

# Ivan Suarez Castellanos

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/753643/publications.pdf>

Version: 2024-02-01

17  
papers

134  
citations

1478280

6  
h-index

1281743

11  
g-index

17  
all docs

17  
docs citations

17  
times ranked

167  
citing authors

#	ARTICLE	IF	CITATIONS
1	Therapeutic Modulation of Calcium Dynamics Using Ultrasound and Other Energy-Based Techniques. IEEE Reviews in Biomedical Engineering, 2016, 9, 177-191.	13.1	37
2	Ultrasound Stimulation of Insulin Release from Pancreatic Beta Cells as a Potential Novel Treatment for Type 2 Diabetes. Ultrasound in Medicine and Biology, 2017, 43, 1210-1222.	0.7	32
3	Calcium-dependent ultrasound stimulation of secretory events from pancreatic beta cells. Journal of Therapeutic Ultrasound, 2017, 5, 30.	2.2	14
4	A causal study of the phenomenon of ultrasound neurostimulation applied to an in vivo invertebrate nervous model. Scientific Reports, 2019, 9, 13738.	1.6	12
5	In vitro potentiation of doxorubicin by unseeded controlled non-inertial ultrasound cavitation. Scientific Reports, 2019, 9, 15581.	1.6	11
6	Spatio-temporal characterization of causal electrophysiological activity stimulated by single pulse focused ultrasound: an ex vivo study on hippocampal brain slices. Journal of Neural Engineering, 2021, 18, 026022.	1.8	8
7	Therapeutic Ultrasound-Induced Insulin Release in Vivo. Ultrasound in Medicine and Biology, 2020, 46, 639-648.	0.7	5
8	Including the effect of molecular interference in the coherent x-ray scattering modeling in MC-GPU and PENELOPE for the study of novel breast imaging modalities. Proceedings of SPIE, 2014, , .	0.8	4
9	Ex-Vivo Recording of LEUS-Generated Neural Responses from Mouse Brain Slices Using a Microelectrode Array (MEA) System. , 2018, , .		2
10	Effect of Therapeutic Ultrasound on the Release of Insulin, Glucagon, and Alpha Amylase from Ex Vivo Pancreatic Models. Journal of Ultrasound in Medicine, 2021, 40, 2709-2719.	0.8	2
11	Neurostimulation success rate of repetitive pulse focused ultrasound in an In Vivo Giant Axon Model: An acoustic parametric study. Medical Physics, 2021, , .	1.6	2
12	Evaluation of automatic exposure control performance in full-field digital mammography systems using contrast-detail analysis. , 2012, , .		1
13	Ultrasound stimulation of insulin release from pancreatic beta cells. IFMBE Proceedings, 2017, , 62-65.	0.2	1
14	Preliminary findings on ultrasound modulation of the electromechanical function of human stem-cell-derived cardiomyocytes. , 2017, , .		1
15	Ultrasound-Induced Insulin Release as a Potential Novel Treatment for Type 2 Diabetes Mellitus. , 2018, 2018, 6060-6063.		1
16	Mixed Focused UltraSound (FUS) / fluorescence imaging platform for characterization of the spatial-temporal dynamics of FUS-evoked calcium fluxes in an in vitro human cell model. , 2021, , .		1
17	Notice of Removal: Study of calcium-dynamics in ultrasound-stimulated secretory events in pancreatic beta cells. , 2017, , .		0