Sungsu Park

List of Publications by Citations

136 papers	6,314 citations	40 h-index	76 g-index
152 ext. papers	7,069 ext. citations	5.7 avg, IF	5.67 L-index

#	Paper	IF	Citations
136	Unique sandwich stacking of pyrene-adenine-pyrene for selective and ratiometric fluorescent sensing of ATP at physiological pH. *Journal of the American Chemical Society*, **2009**, 131, 15528-33	16.4	514
135	A highly selective ratiometric near-infrared fluorescent cyanine sensor for cysteine with remarkable shift and its application in bioimaging. *Chemical Science*, **2012**, 3, 2760	9.4	389
134	Salicylimine-based fluorescent chemosensor for aluminum ions and application to bioimaging. *Inorganic Chemistry*, **2012**, 51, 3597-602	5.1	306
133	Hg2+ selective fluorescent and colorimetric sensor: its crystal structure and application to bioimaging. *Organic Letters*, **2008**, 10, 5235-8	6.2	280
132	A near-infrared fluorescent sensor for detection of cyanide in aqueous solution and its application for bioimaging. *Chemical Communications*, **2010**, 46, 8953-5	5.8	277
131	A highly selective cyanide sensing in water via fluorescence change and its application to in vivo imaging. *Chemical Communications*, **2009**, 2866-8	5.8	217
130	Cyclic stretching of soft substrates induces spreading and growth. *Nature Communications*, **2015**, 6, 6333	17.4	184
129	Fluorescent molecular logic gates using microfluidic devices. *Angewandte Chemie - International Edition*, **2008**, 47, 872-6	16.4	162
128	New fluorescent and colorimetric chemosensors bearing rhodamine and binaphthyl groups for the detection of Cu2+. *Sensors and Actuators B: Chemical*, **2009**, 137, 597-602	8.5	148
127	Influence of topology on bacterial social interaction. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 13910-5	11.5	143
126	A gel-free 3D microfluidic cell culture system. *Biomaterials*, **2008**, 29, 3237-44	15.6	138
125	Bacterial metapopulations in nanofabricated landscapes. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 17290-5	11.5	132
124	AFM study of the differential inhibitory effects of the green tea polyphenol (-)-epigallocatechin-3-gallate (EGCG) against Gram-positive and Gram-negative bacteria. *Food Microbiology*, **2012**, 29, 80-7	6	123
123	Rhodamine hydrazone derivatives as Hg2+ selective fluorescent and colorimetric chemosensors and their applications to bioimaging and microfluidic system. *Analyst, The*, **2011**, 136, 1339-43	5	115
122	Motion to form a quorum. *Science*, **2003**, 301, 188	33.3	114
121	Microfluidic gut-on-a-chip with three-dimensional villi structure. *Biomedical Microdevices*, **2017**, 19, 37	3.7	110
120	Enhanced Caenorhabditis elegans locomotion in a structured microfluidic environment. *PLoS ONE*, **2008**, 3, e2550	3.7	108

119	Sensing cyanide ion via fluorescent change and its application to the microfluidic system. *Tetrahedron Letters*, **2008**, 49, 4102-4105	2	106
118	Nictation, a dispersal behavior of the nematode Caenorhabditis elegans, is regulated by IL2 neurons. *Nature Neuroscience*, **2011**, 15, 107-12	25.5	101
117	Comparison of mesenchymal stem cells derived from fat, bone marrow, Wharton's jelly, and umbilical cord blood for treating spinal cord injuries in dogs. *Journal of Veterinary Medical Science*, **2012**, 74, 1617-30	1.1	93
116	A new rhodamine derivative bearing benzothiazole and thiocarbonyl moieties as a highly selective fluorescent and colorimetric chemodosimeter for Hg2+. *Sensors and Actuators B: Chemical*, **2012**, 161, 948-953	8.5	88
115	Strongly-Coupled Freestanding Hybrid Films of Graphene and Layered Titanate Nanosheets: An Effective Way to Tailor the Physicochemical and Antibacterial Properties of Graphene Film. *Advanced Functional Materials*, **2014**, 24, 2288-2294	15.6	85
