

Guochao Wang

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

792
citations

1163117

8
h-index

1588992

8
g-index

18
all docs

18
docs citations

18
times ranked

646
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural displacement measurements using DC coupled radar with active transponder. Structural Control and Health Monitoring, 2017, 24, e1909.	4.0	24
2	Isolate the Clutter: Pure and Hybrid Linear-Frequency-Modulated Continuous-Wave (LFMCW) Radars for Indoor Applications. IEEE Microwave Magazine, 2015, 16, 40-54.	0.8	22
3	Mitigation of stationary clutter in vital-sign monitoring linear-frequency-modulated continuous-wave radars. IET Radar, Sonar and Navigation, 2015, 9, 138-144.	1.8	18
4	Dynamic and static structural displacement measurement using backscattering DC coupled radar. Smart Structures and Systems, 2015, 16, 521-535.	1.9	13
5	Clutter interference reduction in coherent FMCW radar for weak physiological signal detection. , 2014, , .		8
6	Software-configured smart radar sensor for civil and biomedical applications. , 2014, , .		0
7	Movement-immune respiration monitoring using automatic DC-correction algorithm for CW Doppler radar system. , 2014, , .		4
8	Linear-frequency-modulated continuous-wave radar for vital-sign monitoring. , 2014, , .		16
9	Application of Linear-Frequency-Modulated Continuous-Wave (LFMCW) Radars for Tracking of Vital Signs. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1387-1399.	4.6	229
10	A Hybrid FMCW-Interferometry Radar for Indoor Precise Positioning and Versatile Life Activity Monitoring. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2812-2822.	4.6	238
11	Bridge Deflection Monitoring Using Small, Low-Cost Radar Sensors. , 2014, , .		3
12	Noncontact Large-Scale Displacement Tracking: Doppler Radar for Water Level Gauging. IEEE Microwave and Wireless Components Letters, 2014, 24, 899-901.	3.2	21
13	Doppler radar vital sign detection with random body movement cancellation based on adaptive phase compensation. , 2013, , .		30
14	A Hybrid Radar-Camera Sensing System With Phase Compensation for Random Body Movement Cancellation in Doppler Vital Sign Detection. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4678-4688.	4.6	118
15	Hybrid FMCW-interferometry radar system in the 5.8 GHz ISM band for indoor precise position and motion detection. , 2013, , .		29
16	Highly accurate noncontact water level monitoring using continuous-wave Doppler radar. , 2013, , .		12
17	Interferometric radar sensor with active transponders for signal boosting and clutter rejection in Structural Health Monitoring. , 2012, , .		4
18	Non-contact measurement of rotational movement using miniature Doppler radar. , 2012, , .		3