

Wenguang Yang

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

502
citations

13
h-index

20
g-index

61
ext. papers

800
ext. citations

4.9
avg, IF

4.17
L-index

#	Paper	IF	Citations
52	Optogenetically engineered cell-based graphene transistor for pharmacodynamic evaluation of anticancer drugs. <i>Sensors and Actuators B: Chemical</i> , 2022 , 358, 131494	8.5	1
51	Bubble-based microrobots enable digital assembly of heterogeneous microtissue modules.. <i>Biofabrication</i> , 2022 ,	10.5	3
50	Atomic Force Microscopy for Tumor Research at Cell and Molecule Levels.. <i>Microscopy and Microanalysis</i> , 2022 , 1-18	0.5	0
49	Accurate and Automatic Extraction of Cell Self-Rotation Speed in an ODEP Field Using an Area Change Algorithm. <i>Micromachines</i> , 2022 , 13, 818	3.3	
48	Recent advance in cell patterning techniques: Approaches, applications and future prospects. <i>Sensors and Actuators A: Physical</i> , 2021 , 333, 113229	3.9	1
47	Microlenses arrays: Fabrication, materials, and applications. <i>Microscopy Research and Technique</i> , 2021 , 84, 2784-2806	2.8	3
46	Non-invasive acquisition of mechanical properties of cells via passive microfluidic mechanisms: A review. <i>Biomicrofluidics</i> , 2021 , 15, 031501	3.2	1
45	Micropatterned Cell-Repellent Interface Using Femtosecond Laser Direct Writing to Engineer Controlled Cell Organization. <i>Advanced Materials Technologies</i> , 2021 , 6, 2100178	6.8	2
44	Cell-Repellent Interfaces: Micropatterned Cell-Repellent Interface Using Femtosecond Laser Direct Writing to Engineer Controlled Cell Organization (Adv. Mater. Technol. 7/2021). <i>Advanced Materials Technologies</i> , 2021 , 6, 2170038	6.8	
43	Mechanisms, influencing factors, and applications of electrohydrodynamic jet printing. <i>Nanotechnology Reviews</i> , 2021 , 10, 1046-1078	6.3	8
42	Recent Advances in Three-Dimensional Multicellular Spheroid Culture and Future Development. <i>Micromachines</i> , 2021 , 12,	3.3	10
41	Digital micro-mirror device -based light curing technology and its biological applications. <i>Optics and Laser Technology</i> , 2021 , 143, 107344	4.2	0
40	Engineering Biological Tissues from the Bottom-Up: Recent Advances and Future Prospects.. <i>Micromachines</i> , 2021 , 13,	3.3	2
39	Customized construction of microscale multi-component biostructures for cellular applications.. <i>Materials Science and Engineering C</i> , 2021 , 112599	8.3	
38	Dynamic fabrication of microfluidic systems for particles separation based on optical projection lithography. <i>Biomedical Microdevices</i> , 2020 , 22, 80	3.7	3
37	Dynamically directing cell organization via micro-hump structure patterned cell-adhered interfaces. <i>Lab on A Chip</i> , 2020 , 20, 2447-2452	7.2	6
36	Determination of Dielectric Properties of Cells using AC Electrokinetic-based Microfluidic Platform: A Review of Recent Advances. <i>Micromachines</i> , 2020 , 11,	3.3	6