114	Solvent-dependent selective fluorescence assay of aluminum and gallium ions using julolidine-based probe. *Dyes and Pigments*, **2013**, 99, 1016-1021	4.6	77
113	Escherichia coli O157:H7 as an emerging foodborne pathogen: a literature review. *Critical Reviews in Food Science and Nutrition*, **1999**, 39, 481-502	11.5	68
112	Three-dimensional intestinal villi epithelium enhances protection of human intestinal cells from bacterial infection by inducing mucin expression. *Integrative Biology (United Kingdom)*, **2014**, 6, 1122-31	3.7	67
111	Analysis of changes in gene expression and metabolic profiles induced by silica-coated magnetic nanoparticles. *ACS Nano*, **2012**, 6, 7665-80	16.7	63
110	Antipathogenic properties of green tea polyphenol epigallocatechin gallate at concentrations below the MIC against enterohemorrhagic Escherichia coli O157:H7. *Journal of Food Protection*, **2009**, 72, 325-31	2.5	63
109	The role of periplasmic antioxidant enzymes (superoxide dismutase and thiol peroxidase) of the Shiga toxin-producing Escherichia coli O157:H7 in the formation of biofilms. *Proteomics*, **2006**, 6, 6181-93	4.8	63
108	Microfluidic synthesis of Janus particles by UV-directed phase separation. *Chemical Communications* , **2011**, 47, 2634-6	5.8	62
107	Simple Route to Hydrophilic Microfluidic Chip Fabrication Using an Ultraviolet (UV)-Cured Polymer. *Advanced Functional Materials*, **2007**, 17, 3493-3498	15.6	60
106	Cell stretching devices as research tools: engineering and biological considerations. *Lab on A Chip*, **2016**, 16, 3193-203	7.2	59
105	New acridine derivatives bearing immobilized azacrown or azathiacrown ligand as fluorescent chemosensors for Hg2+ and Cd2+. *Tetrahedron Letters*, **2008**, 49, 1261-1265	2	54
104	Nanofeature-Patterned Polymer Mold Fabrication toward Precisely Defined Nanostructure Replication. *Chemistry of Materials*, **2005**, 17, 5867-5870	9.6	49
103	A microfluidic cell culture device (ﬂCCD) to culture epithelial cells with physiological and morphological properties that mimic those of the human intestine. *Biomedical Microdevices*, **2015**, 17, 9966	3.7	48
102	Fluorescent Molecular Logic Gates Using Microfluidic Devices. *Angewandte Chemie*, **2008**, 120, 886-890	3.6	47

101	Rapid emergence and mechanisms of resistance by U87 glioblastoma cells to doxorubicin in an in vitro tumor microfluidic ecology. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 14283-14288	11.5	45
100	Conjugated polydiacetylenes bearing quaternary ammonium groups as a dual colorimetric and fluorescent sensor for ATP. *Journal of Materials Chemistry*, **2012**, 22, 3795		44
99	Sensing and antibacterial activity of imidazolium-based conjugated polydiacetylenes. *Biosensors and Bioelectronics*, **2016**, 77, 1016-9	11.8	43
98	Curli mediate bacterial adhesion to fibronectin via tensile multiple bonds. *Scientific Reports*, **2016**, 6, 33909	4.9	41
97	Inhibitory effects of broccoli extract on Escherichia coli O157:H7 quorum sensing and in vivo virulence. *FEMS Microbiology Letters*, **2011**, 321, 67-74	2.9	40
96	Immunoliposome sandwich assay for the detection of Escherichia coli O157:H7. *Analytical Biochemistry*, **2000**, 280, 151-8	3.1	39
95	A Microfluidic Spheroid Culture Device with a Concentration Gradient Generator for High-Throughput Screening of Drug Efficacy. *Molecules*, **2018**, 23,	4.8	39
94	Programmable manipulation of motile cells in optoelectronic tweezers using a grayscale image. *Applied Physics Letters*, **2008**, 93, 143901	3.4	38
93	3D-printed microfluidic magnetic preconcentrator for the detection of bacterial pathogen using an ATP luminometer and antibody-conjugated magnetic nanoparticles. *Journal of Microbiological Methods*, **2017**, 132, 128-133	2.8	36
92	Simple fabrication of hydrophilic nanochannels using the chemical bonding between activated ultrathin PDMS layer and cover glass by oxygen plasma. *Lab on A Chip*, **2011**, 11, 348-53	7.2	36
