

Sungsu Park

List of Publications by Year in Descending Order

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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.

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	3D hanging spheroid plate for high-throughput CAR T cell cytotoxicity assay.. <i>Journal of Nanobiotechnology</i> , 2022 , 20, 30	9.4	2
135	Development of a Pumpless Microfluidic System to Study the Interaction between Gut Microbes and Intestinal Epithelial Cells. <i>Biotechnology and Bioprocess Engineering</i> , 2022 , 27, 221-233	3.1	0
134	Inducible Prmt1 ablation in adult vascular smooth muscle leads to contractile dysfunction and aortic dissection. <i>Experimental and Molecular Medicine</i> , 2021 , 53, 1569-1579	12.8	1
133	Palladium Probe Consisting of Naphthalimide and Ethylenediamine for Selective Turn-On Sensing of CO and Cell Imaging. <i>Inorganic Chemistry</i> , 2021 , 60, 7108-7114	5.1	1
132	Enhanced Sensing Behavior of Three-Dimensional Microfluidic Paper-Based Analytical Devices (3D-PADs) with Evaporation-Free Enclosed Channels for Point-of-Care Testing. <i>Diagnostics</i> , 2021 , 11,	3.8	1
131	Decrease in membrane fluidity and traction force induced by silica-coated magnetic nanoparticles. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 21	9.4	9
130	Fast and Easy Disinfection of Coronavirus-Contaminated Face Masks Using Ozone Gas Produced by a Dielectric Barrier Discharge Plasma Generator. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 339-344	11	16
129	Elucidating molecular mechanisms of acquired resistance to BRAF inhibitors in melanoma using a microfluidic device and deep sequencing. <i>Genomics and Informatics</i> , 2021 , 19, e2	1.9	
128	Uniaxial stretching device for studying maturity-dependent morphological response of epithelial cell monolayers to tensile strain. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 99, 282-291	6.3	1
127	Probing mechanobiological role of filamin A in migration and invasion of human U87 glioblastoma cells using submicron soft pillars. <i>Nano Convergence</i> , 2021 , 8, 19	9.2	1
126	A Golgi Apparatus-Targeting, Naphthalimide-Based Fluorescent Molecular Probe for the Selective Sensing of Formaldehyde. <i>Molecules</i> , 2021 , 26,	4.8	3
125	Enhanced Luminescent Detection of Circulating Tumor Cells by a 3D Printed Immunomagnetic Concentrator. <i>Biosensors</i> , 2021 , 11,	5.9	4
124	Analysis of Nanotoxicity with Integrated Omics and Mechanobiology. <i>Nanomaterials</i> , 2021 , 11,	5.4	6
123	Pillar-Based Mechanical Induction of an Aggressive Tumorigenic Lung Cancer Cell Model.. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	1
122	Recent Advances in 3D Bioprinted Tumor Microenvironment. <i>Biochip Journal</i> , 2020 , 14, 137-147	4	12
121	3D-Printed Modular Microfluidic Device Enabling Preconcentrating Bacteria and Purifying Bacterial DNA in Blood for Improving the Sensitivity of Molecular Diagnostics. <i>Sensors</i> , 2020 , 20,	3.8	6
120	Astral microtubules determine the final division axis of cells confined on anisotropic surface topography. <i>Journal of Experimental Nanoscience</i> , 2020 , 15, 70-86	1.9	

