

Xiaohua Yi

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

435
citations

1307594

7
h-index

1720034

7
g-index

15
all docs

15
docs citations

15
times ranked

399
citing authors

#	ARTICLE	IF	CITATIONS
1	Passive wireless antenna sensor for strain and crack sensing—electromagnetic modeling, simulation, and testing. <i>Smart Materials and Structures</i> , 2013, 22, 085009.	3.5	115
2	Passive wireless smart-skin sensor using RFID-based folded patch antennas. <i>International Journal of Smart and Nano Materials</i> , 2011, 2, 22-38.	4.2	87
3	Passive Wireless Frequency Doubling Antenna Sensor for Strain and Crack Sensing. <i>IEEE Sensors Journal</i> , 2016, 16, 5725-5733.	4.7	75
4	Sensitivity Modeling of an RFID-Based Strain-Sensing Antenna With Dielectric Constant Change. <i>IEEE Sensors Journal</i> , 2015, 15, 6147-6155.	4.7	48
5	Large-Deformation Analysis and Experimental Validation of a Flexure-Based Mobile Sensor Node. <i>IEEE/ASME Transactions on Mechatronics</i> , 2012, 17, 606-616.	5.8	36
6	Battery-free slotted patch antenna sensor for wireless strain and crack monitoring. <i>Smart Structures and Systems</i> , 2016, 18, 1217-1231.	1.9	18
7	Wireless strain and crack sensing using a folded patch antenna. , 2012, , .		17
8	A local excitation and measurement approach for decentralized damage detection using transmissibility functions. <i>Structural Control and Health Monitoring</i> , 2016, 23, 487-502.	4.0	14
9	Wireless sensing with smart skins. , 2011, , .		11
10	A Slotted Patch Antenna for Wireless Strain Sensing. , 2014, , .		7
11	Passive Frequency Doubling Antenna Sensor for Wireless Strain Sensing. , 2012, , .		3
12	Strain Sensing through a Passive Wireless Sensor Array. , 2012, , .		2
13	Antenna-based “smart skin” sensors for sustainable, wireless sensor networks. , 2012, , .		2
14	Compressive strain measurement using RFID patch antenna sensors. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
15	An Eigenvalue Perturbation Solution for the Multi-Physics Simulation of Antenna Strain Sensors. <i>IEEE Journal on Multiscale and Multiphysics Computational Techniques</i> , 2017, , 1-1.	2.2	0