

Eitan Kimmel

List of Publications by Year in descending order

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