

# Christopher B Arena

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6883604/publications.pdf>

Version: 2024-02-01

23  
papers

1,093  
citations

623734

14  
h-index

794594

19  
g-index

23  
all docs

23  
docs citations

23  
times ranked

949  
citing authors

#	ARTICLE	IF	CITATIONS
1	Web Conferencing Facilitation Within Problem-Based Learning Biomedical Engineering Courses. Biomedical Engineering Education, 2021, 1, 127-131.	0.7	2
2	Rapid Impedance Spectroscopy for Monitoring Tissue Impedance, Temperature, and Treatment Outcome During Electroporation-Based Therapies. IEEE Transactions on Biomedical Engineering, 2021, 68, 1536-1546.	4.2	18
3	An Investigation for Large Volume, Focal Blood-Brain Barrier Disruption with High-Frequency Pulsed Electric Fields. Pharmaceuticals, 2021, 14, 1333.	3.8	8
4	Numerical simulation modeling of the irreversible electroporation treatment zone for focal therapy of prostate cancer, correlation with whole-mount pathology and T2-weighted MRI sequences. Therapeutic Advances in Urology, 2019, 11, 175628721985230.	2.0	5
5	High-Frequency Irreversible Electroporation for Intracranial Meningioma: A Feasibility Study in a Spontaneous Canine Tumor Model. Technology in Cancer Research and Treatment, 2018, 17, 153303381878528.	1.9	58
6	Avoiding nerve stimulation in irreversible electroporation: a numerical modeling study. Physics in Medicine and Biology, 2017, 62, 8060-8079.	3.0	54
7	An evaluation of the sonoporation potential of low-boiling point phase-change ultrasound contrast agents in vitro. Journal of Therapeutic Ultrasound, 2017, 5, 7.	2.2	39
8	Focused ultrasound-facilitated brain drug delivery using optimized nanodroplets. , 2017, , .		0
9	Focused ultrasound-facilitated molecular delivery to the brain using drug-loaded nanodroplets. , 2017, , .		0
10	Wideband acoustic activation and detection of droplet vaporization events using a capacitive micromachined ultrasonic transducer. Journal of the Acoustical Society of America, 2016, 139, 3193-3198.	1.1	11
11	Bursts of Bipolar Microsecond Pulses Inhibit Tumor Growth. Scientific Reports, 2015, 5, 14999.	3.3	96
12	Mitigation of impedance changes due to electroporation therapy using bursts of high-frequency bipolar pulses. BioMedical Engineering OnLine, 2015, 14, S3.	2.7	81
13	Contrast-Enhanced Ultrasound Imaging and in Vivo Circulatory Kinetics with Low-Boiling-Point Nanoscale Phase-Change Perfluorocarbon Agents. Ultrasound in Medicine and Biology, 2015, 41, 814-831.	1.5	100
14	Folate Conjugated Cellulose Nanocrystals Potentiate Irreversible Electroporation-induced Cytotoxicity for the Selective Treatment of Cancer Cells. Technology in Cancer Research and Treatment, 2015, 14, 757-766.	1.9	22
15	Focal blood-brain-barrier disruption with high-frequency pulsed electric fields. Technology, 2014, 02, 206-213.	1.4	30
16	In vivo quantification of image enhancement and circulation kinetics for phase change perfluorocarbon agents using custom pulse sequences. , 2014, , .		0
17	In-vitro bipolar nano- and microsecond electro-pulse bursts for irreversible electroporation therapies. Bioelectrochemistry, 2014, 100, 69-79.	4.6	91
18	Towards the development of latent heat storage electrodes for electroporation-based therapies. Applied Physics Letters, 2012, 101, 083902.	3.3	14

#	ARTICLE	IF	CITATIONS
19	A Three-Dimensional InÂVitro Tumor Platform for Modeling Therapeutic Irreversible Electroporation. Biophysical Journal, 2012, 103, 2033-2042.	0.5	81
20	Advances in Therapeutic Electroporation to Mitigate Muscle Contractions. Journal of Membrane Science & Technology, 2012, 02, .	0.5	13
21	Theoretical Considerations of Tissue Electroporation With High-Frequency Bipolar Pulses. IEEE Transactions on Biomedical Engineering, 2011, 58, 1474-1482.	4.2	104
22	High-frequency irreversible electroporation (H-FIRE) for non-thermal ablation without muscle contraction. BioMedical Engineering OnLine, 2011, 10, 102.	2.7	265
23	Theoretical study for the treatment of pancreatic cancer using electric pulses. , 2009, 2009, 5997-6000.		1