

Yangmo Yoo

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

264
citations

933447

10
h-index

996975

15
g-index

27
all docs

27
docs citations

27
times ranked

347
citing authors

#	ARTICLE	IF	CITATIONS
1	Speckle reduction techniques in medical ultrasound imaging. Biomedical Engineering Letters, 2014, 4, 32-40.	4.1	40
2	Optimal laser wavelength for photoacoustic imaging of breast microcalcifications. Applied Physics Letters, 2011, 99, 153702.	3.3	33
3	Coded tissue harmonic imaging with nonlinear chirp signals. Ultrasonics, 2011, 51, 516-521.	3.9	22
4	Automatic dynamic range adjustment for ultrasound B-mode imaging. Ultrasonics, 2015, 56, 435-443.	3.9	18
5	A prototype hand-held tri-modal instrument for <i>in vivo</i> ultrasound, photoacoustic, and fluorescence imaging. Review of Scientific Instruments, 2015, 86, 034901.	1.3	17
6	Ultrafast Power Doppler Imaging Using Frame-Multiply-and-Sum-Based Nonlinear Compounding. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 453-464.	3.0	17
7	Pixel based focusing for photoacoustic and ultrasound dual-modality imaging. Ultrasonics, 2014, 54, 2126-2133.	3.9	16
8	Design and Implementation of a New Wireless Carotid Neckband Doppler System with Wearable Ultrasound Sensors: Preliminary Results. Applied Sciences (Switzerland), 2019, 9, 2202.	2.5	16
9	Wide Field-of-View Ultrafast Curved Array Imaging Using Diverging Waves. IEEE Transactions on Biomedical Engineering, 2020, 67, 1638-1649.	4.2	15
10	A New Dynamic Complex Baseband Pulse Compression Method for Chirp-Coded Excitation in Medical Ultrasound Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 1698-1710.	3.0	14
11	High PRF ultrafast sliding compound doppler imaging: fully qualitative and quantitative analysis of blood flow. Physics in Medicine and Biology, 2018, 63, 045004.	3.0	9
12	Hybrid volume beamforming for 3-D ultrasound imaging using 2-D CMUT arrays. , 2012, , .		8
13	Real-Time Ultrasound Detection of Breast Microcalcifications Using Multifocus Twinkling Artifact Imaging. IEEE Transactions on Medical Imaging, 2022, 41, 1300-1308.	8.9	8
14	A real-time synthetic aperture beamformer for medical ultrasound imaging. , 2010, , .		6
15	Efficient Transmit Delay Calculation in Ultrasound Coherent Plane-Wave Compound Imaging for Curved Array Transducers. Applied Sciences (Switzerland), 2019, 9, 2752.	2.5	6
16	3D microcalcification detection using a color Doppler twinkling artifact with optimized transmit conditions: Preliminary results. Medical Physics, 2020, 47, 6171-6178.	3.0	5
17	Efficient implementation of a real-time dynamic synthetic aperture beamformer. , 2012, , .		4
18	A Computationally Efficient Mean Sound Speed Estimation Method Based on an Evaluation of Focusing Quality for Medical Ultrasound Imaging. Electronics (Switzerland), 2019, 8, 1368.	3.1	3

#	ARTICLE	IF	CITATIONS
19	An effective beamforming algorithm for a GPU-based ultrasound imaging system. , 2012, , .		2
20	A Point-of-care diagnosis system for emergency ultrasound: Prototype system implementation. , 2012, , .		2
21	Estimation of sound velocity based on evaluation of edge conspicuity. , 2010, , .		1
22	Evaluation of a synthetic aperture technique for medical ultrasound imaging: Phantom and in vivo breast study. , 2012, , .		1
23	Automatic dynamic range adjustment using log average for medical ultrasound imaging. , 2012, , .		1
24	Advanced functional flow index imaging using planewave excitation: Phantom study. , 2012, , .		0
25	Optimal location of pulse compression in coded excitation for medical ultrasound imaging. , 2012, , .		0
26	Noninvasive Aortic Ultrafast Pulse Wave Velocity Associated With Framingham Risk Model: in vivo Feasibility Study. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 749098.	2.4	0
27	Feasibility study using multifocal Doppler twinkling artifacts to detect suspicious microcalcifications in ex vivo specimens of breast cancer on US. <i>Scientific Reports</i> , 2022, 12, 2857.	3.3	0