

Yu Rong

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

235
citations

1937685

4
h-index

2053705

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18
all docs

18
docs citations

18
times ranked

164
citing authors

#	ARTICLE	IF	CITATIONS
1	A new principle of pulse detection based on terahertz wave plethysmography. Scientific Reports, 2022, 12, 6347.	3.3	12
2	Analog Self-Interference Mitigation for IBFD, Joint Radar-Communications in Vehicular Applications. , 2022, , .		5
3	Non-Contact Reflectance based Cardiac Pulse Detection from Forehead, Elbow and Finger-tip using Terahertz Waves. , 2022, , .		2
4	Motion-Tolerant Non-Contact Heart-Rate Measurements from Radar Sensor Fusion. Sensors, 2021, 21, 1774.	3.8	23
5	Multiple Moving Targets Heartbeat Estimation and Recovery using Multi-Frequency Radars. , 2021, , .		8
6	Cardiac and Respiratory Sensing from a Hovering UAV Radar Platform. , 2021, , .		8
7	Noncontact Vital Sign Detection With UAV-Borne Radars: An Overview of Recent Advances. IEEE Vehicular Technology Magazine, 2021, 16, 118-128.	3.4	18
8	Feasibility study of fiducial marker localization using microwave radar. Medical Physics, 2021, 48, 7271-7282.	3.0	6
9	Radar-Based Radial Arterial Pulse Rate and Pulse Pressure Analysis. , 2021, , .		6
10	UWB Radar Cardiac Activity Sensing: Novel Arctangent Demodulator for Direct-RF Receivers. , 2020, , .		4
11	Smart Homes: See Multiple Heartbeats Through Wall Using Wireless Signals. , 2019, , .		10
12	Remote Sensing for Vital Information Based on Spectral-Domain Harmonic Signatures. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 3454-3465.	4.7	43
13	UWB Radar Vibrometry : An RF Microphone. , 2019, , .		10
14	Active Breathing Suppression for Improved Sleep Monitoring Heartbeat Detection Using UWB Radar. , 2019, , .		6
15	Direct RF Signal Processing For Heart-Rate Monitoring Using UWB Impulse Radar. , 2018, , .		10
16	Harmonics-based multiple heartbeat detection at equal distance using UWB impulse radar. , 2018, , .		20
17	Consumer-grade drone radar cross-section and micro-Doppler phenomenology. , 2017, , .		24
18	Time and frequency dispersion characteristics of the UAS wireless channel in residential and mountainous desert terrains. , 2017, , .		20