Wenguang Yang

List of Publications by Citations

52	502	13	20
papers	citations	h-index	g-index
61	800	4.9	4.17
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
52	Recent advance in surface modification for regulating cell adhesion and behaviors. *Nanotechnology Reviews*, **2020**, 9, 971-989	6.3	81
51	4D Printing: A Review on Recent Progresses. *Micromachines*, **2020**, 11,	3.3	43
50	High-Throughput Fabrication and Modular Assembly of 3D Heterogeneous Microscale Tissues. *Small*, **2017**, 13, 1602769	11	40
49	Rapid Fabrication of Hydrogel Microstructures Using UV-Induced Projection Printing. *Micromachines*, **2015**, 6, 1903-1913	3.3	32
48	Mask-free fabrication of a versatile microwell chip for multidimensional cellular analysis and drug screening. *Lab on A Chip*, **2017**, 17, 4243-4252	7.2	22
47	Recent advances of light-driven micro/nanomotors: toward powerful thrust and precise control. *Nanotechnology Reviews*, **2018**, 7, 555-581	6.3	20
46	Mask-free generation of multicellular 3D heterospheroids array for high-throughput combinatorial anti-cancer drug screening. *Materials and Design*, **2019**, 183, 108182	8.1	17
45	Selective pattern of cancer cell accumulation and growth using UV modulating printing of hydrogels. *Biomedical Microdevices*, **2015**, 17, 104	3.7	17
44	Microfluidic-based cancer cell separation using active and passive mechanisms. *Microfluidics and Nanofluidics*, **2020**, 24, 1	2.8	17
43	Fabrication of flexible microlens arrays for parallel super-resolution imaging. *Applied Surface Science*, **2020**, 504, 144375	6.7	16
42	Single-pixel camera with one graphene photodetector. *Optics Express*, **2016**, 24, 400-8	3.3	16
41	Regulation of breast cancer cell behaviours by the physical microenvironment constructed via projection microstereolithography. *Biomaterials Science*, **2016**, 4, 863-70	7.4	15
40	Spatial Manipulation and Assembly of Nanoparticles by Atomic Force Microscopy Tip-Induced Dielectrophoresis. *ACS Applied Materials & Interfaces*, **2017**, 9, 16715-16724	9.5	14
39	Microsphere-Based Super-Resolution Imaging for Visualized Nanomanipulation. *ACS Applied Materials & Interfaces*, **2020**, 12, 48093-48100	9.5	11
38	Nano-Manipulation Based on Real-Time Compressive Tracking. *IEEE Nanotechnology Magazine*, **2015**, 14, 837-846	2.6	10
37	Recent advances in AFM-based biological characterization and applications at multiple levels. *Soft Matter*, **2020**,	3.6	10
36	Recent Advances in Three-Dimensional Multicellular Spheroid Culture and Future Development. *Micromachines*, **2021**, 12,	3.3	10

