

Junsheng Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3937505/publications.pdf>

Version: 2024-02-01

32
papers

859
citations

687363

13
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

952
citing authors

#	ARTICLE	IF	CITATIONS
1	Separation and characterization of microplastic and nanoplastic particles in marine environment. <i>Environmental Pollution</i> , 2022, 297, 118773.	7.5	55
2	Single image dehazing algorithm based on optical diffraction deep neural networks. <i>Optics Express</i> , 2022, 30, 24394.	3.4	4
3	A Novel Hybrid Plasmonic Resonator With High Quality Factor and Large Free Spectral Range. <i>IEEE Sensors Journal</i> , 2021, 21, 1644-1654.	4.7	4
4	The automatic and high-throughput purification and enrichment of microalgae cells using deterministic lateral displacement arrays with different post shapes. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 2228-2237.	3.2	6
5	Simultaneous Detection of Viability and Concentration of Microalgae Cells Based on Chlorophyll Fluorescence and Bright Field Dual Imaging. <i>Micromachines</i> , 2021, 12, 896.	2.9	2
6	Fine-grained classification of fly species in the natural environment based on deep convolutional neural network. <i>Computers in Biology and Medicine</i> , 2021, 135, 104655.	7.0	4
7	A Novel Handheld High-Throughput Device for Rapid Detection of Phytoplankton in Ship's Ballast Water. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-13.	4.7	6
8	Detection of microalgae objects based on the Improved YOLOv3 model. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 1516-1530.	3.5	9
9	Optical biosensors: an exhaustive and comprehensive review. <i>Analyst</i> , 2020, 145, 1605-1628.	3.5	418
10	Serial Separation of Microalgae in a Microfluidic Chip Under Inertial and Dielectrophoretic Forces. <i>IEEE Sensors Journal</i> , 2020, 20, 14607-14616.	4.7	14
11	Microfluidics for the rapid detection of <i>Staphylococcus aureus</i> using antibody-coated microspheres. <i>Bioengineered</i> , 2020, 11, 1137-1145.	3.2	16
12	Remote Aircraft Target Recognition Method Based on Superpixel Segmentation and Image Reconstruction. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-9.	1.1	6
13	A Novel Method Based on Optofluidic Lensless-Holography for Detecting the Composition of Oil Droplets. <i>IEEE Sensors Journal</i> , 2020, 20, 6928-6936.	4.7	4
14	An End-to-End Oil-Spill Monitoring Method for Multisensory Satellite Images Based on Deep Semantic Segmentation. <i>Sensors</i> , 2020, 20, 725.	3.8	14
15	Quantitative viability detection for a single microalgae cell by two-level photoexcitation. <i>Analyst</i> , 2020, 145, 3931-3938.	3.5	3
16	A Microfluidic Prototype System towards Microalgae Cell Separation, Treatment and Viability Characterization. <i>Sensors</i> , 2019, 19, 4940.	3.8	8
17	Dielectrophoretic separation of microalgae cells in ballast water in a microfluidic chip. <i>Electrophoresis</i> , 2019, 40, 969-978.	2.4	24
18	A novel microfluidic capture and monitoring method for assessing physiological damage of <i>C. elegans</i> under microgravity. <i>Electrophoresis</i> , 2019, 40, 922-929.	2.4	7

#	ARTICLE	IF	CITATIONS
19	Detection of non-small cell lung cancer cells based on microfluidic polarization microscopic image analysis. <i>Electrophoresis</i> , 2019, 40, 1202-1211.	2.4	12
20	Detection of viability of micro-algae cells by optofluidic hologram pattern. <i>Biomicrofluidics</i> , 2018, 12, 024111.	2.4	8
21	A Changeable Lab-on-a-Chip Detector for Marine Nonindigenous Microorganisms in Ship's Ballast Water. <i>Micromachines</i> , 2018, 9, 20.	2.9	8
22	Applications and perspectives on microfluidic technologies in ships and marine engineering: a review. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	16
23	Induced charge effects on electrokinetic entry flow. <i>Physics of Fluids</i> , 2017, 29, .	4.0	35
24	Charge-based separation of particles and cells with similar sizes via the wall-induced electrical lift. <i>Electrophoresis</i> , 2017, 38, 320-326.	2.4	10
25	A New Microfluidic Device for Classification of Microalgae Cells Based on Simultaneous Analysis of Chlorophyll Fluorescence, Side Light Scattering, Resistance Pulse Sensing. <i>Micromachines</i> , 2016, 7, 198.	2.9	16
26	A new hand-held microfluidic cytometer for evaluating irradiation damage by analysis of the damaged cells distribution. <i>Scientific Reports</i> , 2016, 6, 23165.	3.3	10
27	Sheathless electrokinetic particle separation in a bifurcating microchannel. <i>Biomicrofluidics</i> , 2016, 10, 054104.	2.4	15
28	Novel Electrokinetic Microfluidic Detector for Evaluating Effectiveness of Microalgae Disinfection in Ship Ballast Water. <i>International Journal of Molecular Sciences</i> , 2015, 16, 25560-25575.	4.1	14
29	Detection of size spectrum of microalgae cells in an integrated underwater microfluidic device. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 473, 129-137.	1.5	26
30	Simultaneous diamagnetic and magnetic particle trapping in ferrofluid microflows via a single permanent magnet. <i>Biomicrofluidics</i> , 2015, 9, 044102.	2.4	32
31	An induced current method for measuring zeta potential of electrolyte solution's air interface. <i>Journal of Colloid and Interface Science</i> , 2014, 416, 101-104.	9.4	11
32	A Label-Free Microfluidic Biosensor for Activity Detection of Single Microalgae Cells Based on Chlorophyll Fluorescence. <i>Sensors</i> , 2013, 13, 16075-16089.	3.8	42