91	Anisotropic rigidity sensing on grating topography directs human mesenchymal stem cell elongation. *Biomechanics and Modeling in Mechanobiology*, **2014**, 13, 27-39	3.8	34
90	Interactive transcriptome analysis of enterohemorrhagic Escherichia coli (EHEC) O157:H7 and intestinal epithelial HT-29 cells after bacterial attachment. *International Journal of Food Microbiology*, **2009**, 131, 224-32	5.8	34
89	Three-Dimensional Paper-Based Microfluidic Analytical Devices Integrated with a Plasma Separation Membrane for the Detection of Biomarkers in Whole Blood. *ACS Applied Materials & Interfaces*, **2019**, 11, 36428-36434	9.5	32
88	Double-sided 3D printing on paper towards mass production of three-dimensional paper-based microfluidic analytical devices (3D-PADs). *Lab on A Chip*, **2018**, 18, 1533-1538	7.2	31
87	Funnel ratchets in biology at low Reynolds number: choanotaxis. *Journal of Modern Optics*, **2008**, 55, 3413-3422	1.1	31
86	Effect of bacteriocin produced by Lactococcus sp. HY 449 on skin-inflammatory bacteria. *Food and Chemical Toxicology*, **2006**, 44, 1184-90	4.7	31
85	The role of disulfide bond isomerase A (DsbA) of Escherichia coli O157:H7 in biofilm formation and virulence. *FEMS Microbiology Letters*, **2008**, 278, 213-22	2.9	30
84	In vivo fluorescence imaging of bacteriogenic cyanide in the lungs of live mice infected with cystic fibrosis pathogens. *PLoS ONE*, **2011**, 6, e21387	3.7	30

83	Three-dimensional in vitro gut model on a villi-shaped collagen scaffold. *Biochip Journal*, **2017**, 11, 219-231	4	27
82	3D Bioprinted Vascularized Tumour for Drug Testing. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	26
81	Endocrine system on chip for a diabetes treatment model. *Biofabrication*, **2017**, 9, 015021	10.5	25
80	Escherichia coli O157:H7 as an emerging foodborne pathogen: a literature review. *Critical Reviews in Biotechnology*, **2001**, 21, 27-48	9.4	25
79	Contribution of actin filaments and microtubules to cell elongation and alignment depends on the grating depth of microgratings. *Journal of Nanobiotechnology*, **2016**, 14, 35	9.4	24
78	Proteome analysis of virulence factor regulated by autoinducer-2-like activity in Escherichia coli O157:H7. *Journal of Food Protection*, **2007**, 70, 300-7	2.5	24
77	Multilayer transfer printing on microreservoir-patterned substrate employing hydrophilic composite mold for selective immobilization of biomolecules. *Langmuir*, **2006**, 22, 7689-94	4	24
76	A fluorescein derivative for nanomolar aqueous copper and monitoring copper ion uptake by transferrin and amyloid precursor protein. *Tetrahedron Letters*, **2006**, 47, 1051-1054	2	24
75	An integrated microfluidic PCR system with immunomagnetic nanoparticles for the detection of bacterial pathogens. *Biomedical Microdevices*, **2016**, 18, 116	3.7	24
74	Double-sided electrohydrodynamic jet printing of two-dimensional electrode array in paper-based digital microfluidics. *Sensors and Actuators B: Chemical*, **2019**, 282, 831-837	8.5	23
73	A biological sensor platform using a pneumatic-valve controlled microfluidic device containing Tetrahymena pyriformis. *Lab on A Chip*, **2007**, 7, 638-40	7.2	22
72	Development of wrinkled skin-on-a-chip (WSOC) by cyclic uniaxial stretching. *Journal of Industrial and Engineering Chemistry*, **2018**, 68, 238-245	6.3	20
71	Chemoresistance in the Human Triple-Negative Breast Cancer Cell Line MDA-MB-231 Induced by Doxorubicin Gradient Is Associated with Epigenetic Alterations in Histone Deacetylase. *Journal of Oncology*, **2019**, 2019, 1345026	4.5	20
70	Rapid, high-throughput tracking of bacterial motility in 3D via phase-contrast holographic video microscopy. *Biophysical Journal*, **2015**, 108, 1248-56	2.9	20
69	The shallow turn of a worm. *Journal of Experimental Biology*, **2011**, 214, 1554-9	3	20
