

Yuyong Xiong

List of Publications by Year in descending order

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14
papers

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citations

1307594

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1281871

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14
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14
docs citations

14
times ranked

197
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave Vibrometry: Noncontact Vibration and Deformation Measurement Using Radio Signals. IEEE Instrumentation and Measurement Magazine, 2022, 25, 16-26.	1.6	7
2	Multi-scale and full-field vibration measurement via millimetre-wave sensing. Mechanical Systems and Signal Processing, 2022, 177, 109178.	8.0	7
3	Structural Health Monitoring of Large Structures via mmWave Sensing. Journal of Physics: Conference Series, 2022, 2184, 012042.	0.4	0
4	mmPhone: Sound Recovery Using Millimeter-Wave Radios With Adaptive Fusion Enhanced Vibration Sensing. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 4045-4055.	4.6	3
5	Vital Signs Monitoring via Millimeter-Wave Full-Field Micromotion Sensing. , 2022, , .		0
6	Millimeter-Wave Bat for Mapping and Quantifying Micromotions in Full Field of View. Research, 2021, 2021, 9787484.	5.7	11
7	Differential Enhancement Method for Robust and Accurate Heart Rate Monitoring via Microwave Vital Sign Sensing. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7108-7118.	4.7	51
8	Sub-Sampled Two-Dimensional SAR Imaging Method Based on MIMO FMCW Radar. , 2020, , .		3
9	An Effective Accuracy Evaluation Method for LFM CW Radar Displacement Monitoring With Phasor Statistical Analysis. IEEE Sensors Journal, 2019, 19, 12224-12234.	4.7	14
10	Accurate and Robust Displacement Measurement for FMCW Radar Vibration Monitoring. IEEE Sensors Journal, 2018, 18, 1131-1139.	4.7	54
11	Nonstationary Signal Denoising Using an Envelope-Tracking Filter. IEEE/ASME Transactions on Mechatronics, 2018, 23, 2004-2015.	5.8	20
12	High-precision frequency estimation for FMCW radar applications based on parameterized de-alternating and modified ICCD. Measurement Science and Technology, 2018, 29, 075010.	2.6	3
13	Accurate Measurement in Doppler Radar Vital Sign Detection Based on Parameterized Demodulation. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4483-4492.	4.6	54
14	Static clutter elimination for frequency-modulated continuous-wave radar displacement measurement based on phasor offset compensation. Electronics Letters, 2017, 53, 1491-1493.	1.0	15