

# Qiushuo Sun

## List of Publications by Year in descending order

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27  
papers

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citations

840776

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times ranked

561  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Exploiting Total Internal Reflection Geometry for Terahertz Devices and Enhanced Sample Characterization. <i>Advanced Optical Materials</i> , 2020, 8, 1900535.	7.3	19
6	Objective and efficient terahertz signal denoising by transfer function reconstruction. <i>APL Photonics</i> , 2020, 5, .	5.7	9
7	Total Internal Reflection Geometry: Exploiting Total Internal Reflection Geometry for Terahertz Devices and Enhanced Sample Characterization ( <i>Advanced Optical Materials</i> 3/2020). <i>Advanced Optical Materials</i> , 2020, 8, 2070012.	7.3	1
8	Transportable optical atomic clocks for use in out-of-the-lab environments. <i>Advanced Optical Technologies</i> , 2020, 9, 313-325.	1.7	15
9	An Optical Lattice Clock Testbed System for the iqClock Project Demonstrator. , 2020, , .		1
10	Skin Surface Feature Influence on Terahertz in vivo Measurements. , 2020, , .		0
11	THz Frequency Quantification of Water Gradients in Drying Paper. , 2020, , .		1
12	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
13	Characterization of Thin Film Liquids by Multilayer Structure in THz Time Domain Reflection Spectroscopy. , 2019, , .		0
14	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
15	In Vivo Terahertz Skin Imaging for Scar Treatment Evaluation. , 2019, , .		0
16	Pressure Controlled in vivo THz Measurements of Skin: Monitoring the Effects of Moisturizers. , 2019, , .		1
17	THz Instrumentation and Analysis Techniques for Biomedical Research. , 2019, , .		0
18	Highly Sensitive Terahertz Imaging Method for Paraffin Embedded Cancer Samples. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	In vivo terahertz imaging to evaluate scar treatment strategies: silicone gel sheeting. Biomedical Optics Express, 2019, 10, 3584.	2.9	35
20	Design and fabrication of 3-D printed conductive polymer structures for THz polarization control. Optics Express, 2019, 27, 11635.	3.4	10
21	Utilizing multilayer structures to enhance terahertz characterization of thin films ranging from aqueous solutions to histology slides. Optics Letters, 2019, 44, 2149.	3.3	11
22	In vivo THz imaging of human skin: Accounting for occlusion effects. Journal of Biophotonics, 2018, 11, e201700111.	2.3	44
23	The Effect of Pressure on Terahertz In Vivo Spectroscopic Imaging. , 2018, , .		0
24	Highly Sensitive Terahertz Thin-Film Total Internal Reflection Spectroscopy Reveals in Situ Photoinduced Structural Changes in Methylammonium Lead Halide Perovskites. Journal of Physical Chemistry C, 2018, 122, 17552-17558.	3.1	21
25	THz in vivo measurements: the effects of pressure on skin reflectivity. Biomedical Optics Express, 2018, 9, 6467.	2.9	37
26	Determination of terahertz permittivity of dehydrated biological samples. Physics in Medicine and Biology, 2017, 62, 8882-8893.	3.0	17
27	Recent advances in terahertz technology for biomedical applications. Quantitative Imaging in Medicine and Surgery, 2017, 7, 345-355.	2.0	186