

Ho-Wuk Kim

List of Publications by Year in descending order

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27
papers

399
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686830

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752256

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27
docs citations

27
times ranked

308
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Sonothrombolysis with magnetic microbubbles under a rotational magnetic field. <i>Ultrasonics</i> , 2019, 98, 62-71. | 2.1 | 42 |
| 2 | Modified-filtered-u LMS algorithm for active noise control and its application to a short acoustic duct. <i>Mechanical Systems and Signal Processing</i> , 2011, 25, 475-484. | 4.4 | 39 |
| 3 | Improvement of impact noise in a passenger car utilizing sound metric based on wavelet transform. <i>Journal of Sound and Vibration</i> , 2010, 329, 3606-3619. | 2.1 | 35 |
| 4 | Flexible 1â€³ Composite Ultrasound Transducers With Silver-Nanowire-Based Stretchable Electrodes. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 6955-6962. | 5.2 | 35 |
| 5 | 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 |
| 6 | Magneto-sonothrombolysis with combination of magnetic microbubbles and nanodroplets. <i>Ultrasonics</i> , 2021, 116, 106487. | 2.1 | 24 |
| 7 | 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 |
| 8 | A multi-pillar piezoelectric stack transducer for nanodroplet mediated intravascular sonothrombolysis. <i>Ultrasonics</i> , 2021, 116, 106520. | 2.1 | 23 |
| 9 | AlN Single Crystal Accelerometer for Nuclear Power Plants. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 5346-5354. | 5.2 | 22 |
| 10 | Narrow band photoacoustic lamb wave generation for nondestructive testing using candle soot nanoparticle patches. <i>Applied Physics Letters</i> , 2019, 115, . | 1.5 | 19 |
| 11 | 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 |
| 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 | Enhanced damage imaging of a metallic plate using matching pursuit algorithm with multiple wavepaths. <i>Ultrasonics</i> , 2018, 89, 84-101. | 2.1 | 13 |
| 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 | 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 |
| 16 | Direct Acoustic Imaging Using a Piezoelectric Organic Light-Emitting Diode. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36409-36416. | 4.0 | 9 |
| 17 | Stress Measurement of a Pressurized Vessel Using Ultrasonic Subsurface Longitudinal Wave With 1â€³ Composite Transducers. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 158-166. | 1.7 | 8 |
| 18 | Fiber-optic laser-ultrasound transducer using carbon nanoparticles for intravascular sonothrombolysis. , 2019, , . | | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Intravascular Sonothrombolysis, in vitro, Using a Small Aperture, Forward-Viewing, Sub-Megahertz Transducer to Enhance tPA Treatment. , 2019, , . | | 3 |
| 20 | Liquid metallic laser ultrasound transducer for high-temperature applications. Applied Physics Letters, 2021, 118, . | 1.5 | 3 |
| 21 | Laser ultrasonic defect localization using an omni-arrayed candle soot nanoparticle patch. Japanese Journal of Applied Physics, 2021, 60, 100903. | 0.8 | 3 |
| 22 | A 1.5-D Array for Acoustic Radiation Force (ARF)-Induced Peak Displacement-Based Tissue Anisotropy Assessment With a Row-Column Excitation Method. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1278-1287. | 1.7 | 2 |
| 23 | Fiber based laser ultrasound transducer for intravascular thrombolysis with detective photoacoustic imaging. , 2020, , . | | 2 |
| 24 | Stress measurement of a pressurized vessel using candle soot nanocomposite based photoacoustic excitation. , 2019, , . | | 1 |
| 25 | Multiscale and multiphysics FEA simulation and materials optimization for laser ultrasound transducers. Materials Today Communications, 2022, 31, 103599. | 0.9 | 1 |
| 26 | Small Aperture Ultrasound Transducers for Intracavitary Tissue Ablation. , 2019, , . | | 0 |
| 27 | Intravascular Dual-frequency Ultrasound Transducer Using a Stack Composite. , 2021, , . | | 0 |