

Eleanor M Martin

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

311
citations

1040056

9
h-index

888059

17
g-index

25
all docs

25
docs citations

25
times ranked

312
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity of simulated transcranial ultrasound fields to acoustic medium property maps. <i>Physics in Medicine and Biology</i> , 2017, 62, 2559-2580.	3.0	69
2	Experimental Validation of k-Wave: Nonlinear Wave Propagation in Layered, Absorbing Fluid Media. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 81-91.	3.0	38
3	Simulating Focused Ultrasound Transducers Using Discrete Sources on Regular Cartesian Grids. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2016, 63, 1535-1542.	3.0	33
4	Investigation of the repeatability and reproducibility of hydrophone measurements of medical ultrasound fields. <i>Journal of the Acoustical Society of America</i> , 2019, 145, 1270-1282.	1.1	33
5	Rapid Spatial Mapping of Focused Ultrasound Fields Using a Planar Fabry-Pérot Sensor. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2017, 64, 1711-1722.	3.0	17
6	Infrared mapping of ultrasound fields generated by medical transducers: Feasibility of determining absolute intensity levels. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 1586-1597.	1.1	15
7	A range of pulses commonly used for human transcranial ultrasound stimulation are clearly audible. <i>Brain Stimulation</i> , 2021, 14, 1353-1355.	1.6	14
8	Equipment, measurement and dose—a survey for therapeutic ultrasound. <i>Journal of Therapeutic Ultrasound</i> , 2016, 4, 7.	2.2	13
9	Equivalent-Source Acoustic Holography for Projecting Measured Ultrasound Fields Through Complex Media. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018, 65, 1857-1864.	3.0	10
10	Ultrasound-induced Contraction of the Carotid Artery in vitro. <i>Ultrasound in Medicine and Biology</i> , 2010, 36, 166-172.	1.5	9
11	Temperature elevation measured in a tissue-mimicking phantom for transvaginal ultrasound at clinical settings. <i>Ultrasound</i> , 2017, 25, 6-15.	0.7	8
12	Experimental study of beam distortion due to fiducial markers during salvage HIFU in the prostate. <i>Journal of Therapeutic Ultrasound</i> , 2018, 6, 1.	2.2	8
13	The Cellular Bioeffects of Low Intensity Ultrasound. <i>Ultrasound</i> , 2009, 17, 214-219.	0.7	7
14	Survey of current practice in clinical transvaginal ultrasound scanning in the UK. <i>Ultrasound</i> , 2015, 23, 138-148.	0.7	7
15	Analysis of the Directivity of Glass-Etalon Fabry-Pérot Ultrasound Sensors. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2019, 66, 1504-1513.	3.0	6
16	Thermally-Mediated Ultrasound-Induced Contraction of Equine Muscular Arteries In Vitro and an Investigation of the Associated Cellular Mechanisms. <i>Ultrasound in Medicine and Biology</i> , 2012, 38, 152-161.	1.5	5
17	A comparison of three different types of temperature measurement in HITU fields. <i>Metrologia</i> , 2012, 49, S279-S281.	1.2	4
18	Experimental Assessment of Skull Aberration and Transmission Loss at 270 kHz for Focused Ultrasound Stimulation of the Primary Visual Cortex. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Measurement and simulation of steered acoustic fields generated by a multielement array for therapeutic ultrasound. <i>JASA Express Letters</i> , 2021, 1, 012001.	1.1	3
20	Prostatic calcifications: Quantifying occurrence, radiodensity, and spatial distribution in prostate cancer patients. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2021, 39, 728.e1-728.e6.	1.6	3
21	A discrete source model for simulating bowl-shaped focused ultrasound transducers on regular grids: Design and experimental validation. , 2015, , .		2
22	Rapid spatial mapping of the acoustic pressure in high intensity focused ultrasound fields at clinical intensities using a novel planar Fabry-Pérot interferometer. , 2015, , .		2
23	Single pulse illumination of multi-layer photoacoustic holograms for patterned ultrasound field generation. , 2016, , .		2
24	Directivity of a planar hard-dielectric Fabry-Pérot optical ultrasound sensor. , 2017, , .		0