

Sangyun Lee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6937350/publications.pdf>

Version: 2024-02-01

27
papers

1,230
citations

567281

15
h-index

610901

24
g-index

36
all docs

36
docs citations

36
times ranked

1299
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating entropy production with odd-parity state variables via machine learning. Physical Review Research, 2022, 4, .	3.6	5
2	Quantumness and thermodynamic uncertainty relation of the finite-time Otto cycle. Physical Review E, 2021, 103, 022136.	2.1	14
3	Inertial effects on the Brownian gyrator. Physical Review E, 2021, 103, 032148.	2.1	14
4	Holotomography: Refractive Index as an Intrinsic Imaging Contrast for 3-D Label-Free Live Cell Imaging. Advances in Experimental Medicine and Biology, 2021, 1310, 211-238.	1.6	23
5	Learning Entropy Production via Neural Networks. Physical Review Letters, 2020, 125, 140604.	7.8	24
6	Finite-time quantum Otto engine: Surpassing the quasistatic efficiency due to friction. Physical Review E, 2020, 101, 022127.	2.1	23
7	Quantum mechanical bound for efficiency of quantum Otto heat engine. Physical Review E, 2019, 100, 012148.	2.1	11
8	Three-Dimensional Shapes and Cell Deformability of Rat Red Blood Cells during and after Asphyxial Cardiac Arrest. Emergency Medicine International, 2019, 2019, 1-10.	0.8	2
9	Nonequilibrium driven by an external torque in the presence of a magnetic field. Physical Review E, 2019, 99, 052142.	2.1	8
10	Three-dimensional label-free imaging and analysis of Pinus pollen grains using optical diffraction tomography. Scientific Reports, 2018, 8, 1782.	3.3	27
11	Label-free non-invasive quantitative measurement of lipid contents in individual microalgal cells using refractive index tomography. Scientific Reports, 2018, 8, 6524.	3.3	66
12	Label-free high-resolution 3-D imaging of gold nanoparticles inside live cells using optical diffraction tomography. Methods, 2018, 136, 160-167.	3.8	38
13	Three-Dimensional Label-Free Characterization of Frog Erythrocytes using Optical Diffraction Tomography. , 2018, , .		0
14	Measurements of three-dimensional refractive index tomography and membrane deformability of live erythrocytes from Pelophylax nigromaculatus. Scientific Reports, 2018, 8, 9192.	3.3	36
15	Combining Three-Dimensional Quantitative Phase Imaging and Fluorescence Microscopy for the Study of Cell Pathophysiology. Yale Journal of Biology and Medicine, 2018, 91, 267-277.	0.2	17
16	Melittin-induced alterations in morphology and deformability of human red blood cells using quantitative phase imaging techniques. Scientific Reports, 2017, 7, 9306.	3.3	37
17	Generalized image deconvolution by exploiting the transmission matrix of an optical imaging system. Scientific Reports, 2017, 7, 8961.	3.3	8
18	Identification of non-activated lymphocytes using three-dimensional refractive index tomography and machine learning. Scientific Reports, 2017, 7, 6654.	3.3	105

#	ARTICLE	IF	CITATIONS
19	Refractive index tomograms and dynamic membrane fluctuations of red blood cells from patients with diabetes mellitus. <i>Scientific Reports</i> , 2017, 7, 1039.	3.3	77
20	Effects of spatiotemporal coherence on interferometric microscopy. <i>Optics Express</i> , 2017, 25, 8085.	3.4	41
21	Measuring cell surface area and deformability of individual human red blood cells over blood storage using quantitative phase imaging. <i>Scientific Reports</i> , 2016, 6, 34257.	3.3	74
22	3-D quantitative measurements of individual human red blood cells from diabetic patients employing 3-D quantitative phase imaging. , 2016, , .		0
23	Optical measurements of stored human red blood cells with and without CPDA-1. , 2016, , .		0
24	Measurements of morphology and refractive indexes on human downy hairs using three-dimensional quantitative phase imaging. <i>Journal of Biomedical Optics</i> , 2015, 20, 111207.	2.6	11
25	Three-dimensional refractive index tomograms and deformability of individual human red blood cells from cord blood of newborn infants and maternal blood. <i>Journal of Biomedical Optics</i> , 2015, 20, 111208.	2.6	43
26	High-Resolution 3-D Refractive Index Tomography and 2-D Synthetic Aperture Imaging of Live Phytoplankton. <i>Journal of the Optical Society of Korea</i> , 2014, 18, 691-697.	0.6	50
27	Quantitative Phase Imaging Techniques for the Study of Cell Pathophysiology: From Principles to Applications. <i>Sensors</i> , 2013, 13, 4170-4191.	3.8	436