119	Integrated Microfluidic Preconcentration and Nucleic Amplification System for Detection of Influenza A Virus H1N1 in Saliva. <i>Micromachines</i> , 2020 , 11,	3.3	15
118	3D Bioprinted Vascularized Tumour for Drug Testing. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	26
117	Effect of silica-coated magnetic nanoparticles on rigidity sensing of human embryonic kidney cells. <i>Journal of Nanobiotechnology</i> , 2020 , 18, 170	9.4	11
116	Three-Dimensional Paper-Based Microfluidic Analysis Device for Simultaneous Detection of Multiple Biomarkers with a Smartphone. <i>Biosensors</i> , 2020 , 10,	5.9	15
115	Three-Dimensional Paper-Based Microfluidic Analytical Devices Integrated with a Plasma Separation Membrane for the Detection of Biomarkers in Whole Blood. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36428-36434	9.5	32
114	Bionanoelectronic platform with a lipid bilayer/CVD-grown MoS hybrid. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111512	11.8	4
113	Scratch to sensitize: scratch-induced sensitivity enhancement in semiconductor thin-film sensors. <i>Nanoscale</i> , 2019 , 11, 15374-15381	7.7	1
112	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. <i>Journal of Oncology</i> , 2019 , 2019, 1345026	4.5	20
111	Silica-Coated Magnetic Nanoparticles Decrease Human Bone Marrow-Derived Mesenchymal Stem Cell Migratory Activity by Reducing Membrane Fluidity and Impairing Focal Adhesion. <i>Nanomaterials</i> , 2019 , 9,	5.4	14
110	Differential detachment of intact and viable cells of different sizes using laser-induced microbubbles. <i>Biomedical Optics Express</i> , 2019 , 10, 4919-4930	3.5	
109	Double-sided electrohydrodynamic jet printing of two-dimensional electrode array in paper-based digital microfluidics. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 831-837	8.5	23
108	Recapitulation of cancer stem cell niches in glioblastoma on 3D microfluidic cell culture devices under gravity-driven perfusion. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 62, 352-361	6.3	9
107	Development of bufferless gel electrophoresis chip for easy preparation and rapid DNA separation. <i>Electrophoresis</i> , 2018 , 39, 456-461	3.6	2
106	Double-sided 3D printing on paper towards mass production of three-dimensional paper-based microfluidic analytical devices (3D-PADs). <i>Lab on A Chip</i> , 2018 , 18, 1533-1538	7.2	31
105	Development of wrinkled skin-on-a-chip (WSOC) by cyclic uniaxial stretching. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 68, 238-245	6.3	20
104	Formation of size-controllable tumour spheroids using a microfluidic pillar array (EPA) device. <i>Analyst, The</i> , 2018 , 143, 5841-5848	5	11
103	Detection of Bacillus Cereus Using Bioluminescence Assay with Cell Wall-binding Domain Conjugated Magnetic Nanoparticles. <i>Biochip Journal</i> , 2018 , 12, 287-293	4	17
102	A 3D-Printed Millifluidic Platform Enabling Bacterial Preconcentration and DNA Purification for Molecular Detection of Pathogens in Blood. <i>Micromachines</i> , 2018 , 9,	3.3	13

101	A Microfluidic Spheroid Culture Device with a Concentration Gradient Generator for High-Throughput Screening of Drug Efficacy. <i>Molecules</i> , 2018 , 23,	4.8	39
100	A Microbore Tubing Based Spiral for Multistep Cell Fractionation. <i>Analytical Chemistry</i> , 2018 , 90, 12909-12916	4.2	4
99	Endocrine system on chip for a diabetes treatment model. <i>Biofabrication</i> , 2017 , 9, 015021	10.5	25
98	Colorimetric Detection of Thiophenol Based on a Phenolphthalein Derivative and Its Application as a Molecular Logic Gate. <i>ChemPhysChem</i> , 2017 , 18, 1752-1754	3.2	11
97	Microfluidic gut-on-a-chip with three-dimensional villi structure. <i>Biomedical Microdevices</i> , 2017 , 19, 37	3.7	110
96	3D-printed microfluidic magnetic preconcentrator for the detection of bacterial pathogen using an ATP luminometer and antibody-conjugated magnetic nanoparticles. <i>Journal of Microbiological Methods</i> , 2017 , 132, 128-133	2.8	36
95	Nanomechanical Measurement of Bacterial Adhesion Force Using Soft Nanopillars. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 7966-7970	1.3	3
94	An Electromagnetically Actuated Double-Sided Cell-Stretching Device for Mechanobiology Research. <i>Micromachines</i> , 2017 , 8,	3.3	13
93	Three-dimensional in vitro gut model on a villi-shaped collagen scaffold. <i>Biochip Journal</i> , 2017 , 11, 219-231	4.1	27
92	Signal enhancement in ATP bioluminescence to detect bacterial pathogens via heat treatment. <i>Biochip Journal</i> , 2017 , 11, 287-293	4	15
91	Rapid emergence and mechanisms of resistance by U87 glioblastoma cells to doxorubicin in an in vitro tumor microfluidic ecology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 14283-14288	11.5	45
90	Cell stretching devices as research tools: engineering and biological considerations. <i>Lab on A Chip</i> , 2016 , 16, 3193-203	7.2	59
89	Curli mediate bacterial adhesion to fibronectin via tensile multiple bonds. <i>Scientific Reports</i> , 2016 , 6, 33909	4.9	41
88	Contribution of actin filaments and microtubules to cell elongation and alignment depends on the grating depth of microgratings. <i>Journal of Nanobiotechnology</i> , 2016 , 14, 35	9.4	24
87	Sensing and antibacterial activity of imidazolium-based conjugated polydiacetylenes. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 1016-9	11.8	43
86	An integrated microfluidic PCR system with immunomagnetic nanoparticles for the detection of bacterial pathogens. <i>Biomedical Microdevices</i> , 2016 , 18, 116	3.7	24
85	An electromagnetic cell-stretching device for mechanotransduction studies of olfactory ensheathing cells. <i>Biomedical Microdevices</i> , 2016 , 18, 45	3.7	11
84	Quorum sensing is crucial to Escherichia coli O157:H7 biofilm formation under static or very slow laminar flow conditions. <i>Biochip Journal</i> , 2016 , 10, 241-249	4	6