68	Lactobacillus acidophilus reduces expression of enterohemorrhagic Escherichia coli O157:H7 virulence factors by inhibiting autoinducer-2-like activity. *Food Control*, **2008**, 19, 1042-1050	6.2	20
67	Characterization of curli A production on living bacterial surfaces by scanning probe microscopy. *Biophysical Journal*, **2012**, 103, 1666-71	2.9	19
66	Effect of bacteriocin produced by Lactococcus sp. HY 449 on skin-inflammatory bacteria. *Food and Chemical Toxicology*, **2006**, 44, 552-9	4.7	19

65	AFM probing the mechanism of synergistic effects of the green tea polyphenol (-)-epigallocatechin-3-gallate (EGCG) with cefotaxime against extended-spectrum beta-lactamase (ESBL)-producing Escherichia coli. *PLoS ONE*, **2012**, 7, e48880	3.7	18
64	Control of rapsyn stability by the CUL-3-containing E3 ligase complex. *Journal of Biological Chemistry*, **2009**, 284, 8195-206	5.4	18
63	Superporous agarose beads as a solid support for microfluidic immunoassay. *Ultramicroscopy*, **2008**, 108, 1384-9	3.1	18
62	Polycarbonate bonding assisted by surface chemical modification without plasma treatment and its application for the construction of plastic-based cell arrays. *Sensors and Actuators A: Physical*, **2014**, 206, 57-66	3.9	17
61	The extracellular domain of syndecan-2 regulates the interaction of HCT116 human colon carcinoma cells with fibronectin. *Biochemical and Biophysical Research Communications*, **2013**, 431, 415-20	2.4	17
60	Environmental factors that affect Streptococcus mutans biofilm formation in a microfluidic device mimicking teeth. *Biochip Journal*, **2010**, 4, 257-263	4	17
59	Detection of Bacillus Cereus Using Bioluminescence Assay with Cell Wall-binding Domain Conjugated Magnetic Nanoparticles. *Biochip Journal*, **2018**, 12, 287-293	4	17
58	N-Methyl-D-aspartate receptor-mediated chemotaxis and Ca(2+) signaling in Tetrahymena pyriformis. *Protist*, **2009**, 160, 331-42	2.5	16
57	Inhibitory effects of Lactobacillus acidophilus lysates on the cytotoxic activity of shiga-like toxin 2 produced from Escherichia coli O157:H7. *Letters in Applied Microbiology*, **2006**, 43, 502-7	2.9	16
56	Fast and Easy Disinfection of Coronavirus-Contaminated Face Masks Using Ozone Gas Produced by a Dielectric Barrier Discharge Plasma Generator. *Environmental Science and Technology Letters*, **2021**, 8, 339-344	11	16
55	Integrated Microfluidic Preconcentration and Nucleic Amplification System for Detection of Influenza A Virus H1N1 in Saliva. *Micromachines*, **2020**, 11,	3.3	15
54	Signal enhancement in ATP bioluminescence to detect bacterial pathogens via heat treatment. *Biochip Journal*, **2017**, 11, 287-293	4	15
53	Microfluidic preparation of dual stimuli-responsive microparticles and light-directed clustering. *Langmuir*, **2010**, 26, 17975-80	4	15
52	Microfluidic Detection of Multiple Heavy Metal Ions Using Fluorescent Chemosensors. *Bulletin of the Korean Chemical Society*, **2009**, 30, 1173-1176	1.2	15
51	Three-Dimensional Paper-Based Microfluidic Analysis Device for Simultaneous Detection of Multiple Biomarkers with a Smartphone. *Biosensors*, **2020**, 10,	5.9	15
50	Silica-Coated Magnetic Nanoparticles Decrease Human Bone Marrow-Derived Mesenchymal Stem Cell Migratory Activity by Reducing Membrane Fluidity and Impairing Focal Adhesion. *Nanomaterials*, **2019**, 9,	5.4	14
49	An Electromagnetically Actuated Double-Sided Cell-Stretching Device for Mechanobiology Research. *Micromachines*, **2017**, 8,	3.3	13
48	Fast and easy disinfection of coronavirus-contaminated face masks using ozone gas produced by a dielectric barrier discharge plasma generator		13

47	A 3D-Printed Millifluidic Platform Enabling Bacterial Preconcentration and DNA Purification for Molecular Detection of Pathogens in Blood. *Micromachines*, **2018**, 9,	3.3	13
