Xiaohua Yi

List of Publications by Year in descending order

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