

Qiushuo Sun

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

507
citations

840776

11
h-index

839539

18
g-index

27
all docs

27
docs citations

27
times ranked

561
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in terahertz technology for biomedical applications. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017, 7, 345-355.	2.0	186
2	In vivo THz imaging of human skin: Accounting for occlusion effects. <i>Journal of Biophotonics</i> , 2018, 11, e201700111.	2.3	44
3	THz in vivo measurements: the effects of pressure on skin reflectivity. <i>Biomedical Optics Express</i> , 2018, 9, 6467.	2.9	37
4	In vivo terahertz imaging to evaluate scar treatment strategies: silicone gel sheeting. <i>Biomedical Optics Express</i> , 2019, 10, 3584.	2.9	35
5	In vivo estimation of water diffusivity in occluded human skin using terahertz reflection spectroscopy. <i>Journal of Biophotonics</i> , 2019, 12, e201800145.	2.3	31
6	A Robust Protocol for In Vivo THz Skin Measurements. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019, 40, 980-989.	2.2	28
7	Highly Sensitive Terahertz Thin-Film Total Internal Reflection Spectroscopy Reveals in Situ Photoinduced Structural Changes in Methylammonium Lead Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17552-17558.	3.1	21
8	Exploiting Total Internal Reflection Geometry for Terahertz Devices and Enhanced Sample Characterization. <i>Advanced Optical Materials</i> , 2020, 8, 1900535.	7.3	19
9	Determination of terahertz permittivity of dehydrated biological samples. <i>Physics in Medicine and Biology</i> , 2017, 62, 8882-8893.	3.0	17
10	Exploiting Complementary Terahertz Ellipsometry Configurations to Probe the Hydration and Cellular Structure of Skin In Vivo. <i>Advanced Photonics Research</i> , 2021, 2, 2000024.	3.6	16
11	Transportable optical atomic clocks for use in out-of-the-lab environments. <i>Advanced Optical Technologies</i> , 2020, 9, 313-325.	1.7	15
12	Extraction of Thickness and Water-Content Gradients in Hydrogel-Based Water-Backed Corneal Phantoms Via Submillimeter-Wave Reflectometry. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2021, 11, 647-659.	3.1	11
13	Utilizing multilayer structures to enhance terahertz characterization of thin films ranging from aqueous solutions to histology slides. <i>Optics Letters</i> , 2019, 44, 2149.	3.3	11
14	Design and fabrication of 3-D printed conductive polymer structures for THz polarization control. <i>Optics Express</i> , 2019, 27, 11635.	3.4	10
15	Objective and efficient terahertz signal denoising by transfer function reconstruction. <i>APL Photonics</i> , 2020, 5, .	5.7	9
16	Submillimeter-Wave Permittivity Measurements of Bound Water in Collagen Hydrogels via Frequency Domain Spectroscopy. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2021, 11, 538-547.	3.1	9
17	Exploiting Complementary Terahertz Ellipsometry Configurations to Probe the Hydration and Cellular Structure of Skin In Vivo. <i>Advanced Photonics Research</i> , 2021, 2, 2170002.	3.6	3
18	Pressure Controlled in vivo THz Measurements of Skin: Monitoring the Effects of Moisturizers. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Highly Sensitive Terahertz Imaging Method for Paraffin Embedded Cancer Samples. , 2019, , .		1
20	Total Internal Reflection Geometry: Exploiting Total Internal Reflection Geometry for Terahertz Devices and Enhanced Sample Characterization (Advanced Optical Materials 3/2020). Advanced Optical Materials, 2020, 8, 2070012.	7.3	1
21	An Optical Lattice Clock Testbed System for the iqClock Project Demonstrator. , 2020, , .		1
22	THz Frequency Quantification of Water Gradients in Drying Paper. , 2020, , .		1
23	The Effect of Pressure on Terahertz In Vivo Spectroscopic Imaging. , 2018, , .		0
24	Characterization of Thin Film Liquids by Multilayer Structure in THz Time Domain Reflection Spectroscopy. , 2019, , .		0
25	In Vivo Terahertz Skin Imaging for Scar Treatment Evaluation. , 2019, , .		0
26	THz Instrumentation and Analysis Techniques for Biomedical Research. , 2019, , .		0
27	Skin Surface Feature Influence on Terahertz in vivo Measurements. , 2020, , .		0