

Youngchan Kim

List of Publications by Year in descending order

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42
papers

1,004
citations

567281

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580821

25
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43
all docs

43
docs citations

43
times ranked

1024
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Biology: An Update and Perspective. Quantum Reports, 2021, 3, 80-126.	1.3	74
2	ATP Regulated Time Window Triggered by Ca ²⁺ /CaM for Gating CaMKII Holoenzyme Interactions with NR2B. Biophysical Journal, 2020, 118, 203a.	0.5	0
3	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
4	VenusA206 Dimers Behave Coherently at Room Temperature. Biophysical Journal, 2019, 116, 1918-1930.	0.5	10
5	AB/FCS-fingerprinting: an optical technique for characterizing fluorophore independence in solution (Conference Presentation). , 2019, , .		0
6	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
7	Semi-random multicore fibre design for adaptive multiphoton endoscopy. Optics Express, 2018, 26, 3661.	3.4	6
8	Anomalous Ultra-Fast Energy Transfer Suggests Coherent Energy Transfer between Fluorescence Proteins. Biophysical Journal, 2018, 114, 683a.	0.5	0
9	Wide Scale Investigation of Protein Interactions by Automation of Fluorescent Polarization and Fluctuation Analysis. Biophysical Journal, 2017, 112, 453a.	0.5	0
10	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
11	Adaptive multiphoton endomicroscopy through a dynamically deformed multicore optical fiber using proximal detection. Optics Express, 2016, 24, 21474.	3.4	28
12	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
13	Characterizations of individual mouse red blood cells parasitized by Babesia microti using 3-D holographic microscopy. Scientific Reports, 2015, 5, 10827.	3.3	78
14	Common-path diffraction optical tomography with a low-coherence illumination for reducing speckle noise. , 2015, , .		8
15	Common-path diffraction optical tomography for investigation of three-dimensional structures and dynamics of biological cells. Optics Express, 2014, 22, 10398.	3.4	111
16	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
17	Profiling individual human red blood cells using common-path diffraction optical tomography. Scientific Reports, 2014, 4, 6659.	3.3	127
18	Synthetic Fourier transform light scattering. Optics Express, 2013, 21, 22453.	3.4	45

#	ARTICLE	IF	CITATIONS
19	Synthetic Fourier Transform Light Scattering. , 2013, , .		0
20	Polarization holographic microscopy for extracting spatio-temporally resolved Jones matrix. Optics Express, 2012, 20, 9948.	3.4	91
21	Fourier-transform light scattering of individual colloidal clusters. Optics Letters, 2012, 37, 2577.	3.3	24
22	Anisotropic light scattering of individual sickle red blood cells. Journal of Biomedical Optics, 2012, 17, 040501.	2.6	43
23	Measurement Techniques for Red Blood Cell Deformability: Recent Advances. , 2012, , .		29
24	Optical imaging techniques for the study of malaria. Trends in Biotechnology, 2012, 30, 71-79.	9.3	72
25	Quantitative phase imaging and spectroscopy techniques for the study of sickle cell diseases. , 2012, , .		0
26	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
27	Investigation of THz birefringence measurement and calculation in Al ₂ O ₃ and LiNbO ₃ . Applied Optics, 2011, 50, 2906.	2.1	30
28	Terahertz Birefringence in Zinc Oxide. Japanese Journal of Applied Physics, 2011, 50, 030203.	1.5	10
29	Terahertz Birefringence in Zinc Oxide. Japanese Journal of Applied Physics, 2011, 50, 030203.	1.5	14
30	Electronically controlled optical sampling terahertz time-domain spectroscopy. , 2010, , .		0
31	Terahertz spectrum analyzer based on frequency and power measurement. Optics Letters, 2010, 35, 2532.	3.3	29
32	High-speed terahertz time-domain spectroscopy based on electronically controlled optical sampling. Optics Letters, 2010, 35, 3715.	3.3	93
33	High-Speed High-Resolution Terahertz Spectrometers. Journal of the Korean Physical Society, 2010, 56, 255-261.	0.7	13
34	Terahertz birefringence of ZnO. , 2009, , .		1
35	Modulation-limited interference terahertz shapes via one-dimensional multilayer structures. , 2009, , .		0
36	Continuous-wave THz generation from ingaas-based photomixers pumped by a tunable dual-wavelength DFB laser. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
37	Terahertz frequency and power measurement based on terahertz frequency comb and a bolometer. , 2009, , .		0
38	Fourier-Transform Terahertz Spectroscopy Using Terahertz Frequency Comb. , 2009, , .		0
39	Compressed sensing pulse-echo mode terahertz reflectance tomography. Optics Letters, 2009, 34, 3863.	3.3	9
40	Terahertz Frequency Spreading Filter via One-dimensional Dielectric Multilayer Structures. Journal of the Optical Society of Korea, 2009, 13, 398-402.	0.6	11
41	High-Resolution Terahertz Time-Domain Spectroscopy Using a Wavelet Power Spectrum Estimation Technique. , 2009, , .		0
42	High-Speed High-Resolution Terahertz Time-Domain Spectrometer. Korean Journal of Optics and Photonics, 2008, 19, 370-375.	0.1	1