

Eitan Kimmel

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

974
citations

1040056

9
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

1172
citing authors

#	ARTICLE	IF	CITATIONS
1	Intramembrane cavitation as a unifying mechanism for ultrasound-induced bioeffects. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3258-3263.	7.1	425
2	Cell-Type-Selective Effects of Intramembrane Cavitation as a Unifying Theoretical Framework for Ultrasonic Neuromodulation. ENeuro, 2016, 3, ENEURO.0136-15.2016.	1.9	166
3	Intramembrane Cavitation as a Predictive Bio-Piezoelectric Mechanism for Ultrasonic Brain Stimulation. Physical Review X, 2014, 4, .	8.9	103
4	Cavitation Bioeffects. Critical Reviews in Biomedical Engineering, 2006, 34, 105-162.	0.9	86
5	Towards multifocal ultrasonic neural stimulation II: design considerations for an acoustic retinal prosthesis. Journal of Neural Engineering, 2012, 9, 026006.	3.5	55
6	Thermal Transients Excite Neurons through Universal Intramembrane Mechanoelectrical Effects. Physical Review X, 2018, 8, .	8.9	47
7	Subharmonic Response of Encapsulated Microbubbles: Conditions for Existence and Amplification. Ultrasound in Medicine and Biology, 2007, 33, 1767-1776.	1.5	31
8	Correspondence: Revisiting the theoretical cell membrane thermal capacitance response. Nature Communications, 2017, 8, 1431.	12.8	26
9	Extracorporeal acute cardiac pacing by High Intensity Focused Ultrasound. Progress in Biophysics and Molecular Biology, 2014, 115, 140-153.	2.9	22
10	A novel ischemia reperfusion injury hereditary tissue model for pressure ulcers progression. Biomechanics and Modeling in Mechanobiology, 2019, 18, 1847-1866.	2.8	3
11	The beginning of a new era: treatment of erectile dysfunction by use of physical energies as an alternative to pharmaceuticals. International Journal of Impotence Research, 2019, 31, 155-161.	1.8	3