Samuel C Kim

List of Publications by Year
in descending order

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28 papers	1,542 citations	471509 17 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	2578 citing authors

#	Article	IF	Citations
1	Microfluidic Platforms for Single-Cell Analysis. Annual Review of Biomedical Engineering, 2010, 12, 187-201.	12.3	287
2	Abseq: Ultrahigh-throughput single cell protein profiling with droplet microfluidic barcoding. Scientific Reports, 2017, 7, 44447.	3.3	217
3	Microdroplet fusion mass spectrometry for fast reaction kinetics. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3898-3903.	7.1	197
4	Structure and Conformational Changes in the C-terminal Domain of the Î²2-Adrenoceptor. Journal of Biological Chemistry, 2007, 282, 13895-13905.	3.4	141
5	Coating of poly(dimethylsiloxane) with n-dodecyl-Î²-d-maltoside to minimize nonspecific protein adsorption. Lab on A Chip, 2005, 5, 1005.	6.0	134
6	Single-Cell RT-PCR in Microfluidic Droplets with Integrated Chemical Lysis. Analytical Chemistry, 2018, 90, 1273-1279.	6.5	100
7	Patterning microfluidic device wettability with spatially-controlled plasma oxidation. Lab on A Chip, 2015, 15, 3163-3169.	6.0	67
8	Particle-Templated Emulsification for Microfluidics-Free Digital Biology. Analytical Chemistry, 2018, 90, 9813-9820.	6.5	52
9	Miniaturized Antimicrobial Susceptibility Test by Combining Concentration Gradient Generation and Rapid Cell Culturing. Antibiotics, 2015, 4, 455-466.	3.7	44
10	Phospholipid biotinylation of polydimethylsiloxane (PDMS) for protein immobilization. Lab on A Chip, 2006, 6, 369.	6.0	39
11	Discovery of Stable and Selective Antibody Mimetics from Combinatorial Libraries of Polyvalent, Loop-Functionalized Peptoid Nanosheets. ACS Nano, 2020, 14, 185-195.	14.6	38
12	Nanotip Ambient Ionization Mass Spectrometry. Analytical Chemistry, 2016, 88, 5542-5548.	6.5	23
13	Bulk double emulsification for flow cytometric analysis of microfluidic droplets. Analyst, The, 2017, 142, 4618-4622.	3.5	23
14	Transforming Plastic Surfaces with Electrophilic Backbones from Hydrophobic to Hydrophilic. ACS Applied Materials & Interfaces, 2015, 7, 1925-1931.	8.0	22
15	Use of a Mixture of n-Dodecyl-Î²-<scp>d</scp>-maltoside and Sodium Dodecyl Sulfate in Poly(dimethylsiloxane) Microchips To Suppress Adhesion and Promote Separation of Proteins. Analytical Chemistry, 2007, 79, 9145-9149.	6.5	21
16	Uniform, Large-Area, Highly Ordered Peptoid Monolayer and Bilayer Films for Sensing Applications. Langmuir, 2019, 35, 13671-13680.	3.5	20
17	Microfluidic separation and capture of analytes for single-molecule spectroscopy. Lab on A Chip, 2007, 7, 1663.	6.0	19
18	Characterization of the liver immune microenvironment in liver biopsies from patients with chronic HBV infection. JHEP Reports, 2022, 4, 100388.	4.9	19

#	Article	IF	Citations
19	Efficient extraction of oil from droplet microfluidic emulsions. Biomicrofluidics, 2017, 11, 034111.	2.4	15
20	FRET-Based Measurement of GPCR Conformational Changes. Methods in Molecular Biology, 2009, 552, 253-268.	0.9	14
21	Measurement of copy number variation in single cancer cells using rapid-emulsification digital droplet MDA. Microsystems and Nanoengineering, 2017, 3, .	7.0	13
22	Lysis of a Single Cyanobacterium for Whole Genome Amplification. Micromachines, 2013, 4, 321-332.	2.9	12
23	Polarization-Controlled Photoswitching Resolves Dipole Directions with Subwavelength Resolution. Physical Review Letters, 2012, 109, 248101.	7.8	7
24	Single-Molecule Spectroscopy Using Microfluidic Platforms. Methods in Enzymology, 2010, 472, 119-132.	1.0	6
25	Robotic automation of droplet microfluidics. Biomicrofluidics, 2022, 16, 014102.	2.4	5
26	Performance of chemically modified plastic blood collection tubes. Clinical Biochemistry, 2016, 49, 90-99.	1.9	3
27	Surface characterization and free thyroid hormones response of chemically modified poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock	6.1	2
28	Single-Cell Protein Profiling by Microdroplet Barcoding and Next-Generation Sequencing. Methods in Molecular Biology, 2022, 2386, 101-111.	0.9	0