35	Label-free multidimensional information acquisition from optogenetically engineered cells using a graphene transistor. *Nanoscale*, **2018**, 10, 2285-2290	7.7	9
34	Mechanisms, influencing factors, and applications of electrohydrodynamic jet printing. *Nanotechnology Reviews*, **2021**, 10, 1046-1078	6.3	8
33	Modular and Customized Fabrication of 3D Functional Microgels for Bottom-Up Tissue Engineering and Drug Screening. *Advanced Materials Technologies*, **2020**, 5, 1900847	6.8	7
32	Visible light driven recyclable micromotors for □n-the-fly□water remediation. *Materials Letters*, **2020**, 258, 126825	3.3	7
31	Dynamically directing cell organization via micro-hump structure patterned cell-adhered interfaces. *Lab on A Chip*, **2020**, 20, 2447-2452	7.2	6
30	Determination of Dielectric Properties of Cells using AC Electrokinetic-based Microfluidic Platform: A Review of Recent Advances. *Micromachines*, **2020**, 11,	3.3	6
29	A Review on Optoelectrokinetics-Based Manipulation and Fabrication of Micro/Nanomaterials. *Micromachines*, **2020**, 11,	3.3	6
28	Facile modulation of cell adhesion to a poly(ethylene glycol) diacrylate film with incorporation of polystyrene nano-spheres. *Biomedical Microdevices*, **2016**, 18, 107	3.7	6
27	Untethered microgripper-the dexterous hand at microscale. *Biomedical Microdevices*, **2019**, 21, 82	3.7	6
26	Recent advances in microfluidic technologies for separation of biological cells. *Biomedical Microdevices*, **2020**, 22, 55	3.7	5
25	2D Normalized Iterative Hard Thresholding Algorithm for Fast Compressive Radar Imaging. *Remote Sensing*, **2017**, 9, 619	5	4
24	Development of Multi-Dimensional Cell Co-Culture via a Novel Microfluidic Chip Fabricated by DMD-Based Optical Projection Lithography. *IEEE Transactions on Nanobioscience*, **2019**, 18, 679-686	3.4	3
23	Imaging with Optogenetically Engineered Living Cells as a Photodetector. *Advanced Biology*, **2019**, 3, e1800319	3.5	3
22	Dynamic fabrication of microfluidic systems for particles separation based on optical projection lithography. *Biomedical Microdevices*, **2020**, 22, 80	3.7	3
21	Microlenses arrays: Fabrication, materials, and applications. *Microscopy Research and Technique*, **2021**, 84, 2784-2806	2.8	3
20	Bubble-based microrobots enable digital assembly of heterogeneous microtissue modules.. *Biofabrication*, **2022**,	10.5	3
19	Development of an image biosensor based on an optogenetically engineered cell for visual prostheses. *Nanoscale*, **2019**, 11, 13213-13218	7.7	2
18	Biomimetic construction of peritoneum to imitate peritoneal metastasis using digital micromirror device-based optical projection lithography. *Lab on A Chip*, **2020**, 20, 3109-3119	7.2	2

17	Label-free characterization of different kinds of cells using optoelectrokinetic-based microfluidics. *Optics Letters*, **2020**, 45, 2454-2457	3	2
16	Influence of MoS-metal interface on charge injection: a comparison between various metal contacts. *Nanotechnology*, **2020**, 31, 395713	3.4	2
15	Micropatterned Cell-Repellent Interface Using Femtosecond Laser Direct Writing to Engineer Controlled Cell Organization. *Advanced Materials Technologies*, **2021**, 6, 2100178	6.8	2
14	Facile Method for Fabricating Microfluidic Chip Integrated with Microwell Arrays for Cell Trapping. *Micromachines*, **2019**, 10,	3.3	2
13	Engineering Biological Tissues from the Bottom-Up: Recent Advances and Future Prospects.. *Micromachines*, **2021**, 13,	3.3	2
12	Fabrication of microstructures using the DMD-based modulating projection printing method **2015**,		1
11	Hydrogel Printing Based on UV-Induced Projection for Cell-Based Microarray Fabrication. *Methods in Molecular Biology*, **2018**, 1771, 97-105	1.4	1
10	Optogenetically engineered cell-based graphene transistor for pharmacodynamic evaluation of anticancer drugs. *Sensors and Actuators B: Chemical*, **2022**, 358, 131494	8.5	1
9	Recent advance in cell patterning techniques: Approaches, applications and future prospects. *Sensors and Actuators A: Physical*, **2021**, 333, 113229	3.9	1
8	Non-invasive acquisition of mechanical properties of cells via passive microfluidic mechanisms: A review. *Biomicrofluidics*, **2021**, 15, 031501	3.2	1
7	Regulation of cell adhesion to poly(ethylene glycol) diacrylate film by modification with polystyrene nano-spheres **2016**,		1
6	Digital micro-mirror device -based light curing technology and its biological applications. *Optics and Laser Technology*, **2021**, 143, 107344	4.2	0
5	Atomic Force Microscopy for Tumor Research at Cell and Molecule Levels.. *Microscopy and Microanalysis*, **2022**, 1-18	0.5	0
4	Cell-Repellent Interfaces: Micropatterned Cell-Repellent Interface Using Femtosecond Laser Direct Writing to Engineer Controlled Cell Organization (Adv. Mater. Technol. 7/2021). *Advanced Materials Technologies*, **2021**, 6, 2170038	6.8	
3	Engineered liver tissue in vitro to mimic liver functions and its biomedical applications. *Materials Advances*,	3.3	
2	Customized construction of microscale multi-component biostructures for cellular applications.. *Materials Science and Engineering C*, **2021**, 112599	8.3	
1	Accurate and Automatic Extraction of Cell Self-Rotation Speed in an ODEP Field Using an Area Change Algorithm. *Micromachines*, **2022**, 13, 818	3.3	