, 171-174.	2.3	30
34	Detection of transient, regional cardiac repolarization alternans by time-frequency analysis of synthetic electrograms. , 2013, 2013, 3773-6.		10
35	Left Ventricular Epicardial Electrograms Show Divergent Changes in Action Potential Duration in Responders and Nonresponders to Cardiac Resynchronization Therapy. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 265-271.	2.1	14
36	Bridging the gap between computation and clinical biology: validation of cable theory in humans. <i>Frontiers in Physiology</i> , 2013, 4, 213.	1.3	8

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37	Cyclical modulation of human ventricular repolarization by respiration. <i>Frontiers in Physiology</i> , 2012, 3, 379.	1.3	25
38	Effects of Saliva on Starch-thickened Drinks with Acidic and Neutral pH. <i>Dysphagia</i> , 2012, 27, 427-435.	1.0	37
39	The Effect of Saliva on the Viscosity of Thickened Drinks. <i>Dysphagia</i> , 2012, 27, 10-19.	1.0	75
40	Variation of the apparent viscosity of thickened drinks. <i>International Journal of Language and Communication Disorders</i> , 2011, 46, 100824014249025.	0.7	23
41	Portable Laserscan for In-Ditch Dent Profiling and Strain Analysis: Methodology and Application Development. , 2010, , .		1
42	Viscosity and Non-Newtonian Features of Thickened Fluids Used for Dysphagia Therapy. <i>Journal of Food Science</i> , 2010, 75, E330-8.	1.5	65
43	A portable self-sensing rheometer for investigation and therapy of swallowing disorders. , 2010, 2010, 1182-5.		0
44	Real-time feedback of dynamic cardiac repolarization properties. , 2010, 2010, 114-7.		8
45	Interaction of Activation-Repolarization Coupling and Restitution Properties in Humans. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2009, 2, 162-170.	2.1	39
46	ReLOAD: Real Laboratories Operated at a Distance. <i>IEEE Transactions on Learning Technologies</i> , 2009, 2, 331-341.	2.2	38
47	Self-sensing applications for electromagnetic actuators. <i>Sensors and Actuators A: Physical</i> , 2004, 116, 345-351.	2.0	47
48	Using Self-Sensing Techniques to Produce a Small, Robust, Inexpensive Rheometer. <i>Applied Rheology</i> , 2003, 13, 242-250.	3.5	5
49	Modelling and Control Techniques for a Shorted Turn to Improve High Frequency Coil Response. <i>Applied Mechanics and Materials</i> , 0, 110-116, 2983-2989.	0.2	0
50	Pulse Arrival Time Accurately Detects Pacing-Induced Mechanical Alternans. , 0, , .		2
51	Sequential Electro-Anatomical Mapping Methodology and Preliminary Results for Reentry Vulnerability Index Estimation. , 0, , .		0
52	Optimization of a Novel Activation-Repolarization Metric to Identify Targets for Catheter Ablation. , 0, , .		0