83	Investigation of bacterial chemotaxis using a simple three-point microfluidic system. <i>Biochip Journal</i> , 2015 , 9, 50-58	4	6
82	Cyclic stretching of soft substrates induces spreading and growth. <i>Nature Communications</i> , 2015 , 6, 6333	17.4	184
81	A microfluidic cell culture device (ECDD) to culture epithelial cells with physiological and morphological properties that mimic those of the human intestine. <i>Biomedical Microdevices</i> , 2015 , 17, 9966	3.7	48
80	Inhibitory Effect of Epigallocatechin Gallate on the Virulence of Clostridium difficile PCR Ribotype 027. <i>Journal of Food Science</i> , 2015 , 80, M2925-31	3.4	11
79	Rapid, high-throughput tracking of bacterial motility in 3D via phase-contrast holographic video microscopy. <i>Biophysical Journal</i> , 2015 , 108, 1248-56	2.9	20
78	Effect of cyclic stretching on cell shape and division. <i>Biochip Journal</i> , 2015 , 9, 306-312	4	7
77	Mass Spectrometric Determination of Zn ²⁺ Binding/Dissociation Constant for Zinc Finger Peptides. <i>Mass Spectrometry Letters</i> , 2015 , 6, 7-12		1
76	Strongly-Coupled Freestanding Hybrid Films of Graphene and Layered Titanate Nanosheets: An Effective Way to Tailor the Physicochemical and Antibacterial Properties of Graphene Film. <i>Advanced Functional Materials</i> , 2014 , 24, 2288-2294	15.6	85
75	Polycarbonate bonding assisted by surface chemical modification without plasma treatment and its application for the construction of plastic-based cell arrays. <i>Sensors and Actuators A: Physical</i> , 2014 , 206, 57-66	3.9	17
74	Inhibitory effects of green tea polyphenol epigallocatechin gallate (EGCG) on exopolysaccharide production by Streptococcus mutans under microfluidic conditions. <i>Biochip Journal</i> , 2014 , 8, 179-186	4	5
73	Three-dimensional intestinal villi epithelium enhances protection of human intestinal cells from bacterial infection by inducing mucin expression. <i>Integrative Biology (United Kingdom)</i> , 2014 , 6, 1122-31	3.7	67
72	Anisotropic rigidity sensing on grating topography directs human mesenchymal stem cell elongation. <i>Biomechanics and Modeling in Mechanobiology</i> , 2014 , 13, 27-39	3.8	34
71	Expression of recombinant anti-breast cancer immunotherapeutic monoclonal antibody in baculovirus-insect cell system. <i>Entomological Research</i> , 2014 , 44, 207-214	1.3	10
70	Escherichia coli O157:H7 LPS O-side chains and pO157 are required for killing Caenorhabditis elegans. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 436, 388-93	3.4	5
69	The extracellular domain of syndecan-2 regulates the interaction of HCT116 human colon carcinoma cells with fibronectin. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 431, 415-20	2.4	17
68	Solvent-dependent selective fluorescence assay of aluminum and gallium ions using julolidine-based probe. <i>Dyes and Pigments</i> , 2013 , 99, 1016-1021	4.6	77
67	Shear stress tolerance of Streptococcus mutans aggregates determined by microfluidic funnel device (BFD). <i>Journal of Microbiological Methods</i> , 2013 , 93, 85-9	2.8	11
66	Enhanced activities of reproductive system in male rat treated with male silkworm pupae extract. <i>Entomological Research</i> , 2013 , 43, 101-107	1.3	1

