

Yi Yang

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,633
citations

279798

23
h-index

315739

38
g-index

52
all docs

52
docs citations

52
times ranked

1361
citing authors

#	ARTICLE	IF	CITATIONS
1	A tunable 3D optofluidic waveguide dye laser via two centrifugal Dean flow streams. <i>Lab on A Chip</i> , 2011, 11, 3182.	6.0	246
2	Optofluidic waveguide as a transformation optics device for lightwave bending and manipulation. <i>Nature Communications</i> , 2012, 3, 651.	12.8	153
3	Optofluidic marine phosphate detection with enhanced absorption using a Fabry-Pérot resonator. <i>Lab on A Chip</i> , 2017, 17, 4025-4030.	6.0	69
4	Continuous artificial synthesis of glucose precursor using enzyme-immobilized microfluidic reactors. <i>Nature Communications</i> , 2019, 10, 4049.	12.8	60
5	Compound kushen injection suppresses human acute myeloid leukaemia by regulating the Prdxs/ROS/Trx1 signalling pathway. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 277.	8.6	57
6	Design and fabrication of diverse metamaterial structures by holographic lithography. <i>Optics Express</i> , 2008, 16, 11275.	3.4	54
7	High-resolution and multi-range particle separation by microscopic vibration in an optofluidic chip. <i>Lab on A Chip</i> , 2017, 17, 2443-2450.	6.0	53
8	A liquid thermal gradient refractive index lens and using it to trap single living cell in flowing environments. <i>Lab on A Chip</i> , 2017, 17, 1280-1286.	6.0	51
9	An optofluidic prism tuned by two laminar flows. <i>Lab on A Chip</i> , 2011, 11, 1864.	6.0	50
10	Precise and non-invasive circulating tumor cell isolation based on optical force using homologous erythrocyte binding. <i>Lab on A Chip</i> , 2019, 19, 2549-2556.	6.0	47
11	Precise Sorting of Gold Nanoparticles in a Flowing System. <i>ACS Photonics</i> , 2016, 3, 2497-2504.	6.6	42
12	On-chip hydrogel arrays individually encapsulating acoustic formed multicellular aggregates for high throughput drug testing. <i>Lab on A Chip</i> , 2020, 20, 2228-2236.	6.0	42
13	Transformation optofluidics for large-angle light bending and tuning. <i>Lab on A Chip</i> , 2012, 12, 3785.	6.0	41
14	Microfluidic droplet grating for reconfigurable optical diffraction. <i>Optics Letters</i> , 2010, 35, 1890.	3.3	37
15	Optofluidics: the interaction between light and flowing liquids in integrated devices. <i>Opto-Electronic Advances</i> , 2019, 2, 19000701-19000710.	13.3	37
16	A Portable and Accurate Phosphate Sensor Using a Gradient Fabry-Pérot Array. <i>ACS Sensors</i> , 2020, 5, 1381-1388.	7.8	36
17	Real-time detection and monitoring of the drug resistance of single myeloid leukemia cells by diffused total internal reflection. <i>Lab on A Chip</i> , 2018, 18, 1422-1429.	6.0	35
18	Precise label-free leukocyte subpopulation separation using hybrid acoustic-optical chip. <i>Lab on A Chip</i> , 2018, 18, 3405-3412.	6.0	35