35	Microfluidic-based cancer cell separation using active and passive mechanisms. <i>Microfluidics and Nanofluidics</i> , 2020 , 24, 1	2.8	17
34	Biomimetic construction of peritoneum to imitate peritoneal metastasis using digital micromirror device-based optical projection lithography. <i>Lab on A Chip</i> , 2020 , 20, 3109-3119	7.2	2
33	Modular and Customized Fabrication of 3D Functional Microgels for Bottom-Up Tissue Engineering and Drug Screening. <i>Advanced Materials Technologies</i> , 2020 , 5, 1900847	6.8	7
32	A Review on Optoelectrokinetics-Based Manipulation and Fabrication of Micro/Nanomaterials. <i>Micromachines</i> , 2020 , 11,	3.3	6
31	Recent advance in surface modification for regulating cell adhesion and behaviors. <i>Nanotechnology Reviews</i> , 2020 , 9, 971-989	6.3	81
30	Label-free characterization of different kinds of cells using optoelectrokinetic-based microfluidics. <i>Optics Letters</i> , 2020 , 45, 2454-2457	3	2
29	Influence of MoS-metal interface on charge injection: a comparison between various metal contacts. <i>Nanotechnology</i> , 2020 , 31, 395713	3.4	2
28	Fabrication of flexible microlens arrays for parallel super-resolution imaging. <i>Applied Surface Science</i> , 2020 , 504, 144375	6.7	16
27	Recent advances in microfluidic technologies for separation of biological cells. <i>Biomedical Microdevices</i> , 2020 , 22, 55	3.7	5
26	Microsphere-Based Super-Resolution Imaging for Visualized Nanomanipulation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 48093-48100	9.5	11
25	4D Printing: A Review on Recent Progresses. <i>Micromachines</i> , 2020 , 11,	3.3	43
24	Recent advances in AFM-based biological characterization and applications at multiple levels. <i>Soft Matter</i> , 2020 ,	3.6	10
23	Visible light driven recyclable micromotors for on-the-fly water remediation. <i>Materials Letters</i> , 2020 , 258, 126825	3.3	7
22	Mask-free generation of multicellular 3D heterospheroids array for high-throughput combinatorial anti-cancer drug screening. <i>Materials and Design</i> , 2019 , 183, 108182	8.1	17
21	Development of Multi-Dimensional Cell Co-Culture via a Novel Microfluidic Chip Fabricated by DMD-Based Optical Projection Lithography. <i>IEEE Transactions on Nanobioscience</i> , 2019 , 18, 679-686	3.4	3
20	Imaging with Optogenetically Engineered Living Cells as a Photodetector. <i>Advanced Biology</i> , 2019 , 3, e1800319	3.5	3
19	Development of an image biosensor based on an optogenetically engineered cell for visual prostheses. <i>Nanoscale</i> , 2019 , 11, 13213-13218	7.7	2
18	Untethered microgripper-the dexterous hand at microscale. <i>Biomedical Microdevices</i> , 2019 , 21, 82	3.7	6

17	Facile Method for Fabricating Microfluidic Chip Integrated with Microwell Arrays for Cell Trapping. <i>Micromachines</i> , 2019 , 10,	3.3	2
16	Hydrogel Printing Based on UV-Induced Projection for Cell-Based Microarray Fabrication. <i>Methods in Molecular Biology</i> , 2018 , 1771, 97-105	1.4	1
15	Label-free multidimensional information acquisition from optogenetically engineered cells using a graphene transistor. <i>Nanoscale</i> , 2018 , 10, 2285-2290	7.7	9
14	Recent advances of light-driven micro/nanomotors: toward powerful thrust and precise control. <i>Nanotechnology Reviews</i> , 2018 , 7, 555-581	6.3	20
13	Spatial Manipulation and Assembly of Nanoparticles by Atomic Force Microscopy Tip-Induced Dielectrophoresis. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 16715-16724	9.5	14
12	Mask-free fabrication of a versatile microwell chip for multidimensional cellular analysis and drug screening. <i>Lab on A Chip</i> , 2017 , 17, 4243-4252	7.2	22
11	High-Throughput Fabrication and Modular Assembly of 3D Heterogeneous Microscale Tissues. <i>Small</i> , 2017 , 13, 1602769	11	40
10	2D Normalized Iterative Hard Thresholding Algorithm for Fast Compressive Radar Imaging. <i>Remote Sensing</i> , 2017 , 9, 619	5	4
9	Facile modulation of cell adhesion to a poly(ethylene glycol) diacrylate film with incorporation of polystyrene nano-spheres. <i>Biomedical Microdevices</i> , 2016 , 18, 107	3.7	6
8	Regulation of cell adhesion to poly(ethylene glycol) diacrylate film by modification with polystyrene nano-spheres 2016 ,		1
7	Single-pixel camera with one graphene photodetector. <i>Optics Express</i> , 2016 , 24, 400-8	3.3	16
6	Regulation of breast cancer cell behaviours by the physical microenvironment constructed via projection microstereolithography. <i>Biomaterials Science</i> , 2016 , 4, 863-70	7.4	15
5	Fabrication of microstructures using the DMD-based modulating projection printing method 2015 ,		1
4	Selective pattern of cancer cell accumulation and growth using UV modulating printing of hydrogels. <i>Biomedical Microdevices</i> , 2015 , 17, 104	3.7	17
3	Nano-Manipulation Based on Real-Time Compressive Tracking. <i>IEEE Nanotechnology Magazine</i> , 2015 , 14, 837-846	2.6	10
2	Rapid Fabrication of Hydrogel Microstructures Using UV-Induced Projection Printing. <i>Micromachines</i> , 2015 , 6, 1903-1913	3.3	32
1	Engineered liver tissue in vitro to mimic liver functions and its biomedical applications. <i>Materials Advances</i> ,	3.3	