

Suho Ryu

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

333
citations

933447

10
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

457
citing authors

#	ARTICLE	IF	CITATIONS
1	A topology optimization implementation for depth-of-focus extension of binary phase filters. Structural and Multidisciplinary Optimization, 2020, 62, 2731-2748.	3.5	7
2	Light sheet fluorescence microscopy using axi-symmetric binary phase filters. Biomedical Optics Express, 2020, 11, 3936.	2.9	9
3	Three-Step Thermal Drawing for Rapid Prototyping of Highly Customizable Microneedles for Vascular Tissue Insertion. Pharmaceutics, 2019, 11, 100.	4.5	13
4	Color-coded LED microscopy for quantitative phase imaging: Implementation and application to sperm motility analysis. Methods, 2018, 136, 66-74.	3.8	15
5	Depthwise-controlled scleral insertion of microneedles for drug delivery to the back of the eye. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 133, 31-41.	4.3	29
6	Highly sensitive paper-based immunoassay using photothermal laser speckle imaging. Biosensors and Bioelectronics, 2018, 117, 385-391.	10.1	29
7	Smartphone-based multi-contrast microscope using color-multiplexed illumination. Scientific Reports, 2017, 7, 7564.	3.3	51
8	Single-exposure quantitative phase imaging in color-coded LED microscopy. Optics Express, 2017, 25, 8398.	3.4	45
9	Design of binary phase filters for depth-of-focus extension via binarization of axisymmetric aberrations. Optics Express, 2017, 25, 30312.	3.4	21
10	A Rapid and Chemical-free Hemoglobin Assay with Photothermal Angular Light Scattering. Journal of Visualized Experiments, 2016, , .	0.3	0
11	Color-coded LED microscopy for multi-contrast and quantitative phase-gradient imaging. Biomedical Optics Express, 2015, 6, 4912.	2.9	45
12	Scalable synthesis of djurleite copper sulphide (Cu _{1.94} S) hexagonal nanoplates from a single precursor copper thiocyanate and their photothermal properties. CrystEngComm, 2015, 17, 4627-4631.	2.6	36
13	Spectrally encoded slit confocal microscopy using a wavelength-swept laser. Journal of Biomedical Optics, 2015, 20, 036016.	2.6	8
14	Capillary-scale direct measurement of hemoglobin concentration of erythrocytes using photothermal angular light scattering. Biosensors and Bioelectronics, 2015, 74, 469-475.	10.1	11
15	Photothermal spectral-domain optical coherence reflectometry for direct measurement of hemoglobin concentration of erythrocytes. Biosensors and Bioelectronics, 2014, 57, 59-64.	10.1	14