46	Recent Advances in 3D Bioprinted Tumor Microenvironment. *Biochip Journal*, **2020**, 14, 137-147	4	12
45	Colorimetric Detection of Thiophenol Based on a Phenolphthalein Derivative and Its Application as a Molecular Logic Gate. *ChemPhysChem*, **2017**, 18, 1752-1754	3.2	11
44	Inhibitory Effect of Epigallocatechin Gallate on the Virulence of Clostridium difficile PCR Ribotype 027. *Journal of Food Science*, **2015**, 80, M2925-31	3.4	11
43	Shear stress tolerance of Streptococcus mutans aggregates determined by microfluidic funnel device (FFD). *Journal of Microbiological Methods*, **2013**, 93, 85-9	2.8	11
42	YkgM and ZinT proteins are required for maintaining intracellular zinc concentration and producing curli in enterohemorrhagic Escherichia coli (EHEC) O157:H7 under zinc deficient conditions. *International Journal of Food Microbiology*, **2011**, 149, 159-70	5.8	11
41	Rapid identification of Lactobacillus acidophilus by restriction analysis of the 16S-23S rRNA intergenic spacer region and flanking 23S rRNA gene. *Biotechnology Letters*, **2005**, 27, 1183-8	3	11
40	Effect of silica-coated magnetic nanoparticles on rigidity sensing of human embryonic kidney cells. *Journal of Nanobiotechnology*, **2020**, 18, 170	9.4	11
39	An electromagnetic cell-stretching device for mechanotransduction studies of olfactory ensheathing cells. *Biomedical Microdevices*, **2016**, 18, 45	3.7	11
38	Formation of size-controllable tumour spheroids using a microfluidic pillar array (FPA) device. *Analyst, The*, **2018**, 143, 5841-5848	5	11
37	Expression of recombinant anti-breast cancer immunotherapeutic monoclonal antibody in baculovirusInsect cell system. *Entomological Research*, **2014**, 44, 207-214	1.3	10
36	Recapitulation of cancer stem cell niches in glioblastoma on 3D microfluidic cell culture devices under gravity-driven perfusion. *Journal of Industrial and Engineering Chemistry*, **2018**, 62, 352-361	6.3	9
35	Decrease in membrane fluidity and traction force induced by silica-coated magnetic nanoparticles. *Journal of Nanobiotechnology*, **2021**, 19, 21	9.4	9
34	Effect of cyclic stretching on cell shape and division. *Biochip Journal*, **2015**, 9, 306-312	4	7
33	Dielectrophoresis in a slanted microchannel for separation of microparticles and bacteria. *Journal of Nanoscience and Nanotechnology*, **2013**, 13, 7993-7	1.3	7
32	Investigation of bacterial chemotaxis using a simple three-point microfluidic system. *Biochip Journal*, **2015**, 9, 50-58	4	6
31	3D-Printed Modular Microfluidic Device Enabling Preconcentrating Bacteria and Purifying Bacterial DNA in Blood for Improving the Sensitivity of Molecular Diagnostics. *Sensors*, **2020**, 20,	3.8	6
30	Immunoliposomes Sandwich Fluorometric Assay (ILSF) for Detection of Escherichia coli O157:H7. *Journal of Food Science*, **2006**, 69, M151-M156	3.4	6

29	Quorum sensing is crucial to Escherichia coli O157:H7 biofilm formation under static or very slow laminar flow conditions. *Biochip Journal*, **2016**, 10, 241-249	4	6
28	Analysis of Nanotoxicity with Integrated Omics and Mechanobiology. *Nanomaterials*, **2021**, 11,	5.4	6
27	Inhibitory effects of green tea polyphenol epigallocatechin gallate (EGCG) on exopolysaccharide production by Streptococcus mutans under microfluidic conditions. *Biochip Journal*, **2014**, 8, 179-186	4	5
26	Escherichia coli O157:H7 LPS O-side chains and pO157 are required for killing Caenorhabditis elegans. *Biochemical and Biophysical Research Communications*, **2013**, 436, 388-93	3.4	5
25	Quantitative measurement of dynamic flow induced by Tetrahymena pyriformis (T. pyriformis) using micro-particle image velocimetry. *Journal of Visualization*, **2011**, 14, 361-370	1.6	5
24	Studying the effect of alginate overproduction on Pseudomonas aeruginosa biofilm by atomic force microscopy. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 5676-81	1.3	5