65	Dielectrophoresis in a slanted microchannel for separation of microparticles and bacteria. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 7993-7	1.3	7
64	C. elegans sensing of and entrainment along obstacles require different neurons at different body locations. <i>Scientific Reports</i> , 2013 , 3, 3247	4.9	4
63	A new rhodamine derivative bearing benzothiazole and thiocarbonyl moieties as a highly selective fluorescent and colorimetric chemodosimeter for Hg ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2012 , 161, 948-953	8.5	88
62	Comparison of mesenchymal stem cells derived from fat, bone marrow, Wharton's jelly, and umbilical cord blood for treating spinal cord injuries in dogs. <i>Journal of Veterinary Medical Science</i> , 2012 , 74, 1617-30	1.1	93
61	Analysis of changes in gene expression and metabolic profiles induced by silica-coated magnetic nanoparticles. <i>ACS Nano</i> , 2012 , 6, 7665-80	16.7	63
60	Conjugated polydiacetylenes bearing quaternary ammonium groups as a dual colorimetric and fluorescent sensor for ATP. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3795		44
59	Salicylimine-based fluorescent chemosensor for aluminum ions and application to bioimaging. <i>Inorganic Chemistry</i> , 2012 , 51, 3597-602	5.1	306
58	Characterization of curli A production on living bacterial surfaces by scanning probe microscopy. <i>Biophysical Journal</i> , 2012 , 103, 1666-71	2.9	19
57	A highly selective ratiometric near-infrared fluorescent cyanine sensor for cysteine with remarkable shift and its application in bioimaging. <i>Chemical Science</i> , 2012 , 3, 2760	9.4	389
56	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 <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2012 , 7, e48880	3.7	18
55	AFM study of the differential inhibitory effects of the green tea polyphenol (-)-epigallocatechin-3-gallate (EGCG) against Gram-positive and Gram-negative bacteria. <i>Food Microbiology</i> , 2012 , 29, 80-7	6	123
54	Rhodamine hydrazone derivatives as Hg ²⁺ selective fluorescent and colorimetric chemosensors and their applications to bioimaging and microfluidic system. <i>Analyst</i> , 2011 , 136, 1339-43	5	115
53	Inhibitory effects of broccoli extract on <i>Escherichia coli</i> O157:H7 quorum sensing and in vivo virulence. <i>FEMS Microbiology Letters</i> , 2011 , 321, 67-74	2.9	40
52	YkgM and ZinT proteins are required for maintaining intracellular zinc concentration and producing curli in enterohemorrhagic <i>Escherichia coli</i> (EHEC) O157:H7 under zinc deficient conditions. <i>International Journal of Food Microbiology</i> , 2011 , 149, 159-70	5.8	11
51	Quantitative measurement of dynamic flow induced by <i>Tetrahymena pyriformis</i> (T. pyriformis) using micro-particle image velocimetry. <i>Journal of Visualization</i> , 2011 , 14, 361-370	1.6	5
50	Microfluidic synthesis of Janus particles by UV-directed phase separation. <i>Chemical Communications</i> , 2011 , 47, 2634-6	5.8	62
49	Simple fabrication of hydrophilic nanochannels using the chemical bonding between activated ultrathin PDMS layer and cover glass by oxygen plasma. <i>Lab on A Chip</i> , 2011 , 11, 348-53	7.2	36
48	Studying the effect of alginate overproduction on <i>Pseudomonas aeruginosa</i> biofilm by atomic force microscopy. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 5676-81	1.3	5

