

# Young Shik Shin

## List of Publications by Year in descending order

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21  
papers

2,046  
citations

471509

17  
h-index

713466

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

2876  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Real-Time Measurements of DNA Hybridization with Alkylated Nonoxidized Silicon Nanowires in Electrolyte Solution. <i>Journal of the American Chemical Society</i> , 2006, 128, 16323-16331.	13.7	469
2	PDMS-based micro PCR chip with Parylene coating. <i>Journal of Micromechanics and Microengineering</i> , 2003, 13, 768-774.	2.6	356
3	Single-cell proteomic chip for profiling intracellular signaling pathways in single tumor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 419-424.	7.1	300
4	Single-Cell Phosphoproteomics Resolves Adaptive Signaling Dynamics and Informs Targeted Combination Therapy in Glioblastoma. <i>Cancer Cell</i> , 2016, 29, 563-573.	16.8	140
5	Chemical Methods for the Simultaneous Quantitation of Metabolites and Proteins from Single Cells. <i>Journal of the American Chemical Society</i> , 2015, 137, 4066-4069.	13.7	87
6	Quantitating Cell-Cell Interaction Functions with Applications to Glioblastoma Multiforme Cancer Cells. <i>Nano Letters</i> , 2012, 12, 6101-6106.	9.1	78
7	Microfluidics-Based Single-Cell Functional Proteomics for Fundamental and Applied Biomedical Applications. <i>Annual Review of Analytical Chemistry</i> , 2014, 7, 275-295.	5.4	65
8	A multi-channel electroporation microchip for gene transfection in mammalian cells. <i>Biosensors and Bioelectronics</i> , 2007, 22, 3273-3277.	10.1	64
9	Applications, techniques, and microfluidic interfacing for nanoscale biosensing. <i>Microfluidics and Nanofluidics</i> , 2009, 7, 149-167.	2.2	64
10	Hypoxia induces a phase transition within a kinase signaling network in cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1352-60.	7.1	61
11	Protein Signaling Networks from Single Cell Fluctuations and Information Theory Profiling. <i>Biophysical Journal</i> , 2011, 100, 2378-2386.	0.5	55
12	Electrotransfection of Mammalian Cells Using Microchannel-Type Electroporation Chip. <i>Analytical Chemistry</i> , 2004, 76, 7045-7052.	6.5	53
13	Interfacial Reactions of Ozone with Surfactant Protein B in a Model Lung Surfactant System. <i>Journal of the American Chemical Society</i> , 2010, 132, 2254-2263.	13.7	49
14	Chemistries for Patterning Robust DNA MicroBarcodes Enable Multiplex Assays of Cytoplasm Proteins from Single Cancer Cells. <i>ChemPhysChem</i> , 2010, 11, 3063-3069.	2.1	47
15	Microchip platforms for multiplex single-cell functional proteomics with applications to immunology and cancer research. <i>Genome Medicine</i> , 2013, 5, 75.	8.2	46
16	Time Resolved Studies of Interfacial Reactions of Ozone with Pulmonary Phospholipid Surfactants Using Field Induced Droplet Ionization Mass Spectrometry. <i>Journal of Physical Chemistry B</i> , 2010, 114, 9496-9503.	2.6	37
17	Intercellular signaling through secreted proteins induces free-energy gradient-directed cell movement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5520-5525.	7.1	37
18	Critical Points in Tumorigenesis: A Carcinogen-Initiated Phase Transition Analyzed via Single-Cell Proteomics. <i>Small</i> , 2016, 12, 1425-1431.	10.0	19

#	ARTICLE	IF	CITATIONS
19	A robotics platform for automated batch fabrication of high density, microfluidics-based DNA microarrays, with applications to single cell, multiplex assays of secreted proteins. Review of Scientific Instruments, 2011, 82, 094301.	1.3	12
20	A microfluidic-based bubble generation platform enables analysis of physical property change in phospholipid surfactant layers by interfacial ozone reaction. Lab on A Chip, 2012, 12, 5243.	6.0	4
21	Quantitative assessments of glycolysis from single cells. Technology, 2015, 03, 172-178.	1.4	3