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19	Optofluidic restricted imaging, spectroscopy and counting of nanoparticles by evanescent wave using immiscible liquids. Lab on A Chip, 2016, 16, 3007-3014.	6.0	34
20	Optofluidic lens with low spherical and low field curvature aberrations. Lab on A Chip, 2016, 16, 1617-1624.	6.0	32
21	Tunable self-imaging effect using hybrid optofluidic waveguides. Lab on A Chip, 2015, 15, 4398-4403.	6.0	28
22	Versatile biomimetic array assembly by phase modulation of coherent acoustic waves. Lab on A Chip, 2020, 20, 3515-3523.	6.0	28
23	Optofluidic differential colorimetry for rapid nitrite determination. Lab on A Chip, 2018, 18, 2994-3002.	6.0	27
24	Rapid nitrate determination with a portable lab-on-chip device based on double microstructured assisted reactors. Lab on A Chip, 2021, 21, 1109-1117.	6.0	25
25	Tunable transformation optical waveguide bends in liquid. Optica, 2017, 4, 839.	9.3	24
26	Microfluidic-based <i>in vitro</i> thrombosis model for studying microplastics toxicity. Lab on A Chip, 2022, 22, 1344-1353.	6.0	23
27	On-chip rapid drug screening of leukemia cells by acoustic streaming. Lab on A Chip, 2021, 21, 4005-4015.	6.0	21
28	Tunable focusing properties using optofluidic Fresnel zone plates. Lab on A Chip, 2016, 16, 4554-4559.	6.0	20
29	Tunable Visible Cloaking Using Liquid Diffusion. Laser and Photonics Reviews, 2017, 11, 1700066.	8.7	20
30	Touchable cell biophysics property recognition platforms enable multifunctional blood smart health care. Microsystems and Nanoengineering, 2021, 7, 103.	7.0	18
31	A switchable 3D liquid liquid biconvex lens with enhanced resolution using Dean flow. Lab on A Chip, 2017, 17, 3258-3263.	6.0	17
32	Autonomous and In Situ Ocean Environmental Monitoring on Optofluidic Platform. Micromachines, 2020, 11, 69.	2.9	16
33	Fabrication of periodic complex photonic crystals constructed with a portion of photonic quasicrystals by interference lithography. Applied Physics Letters, 2008, 93, 061112.	3.3	15
34	Tunable visual color filter using microfluidic grating. Biomicrofluidics, 2010, 4, 043013.	2.4	15
35	Evaluation of Luminescence Properties of Single Hydrophilic Upconversion Nanoparticles by Optical Trapping. Journal of Physical Chemistry C, 2019, 123, 10107-10113.	3.1	14
36	Digital optofluidic compound eyes with natural structures and zooming capability for large-area fluorescence sensing. Biosensors and Bioelectronics, 2022, 195, 113670.	10.1	14

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37	Realization of periodic and quasiperiodic microstructures with sub-diffraction-limit feature sizes by far-field holographic lithography. <i>Applied Physics Letters</i> , 2006, 89, 111104.	3.3	13
38	Switchable 3D optofluidic Y-branch waveguides tuned by Dean flows. <i>Scientific Reports</i> , 2016, 6, 38338.	3.3	13
39	Identification of Potential Biomarkers of Polycystic Ovary Syndrome via Integrated Bioinformatics Analysis. <i>Reproductive Sciences</i> , 2021, 28, 1353-1361.	2.5	11
40	A Phosphorescence Quenching-Based Intelligent Dissolved Oxygen Sensor on an Optofluidic Platform. <i>Micromachines</i> , 2021, 12, 281.	2.9	10
41	Smart acoustic 3D cell construct assembly with high-resolution. <i>Biofabrication</i> , 2022, 14, 045003.	7.1	10
42	Silver Nanoprism Enhanced Colorimetry for Precise Detection of Dissolved Oxygen. <i>Micromachines</i> , 2020, 11, 383.	2.9	8
43	Optofluidic gradient refractive index resonators using liquid diffusion for tunable unidirectional emission. <i>Lab on A Chip</i> , 2020, 20, 2656-2662.	6.0	7
44	The Role of Bone Morphogenetic Protein 4 in Ovarian Function and Diseases. <i>Reproductive Sciences</i> , 2021, 28, 3316-3330.	2.5	7
45	Noninvasive Optical Isolation and Identification of Circulating Tumor Cells Engineered by Fluorescent Microspheres. <i>ACS Applied Bio Materials</i> , 2022, 5, 2768-2776.	4.6	6
46	Light Manipulation in Inhomogeneous Liquid Flow and Its Application in Biochemical Sensing. <i>Micromachines</i> , 2018, 9, 163.	2.9	5
47	Tunable Visible Cloaking Using Liquid Diffusion (<i>Laser Photonics Rev.</i> 11(6)/2017). <i>Laser and Photonics Reviews</i> , 2017, 11, 1770062.	8.7	3
48	Optofluidic waveguide bending by thermal diffusion for visible light control. <i>Optics Letters</i> , 2020, 45, 3725.	3.3	3
49	Amplitude Holographic Interference-Based Microfluidic Colorimetry at the Micrometer Scale. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4747-4754.	4.6	1
50	Gold nanoparticle sorting based on optofluidics. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
51	A tunable optofluidic circular liquid fiber. , 2017, , .		0
52	An analogical gravitational lens model. , 2022, , .		0