Ke Yang

List of Publications by Year
in descending order

22 papers	567 citations	840728 11 h-index	1125717 13 g-index
22 all docs	22 docs citations	22 times ranked	562 citing authors

#	Article	IF	Citations
1	Terahertz Channel Characterization Inside the Human Skin for Nano-Scale Body-Centric Networks. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 427-434.	3.1	131
2	Numerical Analysis and Characterization of THz Propagation Channel for Body-Centric Nano-Communications. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 419-426.	3.1	102
3	Nano-Communication for Biomedical Applications: A Review on the State-of-the-Art From Physical Layers to Novel Networking Concepts. IEEE Access, 2016, 4, 3920-3935.	4.2	84
4	A Comprehensive Survey on Hybrid Communication in Context of Molecular Communication and Terahertz Communication for Body-Centric Nanonetworks. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2020, 6, 107-133.	2.1	44
5	Cooperative In-Vivo Nano-Network Communication at Terahertz Frequencies. IEEE Access, 2017, 5, 8642-8647.	4.2	40
6	THz Time-Domain Spectroscopy of Human Skin Tissue for In-Body Nanonetworks. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 803-809.	3.1	30
7	Analytical Characterisation of the Terahertz In-Vivo Nano-Network in the Presence of Interference Based on TS-OOK Communication Scheme. IEEE Access, 2017, 5, 10172-10181.	4.2	23
8	Terahertz characterisation of living plant leaves for quality of life assessment applications. , 2018, , .		20
9	Dielectric and Double Debye Parameters of Artificial Normal Skin and Melanoma. Journal of Infrared, Millimeter, and Terahertz Waves, 2019, 40, 657-672.	2.2	17
10	Fibroblasts cell number density based human skin characterization at THz for in-body nanonetworks. Nano Communication Networks, 2016, 10, 60-67.	2.9	15
11	Impact of Cell Density and Collagen Concentration on the Electromagnetic Properties of Dermal Equivalents in the Terahertz Band. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 381-389.	3.1	15
12	In-vivo terahertz EM channel characterization for nano-communications in WBANs. , 2016, , .		13
13	Collagen Analysis at Terahertz Band Using Double-Debye Parameter Extraction and Particle Swarm Optimisation. IEEE Access, 2017, 5, 27850-27856.	4.2	11
14	Effects of non-flat interfaces in human skin tissues on the in-vivo Tera-Hertz communication channel. Nano Communication Networks, 2016, 8, 16-24.	2.9	8
15	Understanding and characterizing nanonetworks for healthcare monitoring applications. , 2014, , .		7
16	Channel modelling of human tissues at terahertz band. , 2016, , .		3
17	Experimental Characterization of Artificial Human Skin with Melanomas for Accurate Modelling and Detection in Healthcare Application. , 2018, , .		3
18	Investigations on Field Distribution along the Earth's Surface of a Submerged Line Current Source Working at Extremely Low Frequency Band. Electronics (Switzerland), 2022, 11, 1116.	3.1	1

#	Article	IF	Citations
19	Dielectric constant measurement of collagen at terahertz band using terahertz time domain spectroscopy. , 2017, , .		0
20	Impact of Fibroblast Cell Density on the Material Parameters of Thin Artificial Human Skin in the Terahertz Band. , 2018, , .		0
21	A Simple and Novel Localization Method Using the Radiated Ultra-Low-Frequency Electromagnetic Wave Signals from the Surface Vehicle and Submerged Ones. Electronics (Switzerland), 2021, 10, 784.	3.1	0
22	A Full Investigation of Terahertz Wave Power Transmission in Plasma from Theoretical, Numerical, and Experimental Perspectives. Electronics (Switzerland), 2022, 11, 1432.	3.1	0