

Sangwoo Oh

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

222
citations

1163117

8
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996975

15
g-index

18
all docs

18
docs citations

18
times ranked

283
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of recent progress in lens-free imaging and sensing. <i>Biosensors and Bioelectronics</i> , 2017, 88, 130-143.	10.1	54
2	Fabrication of truly 3D microfluidic channel using 3D-printed soluble mold. <i>Biomicrofluidics</i> , 2018, 12, 014105.	2.4	30
3	A simple and low-cost biofilm quantification method using LED and CMOS image sensor. <i>Journal of Microbiological Methods</i> , 2014, 107, 150-156.	1.6	25
4	Staining-free cell viability measurement technique using lens-free shadow imaging platform. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 577-583.	7.8	19
5	Multi-Spectral Ship Detection Using Optical, Hyperspectral, and Microwave SAR Remote Sensing Data in Coastal Regions. <i>Sustainability</i> , 2018, 10, 4064.	3.2	16
6	Smartphone compatible on-site fluorescence analyzer for spilled crude oil based on CMOS image sensor. <i>Sensors and Actuators B: Chemical</i> , 2019, 289, 93-99.	7.8	13
7	A Field-Portable Cell Analyzer without a Microscope and Reagents. <i>Sensors</i> , 2018, 18, 85.	3.8	12
8	The Ship Detection Using Airborne and In-situ Measurements Based on Hyperspectral Remote Sensing. <i>Journal of the Korean Earth Science Society</i> , 2017, 38, 535-545.	0.2	10
9	Applying hyperspectral remote sensing methods to ship detection based on airborne and ground experiments. <i>International Journal of Remote Sensing</i> , 2020, 41, 5928-5952.	2.9	8
10	Automated Micro-Object Detection for Mobile Diagnostics Using Lens-Free Imaging Technology. <i>Diagnostics</i> , 2016, 6, 17.	2.6	7
11	A Human Serum-Based Enzyme-Free Continuous Glucose Monitoring Technique Using a Needle-Type Bio-Layer Interference Sensor. <i>Sensors</i> , 2016, 16, 1581.	3.8	6
12	Application of Spectral Mixture Analysis to Vessel Monitoring Using Airborne Hyperspectral Data. <i>Remote Sensing</i> , 2020, 12, 2968.	4.0	6
13	Estimation of ship size from satellite optical image using elliptic characteristics of ship periphery. <i>International Journal of Remote Sensing</i> , 2020, 41, 5905-5927.	2.9	6
14	Hazardous Noxious Substance Detection Based on Ground Experiment and Hyperspectral Remote Sensing. <i>Remote Sensing</i> , 2021, 13, 318.	4.0	6
15	Rapid eco-toxicity analysis of hazardous and noxious substances (HNS) using morphological change detection in <i>Dunaliella tertiolecta</i> . <i>Algal Research</i> , 2020, 51, 102063.	4.6	2
16	A CMOS Image Sensor Based Refractometer without Spectrometry. <i>Sensors</i> , 2022, 22, 1209.	3.8	2
17	Real-time Micro-algae Flocculation Analysis Method Based on Lens-free Shadow Imaging Technique (LSIT). <i>Journal of the Korean Society for Marine Environment & Energy</i> , 2016, 19, 341-348.	0.2	0
18	Classification and Identification of Spectral Pixels with Low Maritime Occupancy Using Unsupervised Machine Learning. <i>Remote Sensing</i> , 2022, 14, 1828.	4.0	0