47	The shallow turn of a worm. <i>Journal of Experimental Biology</i> , 2011 , 214, 1554-9	3	20
46	Nictation, a dispersal behavior of the nematode <i>Caenorhabditis elegans</i> , is regulated by IL2 neurons. <i>Nature Neuroscience</i> , 2011 , 15, 107-12	25.5	101
45	In vivo fluorescence imaging of bacteriogenic cyanide in the lungs of live mice infected with cystic fibrosis pathogens. <i>PLoS ONE</i> , 2011 , 6, e21387	3.7	30
44	A near-infrared fluorescent sensor for detection of cyanide in aqueous solution and its application for bioimaging. <i>Chemical Communications</i> , 2010 , 46, 8953-5	5.8	277
43	Microfluidic preparation of dual stimuli-responsive microparticles and light-directed clustering. <i>Langmuir</i> , 2010 , 26, 17975-80	4	15
42	Environmental factors that affect <i>Streptococcus mutans</i> biofilm formation in a microfluidic device mimicking teeth. <i>Biochip Journal</i> , 2010 , 4, 257-263	4	17
41	Antipathogenic properties of green tea polyphenol epigallocatechin gallate at concentrations below the MIC against enterohemorrhagic <i>Escherichia coli</i> O157:H7. <i>Journal of Food Protection</i> , 2009 , 72, 325-31	2.5	63
40	Control of rapsyn stability by the CUL-3-containing E3 ligase complex. <i>Journal of Biological Chemistry</i> , 2009 , 284, 8195-206	5.4	18
39	N-Methyl-D-aspartate receptor-mediated chemotaxis and Ca(2+) signaling in <i>Tetrahymena pyriformis</i> . <i>Protist</i> , 2009 , 160, 331-42	2.5	16
38	Interactive transcriptome analysis of enterohemorrhagic <i>Escherichia coli</i> (EHEC) O157:H7 and intestinal epithelial HT-29 cells after bacterial attachment. <i>International Journal of Food Microbiology</i> , 2009 , 131, 224-32	5.8	34
37	New fluorescent and colorimetric chemosensors bearing rhodamine and binaphthyl groups for the detection of Cu ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2009 , 137, 597-602	8.5	148
36	Unique sandwich stacking of pyrene-adenine-pyrene for selective and ratiometric fluorescent sensing of ATP at physiological pH. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15528-33	16.4	514
35	A highly selective cyanide sensing in water via fluorescence change and its application to in vivo imaging. <i>Chemical Communications</i> , 2009 , 2866-8	5.8	217
34	Microfluidic Detection of Multiple Heavy Metal Ions Using Fluorescent Chemosensors. <i>Bulletin of the Korean Chemical Society</i> , 2009 , 30, 1173-1176	1.2	15
33	Hg ²⁺ selective fluorescent and colorimetric sensor: its crystal structure and application to bioimaging. <i>Organic Letters</i> , 2008 , 10, 5235-8	6.2	280
32	<i>Lactobacillus acidophilus</i> reduces expression of enterohemorrhagic <i>Escherichia coli</i> O157:H7 virulence factors by inhibiting autoinducer-2-like activity. <i>Food Control</i> , 2008 , 19, 1042-1050	6.2	20
31	Funnel ratchets in biology at low Reynolds number: choanotaxis. <i>Journal of Modern Optics</i> , 2008 , 55, 3413-3422	1.1	31
30	Programmable manipulation of motile cells in optoelectronic tweezers using a grayscale image. <i>Applied Physics Letters</i> , 2008 , 93, 143901	3.4	38

