

# Benjamin Hanson

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

2,059  
citations

304602

22  
h-index

254106

43  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1852  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	The Effect of Saliva on the Viscosity of Thickened Drinks. <i>Dysphagia</i> , 2012, 27, 10-19.	1.0	75
5	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
6	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
7	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
8	Self-sensing applications for electromagnetic actuators. <i>Sensors and Actuators A: Physical</i> , 2004, 116, 345-351.	2.0	47
9	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
10	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
11	Interaction of Activation-Repolarization Coupling and Restitution Properties in Humans. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2009, 2, 162-170.	2.1	39
12	ReLOAD: Real Laboratories Operated at a Distance. <i>IEEE Transactions on Learning Technologies</i> , 2009, 2, 331-341.	2.2	38
13	Effects of Saliva on Starch-thickened Drinks with Acidic and Neutral pH. <i>Dysphagia</i> , 2012, 27, 427-435.	1.0	37
14	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
15	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
16	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
17	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
18	Thickened fluids: Investigation of users' experiences and perceptions. <i>Clinical Nutrition</i> , 2014, 33, 171-174.	2.3	30

#	ARTICLE	IF	CITATIONS
19	Investigating a Novel Activation-Repolarisation Time Metric to Predict Localised Vulnerability to Reentry Using Computational Modelling. PLoS ONE, 2016, 11, e0149342.	1.1	30
20	Cyclical modulation of human ventricular repolarization by respiration. Frontiers in Physiology, 2012, 3, 379.	1.3	25
21	Effect of Mental Challenge Induced by Movie Clips on Action Potential Duration in Normal Human Subjects Independent of Heart Rate. Circulation: Arrhythmia and Electrophysiology, 2014, 7, 518-523.	2.1	24
22	Variation of the apparent viscosity of thickened drinks. International Journal of Language and Communication Disorders, 2011, 46, 100824014249025.	0.7	23
23	What do parents of children with dysphagia think about their MDT? A qualitative study. BMJ Open, 2014, 4, e005934.	0.8	21
24	Measurement bias in activation-recovery intervals from unipolar electrograms. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H331-H338.	1.5	18
25	Modulation of Tongue Pressure According to Liquid Flow Properties in Healthy Swallowing. Journal of Speech, Language, and Hearing Research, 2019, 62, 22-33.	0.7	18
26	A Mechanical Simulator of Tongueâ€™Palate Compression to Investigate the Oral Flow of Non-Newtonian Fluids. IEEE/ASME Transactions on Mechatronics, 2018, 23, 958-965.	3.7	16
27	Left Ventricular Epicardial Electrograms Show Divergent Changes in Action Potential Duration in Responders and Nonresponders to Cardiac Resynchronization Therapy. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 265-271.	2.1	14
28	Assessing the ability of substrate mapping techniques to guide ventricular tachycardia ablation using computational modelling. Computers in Biology and Medicine, 2021, 130, 104214.	3.9	12
29	The impact of modification techniques on the rheological properties of dysphagia foods and liquids. Journal of Texture Studies, 2020, 51, 154-168.	1.1	11
30	Left ventricular activation-recovery interval variability predicts spontaneous ventricular tachyarrhythmia in patients with heart failure. Heart Rhythm, 2019, 16, 702-709.	0.3	11
31	Mechanistic insights from targeted molecular profiling of repolarization alternans in the intact human heart. Europace, 2019, 21, 981-989.	0.7	11
32	Detection of transient, regional cardiac repolarization alternans by time-frequency analysis of synthetic electrograms. , 2013, 2013, 3773-6.		10
33	Effect of autonomic blocking agents on the respiratory-related oscillations of ventricular action potential duration in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H2108-H2117.	1.5	10
34	Characterizing the clinical implementation of a novel activation-repolarization metric to identify targets for catheter ablation of ventricular tachycardias using computational models. Computers in Biology and Medicine, 2019, 108, 263-275.	3.9	9
35	Fluid Testing Methods Recommended by IDDSI. Dysphagia, 2019, 34, 716-717.	1.0	9
36	How Do Orodispersible Tablets Behave in an In Vitro Oral Cavity Model: A Pilot Study. Pharmaceutics, 2020, 12, 651.	2.0	9

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37	Real-time feedback of dynamic cardiac repolarization properties. , 2010, 2010, 114-7.		8
38	Bridging the gap between computation and clinical biology: validation of cable theory in humans. Frontiers in Physiology, 2013, 4, 213.	1.3	8
39	Complex Interaction Between Low-Frequency APD Oscillations and Beat-to-Beat APD Variability in Humans Is Governed by the Sympathetic Nervous System. Frontiers in Physiology, 2019, 10, 1582.	1.3	7
40	Modernising Orodispersible Film Characterisation to Improve Palatability and Acceptability Using a Toolbox of Techniques. Pharmaceutics, 2022, 14, 732.	2.0	7
41	Coupling of ventricular action potential duration and local strain patterns during reverse remodeling in responders and nonresponders to cardiac resynchronization therapy. Heart Rhythm, 2016, 13, 1898-1904.	0.3	6
42	InÂVitro Oral Cavity Model for Screening the Disintegration Behavior of Orodispersible Films: A Bespoke Design. Journal of Pharmaceutical Sciences, 2019, 108, 1831-1836.	1.6	6
43	Using Self-Sensing Techniques to Produce a Small, Robust, Inexpensive Rheometer. Applied Rheology, 2003, 13, 242-250.	3.5	5
44	Pulse Arrival Time and Pulse Interval as Accurate Markers to Detect Mechanical Alternans. Annals of Biomedical Engineering, 2019, 47, 1291-1299.	1.3	4
45	Pulse Arrival Time Accurately Detects Pacing-Induced Mechanical Alternans. , 0, , .		2
46	Portable Laserscan for In-Ditch Dent Profiling and Strain Analysis: Methodology and Application Development. , 2010, , .		1
47	A portable self-sensing rheometer for investigation and therapy of swallowing disorders. , 2010, 2010, 1182-5.		0
48	Modelling and Control Techniques for a Shorted Turn to Improve High Frequency Coil Response. Applied Mechanics and Materials, 0, 110-116, 2983-2989.	0.2	0
49	Effects and underlying mechanisms of refractory period pacing on repolarization dynamics in the human heart. , 2016, 2016, 157-160.		0
50	Self-Abrading Servo Electrode Helmet for Electrical Impedance Tomography. Sensors, 2020, 20, 7058.	2.1	0
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