

Ho-Wuk Kim

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

399
citations

686830

13
h-index

752256

20
g-index

27
all docs

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docs citations

27
times ranked

308
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale and multiphysics FEA simulation and materials optimization for laser ultrasound transducers. <i>Materials Today Communications</i> , 2022, 31, 103599.	0.9	1
2	AlN Single Crystal Accelerometer for Nuclear Power Plants. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 5346-5354.	5.2	22
3	A 1.5-D Array for Acoustic Radiation Force (ARF)-Induced Peak Displacement-Based Tissue Anisotropy Assessment With a Row-Column Excitation Method. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 1278-1287.	1.7	2
4	Dual-Frequency Intravascular Sonothrombolysis: An <i>In Vitro</i> Study. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 3599-3607.	1.7	23
5	Liquid metallic laser ultrasound transducer for high-temperature applications. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	3
6	Magneto-sonothrombolysis with combination of magnetic microbubbles and nanodroplets. <i>Ultrasonics</i> , 2021, 116, 106487.	2.1	24
7	Laser ultrasonic defect localization using an omni-arrayed candle soot nanoparticle patch. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 100903.	0.8	3
8	A multi-pillar piezoelectric stack transducer for nanodroplet mediated intravascular sonothrombolysis. <i>Ultrasonics</i> , 2021, 116, 106520.	2.1	23
9	Intravascular Dual-frequency Ultrasound Transducer Using a Stack Composite. , 2021, , .		0
10	Stress Measurement of a Pressurized Vessel Using Ultrasonic Subsurface Longitudinal Wave With $1\mu\text{m}^3$ Composite Transducers. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 158-166.	1.7	8
11	Flexible $1\mu\text{m}^3$ Composite Ultrasound Transducers With Silver-Nanowire-Based Stretchable Electrodes. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 6955-6962.	5.2	35
12	Miniaturized Intracavitary Forward-Looking Ultrasound Transducer for Tissue Ablation. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 2084-2093.	2.5	15
13	Direct Acoustic Imaging Using a Piezoelectric Organic Light-Emitting Diode. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36409-36416.	4.0	9
14	Adaptive signal decomposition and dispersion removal based on the matching pursuit algorithm using dispersion-based dictionary for enhancing damage imaging. <i>Ultrasonics</i> , 2020, 103, 106087.	2.1	12
15	Examining the Influence of Low-Dose Tissue Plasminogen Activator on Microbubble-Mediated Forward-Viewing Intravascular Sonothrombolysis. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 1698-1706.	0.7	19
16	Stress-Sensing Method via Laser-Generated Ultrasound Wave Using Candle Soot Nanoparticle Composite. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 1867-1876.	1.7	10
17	Fiber based laser ultrasound transducer for intravascular thrombolysis with detective photoacoustic imaging. , 2020, , .		2
18	Candle-Soot Carbon Nanoparticles in Photoacoustics: Advantages and Challenges for Laser Ultrasound Transmitters. <i>IEEE Nanotechnology Magazine</i> , 2019, 13, 13-28.	0.9	32

#	ARTICLE	IF	CITATIONS
19	Narrow band photoacoustic lamb wave generation for nondestructive testing using candle soot nanoparticle patches. Applied Physics Letters, 2019, 115, .	1.5	19
20	Sonothrombolysis with magnetic microbubbles under a rotational magnetic field. Ultrasonics, 2019, 98, 62-71.	2.1	42
21	Intravascular Sonothrombolysis, in vitro, Using a Small Aperture, Forward-Viewing, Sub-Megahertz Transducer to Enhance tPA Treatment. , 2019, , .		3
22	Fiber-optic laser-ultrasound transducer using carbon nanoparticles for intravascular sonothrombolysis. , 2019, , .		4
23	Small Aperture Ultrasound Transducers for Intracavitary Tissue Ablation. , 2019, , .		0
24	Stress measurement of a pressurized vessel using candle soot nanocomposite based photoacoustic excitation. , 2019, , .		1
25	Enhanced damage imaging of a metallic plate using matching pursuit algorithm with multiple wavepaths. Ultrasonics, 2018, 89, 84-101.	2.1	13
26	Modified-filtered-u LMS algorithm for active noise control and its application to a short acoustic duct. Mechanical Systems and Signal Processing, 2011, 25, 475-484.	4.4	39
27	Improvement of impact noise in a passenger car utilizing sound metric based on wavelet transform. Journal of Sound and Vibration, 2010, 329, 3606-3619.	2.1	35