29	A gel-free 3D microfluidic cell culture system. <i>Biomaterials</i> , 2008 , 29, 3237-44	15.6	138
28	Fluorescent molecular logic gates using microfluidic devices. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 872-6	16.4	162
27	Fluorescent Molecular Logic Gates Using Microfluidic Devices. <i>Angewandte Chemie</i> , 2008 , 120, 886-890	3.6	47
26	Superporous agarose beads as a solid support for microfluidic immunoassay. <i>Ultramicroscopy</i> , 2008 , 108, 1384-9	3.1	18
25	New acridine derivatives bearing immobilized azacrown or azathiacrown ligand as fluorescent chemosensors for Hg ²⁺ and Cd ²⁺ . <i>Tetrahedron Letters</i> , 2008 , 49, 1261-1265	2	54
24	Sensing cyanide ion via fluorescent change and its application to the microfluidic system. <i>Tetrahedron Letters</i> , 2008 , 49, 4102-4105	2	106
23	The role of disulfide bond isomerase A (DsbA) of Escherichia coli O157:H7 in biofilm formation and virulence. <i>FEMS Microbiology Letters</i> , 2008 , 278, 213-22	2.9	30
22	Enhanced Caenorhabditis elegans locomotion in a structured microfluidic environment. <i>PLoS ONE</i> , 2008 , 3, e2550	3.7	108
21	A biological sensor platform using a pneumatic-valve controlled microfluidic device containing Tetrahymena pyriformis. <i>Lab on A Chip</i> , 2007 , 7, 638-40	7.2	22
20	Proteome analysis of virulence factor regulated by autoinducer-2-like activity in Escherichia coli O157:H7. <i>Journal of Food Protection</i> , 2007 , 70, 300-7	2.5	24
19	Simple Route to Hydrophilic Microfluidic Chip Fabrication Using an Ultraviolet (UV)-Cured Polymer. <i>Advanced Functional Materials</i> , 2007 , 17, 3493-3498	15.6	60
18	Bacterial metapopulations in nanofabricated landscapes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 17290-5	11.5	132
17	Multilayer transfer printing on microreservoir-patterned substrate employing hydrophilic composite mold for selective immobilization of biomolecules. <i>Langmuir</i> , 2006 , 22, 7689-94	4	24
16	Protein kinase Calpha can undergo membrane localization via an alternative phosphatidylinositol 4,5-bisphosphate-dependent pathway. <i>Archives of Biochemistry and Biophysics</i> , 2006 , 454, 1-6	4.1	4
15	Effect of bacteriocin produced by Lactococcus sp. HY 449 on skin-inflammatory bacteria. <i>Food and Chemical Toxicology</i> , 2006 , 44, 1184-90	4.7	31
14	Effect of bacteriocin produced by Lactococcus sp. HY 449 on skin-inflammatory bacteria. <i>Food and Chemical Toxicology</i> , 2006 , 44, 552-9	4.7	19
13	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. <i>Proteomics</i> , 2006 , 6, 6181-93	4.8	63
12	Inhibitory effects of Lactobacillus acidophilus lysates on the cytotoxic activity of shiga-like toxin 2 produced from Escherichia coli O157:H7. <i>Letters in Applied Microbiology</i> , 2006 , 43, 502-7	2.9	16

11	Immunoliposomes Sandwich Fluorometric Assay (ILSF) for Detection of Escherichia coli O157:H7. <i>Journal of Food Science</i> , 2006 , 69, M151-M156	3.4	6
10	A fluorescein derivative for nanomolar aqueous copper and monitoring copper ion uptake by transferrin and amyloid precursor protein. <i>Tetrahedron Letters</i> , 2006 , 47, 1051-1054	2	24
9	Nanofeature-Patterned Polymer Mold Fabrication toward Precisely Defined Nanostructure Replication. <i>Chemistry of Materials</i> , 2005 , 17, 5867-5870	9.6	49
8	Rapid identification of Lactobacillus acidophilus by restriction analysis of the 16S-23S rRNA intergenic spacer region and flanking 23S rRNA gene. <i>Biotechnology Letters</i> , 2005 , 27, 1183-8	3	11
7	Modified immunoliposome sandwich assay for the detection of Escherichia coli O157:H7 in apple cider. <i>Journal of Food Protection</i> , 2004 , 67, 1568-73	2.5	2
6	Influence of topology on bacterial social interaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 13910-5	11.5	143
5	Motion to form a quorum. <i>Science</i> , 2003 , 301, 188	33.3	114
4	Escherichia coli O157:H7 as an emerging foodborne pathogen: a literature review. <i>Critical Reviews in Biotechnology</i> , 2001 , 21, 27-48	9.4	25
3	Immunoliposome sandwich assay for the detection of Escherichia coli O157:H7. <i>Analytical Biochemistry</i> , 2000 , 280, 151-8	3.1	39
2	Escherichia coli O157:H7 as an emerging foodborne pathogen: a literature review. <i>Critical Reviews in Food Science and Nutrition</i> , 1999 , 39, 481-502	11.5	68
1	Fast and easy disinfection of coronavirus-contaminated face masks using ozone gas produced by a dielectric barrier discharge plasma generator		13