23	Bionanoelectronic platform with a lipid bilayer/CVD-grown MoS hybrid. *Biosensors and Bioelectronics*, **2019**, 142, 111512	11.8	4
22	C. elegans sensing of and entrainment along obstacles require different neurons at different body locations. *Scientific Reports*, **2013**, 3, 3247	4.9	4
21	Protein kinase Calpha can undergo membrane localization via an alternative phosphatidylinositol 4,5-bisphosphate-dependent pathway. *Archives of Biochemistry and Biophysics*, **2006**, 454, 1-6	4.1	4
20	A Microbore Tubing Based Spiral for Multistep Cell Fractionation. *Analytical Chemistry*, **2018**, 90, 12909-12916	7.8	4
19	Enhanced Luminescent Detection of Circulating Tumor Cells by a 3D Printed Immunomagnetic Concentrator. *Biosensors*, **2021**, 11,	5.9	4
18	Nanomechanical Measurement of Bacterial Adhesion Force Using Soft Nanopillars. *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 7966-7970	1.3	3
17	A Golgi Apparatus-Targeting, Naphthalimide-Based Fluorescent Molecular Probe for the Selective Sensing of Formaldehyde. *Molecules*, **2021**, 26,	4.8	3
16	Development of bufferless gel electrophoresis chip for easy preparation and rapid DNA separation. *Electrophoresis*, **2018**, 39, 456-461	3.6	2
15	Modified immunoliposome sandwich assay for the detection of Escherichia coli O157:H7 in apple cider. *Journal of Food Protection*, **2004**, 67, 1568-73	2.5	2
14	3D hanging spheroid plate for high-throughput CAR T cell cytotoxicity assay.. *Journal of Nanobiotechnology*, **2022**, 20, 30	9.4	2
13	Scratch to sensitize: scratch-induced sensitivity enhancement in semiconductor thin-film sensors. *Nanoscale*, **2019**, 11, 15374-15381	7.7	1
12	Enhanced activities of reproductive system in male rat treated with male silkworm pupae extract. *Entomological Research*, **2013**, 43, 101-107	1.3	1

11	Inducible Prmt1 ablation in adult vascular smooth muscle leads to contractile dysfunction and aortic dissection. *Experimental and Molecular Medicine*, **2021**, 53, 1569-1579	12.8	1
10	Mass Spectrometric Determination of Zn2+ Binding/Dissociation Constant for Zinc Finger Peptides. *Mass Spectrometry Letters*, **2015**, 6, 7-12		1
9	Palladium Probe Consisting of Naphthalimide and Ethylenediamine for Selective Turn-On Sensing of CO and Cell Imaging. *Inorganic Chemistry*, **2021**, 60, 7108-7114	5.1	1
8	Enhanced Sensing Behavior of Three-Dimensional Microfluidic Paper-Based Analytical Devices (3D-PADs) with Evaporation-Free Enclosed Channels for Point-of-Care Testing. *Diagnostics*, **2021**, 11,	3.8	1
7	Uniaxial stretching device for studying maturity-dependent morphological response of epithelial cell monolayers to tensile strain. *Journal of Industrial and Engineering Chemistry*, **2021**, 99, 282-291	6.3	1
6	Probing mechanobiological role of filamin A in migration and invasion of human U87 glioblastoma cells using submicron soft pillars. *Nano Convergence*, **2021**, 8, 19	9.2	1
5	Pillar-Based Mechanical Induction of an Aggressive Tumorigenic Lung Cancer Cell Model.. *ACS Applied Materials & Interfaces*, **2021**,	9.5	1
4	Development of a Pumpless Microfluidic System to Study the Interaction between Gut Microbes and Intestinal Epithelial Cells. *Biotechnology and Bioprocess Engineering*, **2022**, 27, 221-233	3.1	0
3	Astral microtubules determine the final division axis of cells confined on anisotropic surface topography. *Journal of Experimental Nanoscience*, **2020**, 15, 70-86	1.9	
2	Differential detachment of intact and viable cells of different sizes using laser-induced microbubbles. *Biomedical Optics Express*, **2019**, 10, 4919-4930	3.5	
1	Elucidating molecular mechanisms of acquired resistance to BRAF inhibitors in melanoma using a microfluidic device and deep sequencing. *Genomics and Informatics*, **2021**, 19, e2	1.9	