

Youngchan Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5135855/publications.pdf>

Version: 2024-02-01

42
papers

1,004
citations

567281

15
h-index

580821

25
g-index

43
all docs

43
docs citations

43
times ranked

1024
citing authors

#	ARTICLE	IF	CITATIONS
1	Profiling individual human red blood cells using common-path diffraction optical tomography. Scientific Reports, 2014, 4, 6659.	3.3	127
2	Common-path diffraction optical tomography for investigation of three-dimensional structures and dynamics of biological cells. Optics Express, 2014, 22, 10398.	3.4	111
3	High-speed terahertz time-domain spectroscopy based on electronically controlled optical sampling. Optics Letters, 2010, 35, 3715.	3.3	93
4	Polarization holographic microscopy for extracting spatio-temporally resolved Jones matrix. Optics Express, 2012, 20, 9948.	3.4	91
5	Characterizations of individual mouse red blood cells parasitized by Babesia microti using 3-D holographic microscopy. Scientific Reports, 2015, 5, 10827.	3.3	78
6	Quantum Biology: An Update and Perspective. Quantum Reports, 2021, 3, 80-126.	1.3	74
7	Optical imaging techniques for the study of malaria. Trends in Biotechnology, 2012, 30, 71-79.	9.3	72
8	Synthetic Fourier transform light scattering. Optics Express, 2013, 21, 22453.	3.4	45
9	Anisotropic light scattering of individual sickle red blood cells. Journal of Biomedical Optics, 2012, 17, 040501.	2.6	43
10	Investigation of THz birefringence measurement and calculation in Al ₂ O ₃ and LiNbO ₃ . Applied Optics, 2011, 50, 2906.	2.1	30
11	Terahertz spectrum analyzer based on frequency and power measurement. Optics Letters, 2010, 35, 2532.	3.3	29
12	Measurement Techniques for Red Blood Cell Deformability: Recent Advances. , 2012, , .		29
13	Adaptive multiphoton endomicroscopy through a dynamically deformed multicore optical fiber using proximal detection. Optics Express, 2016, 24, 21474.	3.4	28
14	Fourier-transform light scattering of individual colloidal clusters. Optics Letters, 2012, 37, 2577.	3.3	24
15	Wavelet Power Spectrum Estimation for High-resolution Terahertz Time-domain Spectroscopy. Journal of the Optical Society of Korea, 2011, 15, 103-108.	0.6	22
16	Adaptive Multiphoton Endomicroscope Incorporating a Polarization-Maintaining Multicore Optical Fibre. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 171-178.	2.9	18
17	Terahertz Birefringence in Zinc Oxide. Japanese Journal of Applied Physics, 2011, 50, 030203.	1.5	14
18	High-Speed High-Resolution Terahertz Spectrometers. Journal of the Korean Physical Society, 2010, 56, 255-261.	0.7	13

#	ARTICLE	IF	CITATIONS
19	Terahertz Frequency Spreading Filter via One-dimensional Dielectric Multilayer Structures. Journal of the Optical Society of Korea, 2009, 13, 398-402.	0.6	11
20	Terahertz Birefringence in Zinc Oxide. Japanese Journal of Applied Physics, 2011, 50, 030203.	1.5	10
21	VenusA206 Dimers Behave Coherently at Room Temperature. Biophysical Journal, 2019, 116, 1918-1930.	0.5	10
22	Compressed sensing pulse-echo mode terahertz reflectance tomography. Optics Letters, 2009, 34, 3863.	3.3	9
23	Common-path diffraction optical tomography with a low-coherence illumination for reducing speckle noise. , 2015, , .		8
24	Semi-random multicore fibre design for adaptive multiphoton endoscopy. Optics Express, 2018, 26, 3661.	3.4	6
25	Terahertz birefringence of ZnO. , 2009, , .		1
26	Continuous-wave THz generation from ingaas-based photomixers pumped by a tunable dual-wavelength DFB laser. , 2009, , .		1
27	High-Speed High-Resolution Terahertz Time-Domain Spectrometer. Korean Journal of Optics and Photonics, 2008, 19, 370-375.	0.1	1
28	Measuring two-photon microscopy ultrafast laser pulse duration at the sample plane using time-correlated single-photon counting. Journal of Biomedical Optics, 2020, 25, 1.	2.6	1
29	Modulation-limited interference terahertz shapes via one-dimensional multilayer structures. , 2009, , .		0
30	Terahertz frequency and power measurement based on terahertz frequency comb and a bolometer. , 2009, , .		0
31	Fourier-Transform Terahertz Spectroscopy Using Terahertz Frequency Comb. , 2009, , .		0
32	Electronically controlled optical sampling terahertz time-domain spectroscopy. , 2010, , .		0
33	Optical Measurement of Biomechanical Properties of Human Red Blood Cell using Digital Holographic Microscopy: Malaria and Sickle Cell Diseases. Biophysical Journal, 2014, 106, 575a.	0.5	0
34	Wide Scale Investigation of Protein Interactions by Automation of Fluorescent Polarization and Fluctuation Analysis. Biophysical Journal, 2017, 112, 453a.	0.5	0
35	Investigating the Mechanism of Ultra-Fast Energy Transfer between Venus Oligomers using Time-Resolved Anisotropy, Fluorescence Correlation Spectroscopy, and Photon Antibunching. Biophysical Journal, 2017, 112, 151a-152a.	0.5	0
36	Concurrent Homo- and Hetero-FRET Measurements Enhance Studies of Protein Interactions and Enable Development of Dual Biosensors. Biophysical Journal, 2018, 114, 172a.	0.5	0

#	ARTICLE	IF	CITATIONS
37	Anomalous Ultra-Fast Energy Transfer Suggests Coherent Energy Transfer between Fluorescence Proteins. Biophysical Journal, 2018, 114, 683a.	0.5	0
38	ATP Regulated Time Window Triggered by Ca ²⁺ /CaM for Gating CaMKII Holoenzyme Interactions with NR2B. Biophysical Journal, 2020, 118, 203a.	0.5	0
39	High-Resolution Terahertz Time-Domain Spectroscopy Using a Wavelet Power Spectrum Estimation Technique. , 2009, , .		0
40	Quantitative phase imaging and spectroscopy techniques for the study of sickle cell diseases. , 2012, , .		0
41	Synthetic Fourier Transform Light Scattering. , 2013, , .		0
42	AB/FCS-fingerprinting: an optical technique for characterizing fluorophore independence in solution (Conference Presentation). , 2019, , .		0