

# Anup K Singh

## List of Publications by Year in descending order

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47  
papers

3,964  
citations

147801

31  
h-index

254184

43  
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47  
all docs

47  
docs citations

47  
times ranked

4289  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoporous Hydrogels for the Observation of Anthrax Exotoxin Translocation Dynamics. ACS Applied Materials & Interfaces, 2018, 10, 13342-13349.	8.0	2
2	Centrifugal Microfluidic Platform for Ultrasensitive Detection of Botulinum Toxin. Analytical Chemistry, 2015, 87, 922-928.	6.5	63
3	Microfluidic Flow Cytometry for Single-Cell Protein Analysis. Methods in Molecular Biology, 2015, 1346, 69-83.	0.9	7
4	Microfluidic Molecular Assay Platform for the Detection of miRNAs, mRNAs, Proteins, and Posttranslational Modifications at Single-Cell Resolution. Journal of the Association for Laboratory Automation, 2014, 19, 587-592.	2.8	4
5	miRNA Detection at Single-Cell Resolution Using Microfluidic LNA Flow-FISH. Methods in Molecular Biology, 2014, 1211, 245-260.	0.9	6
6	Stationary Phases in Microchannels. , 2014, , 1-2.		0
7	Microfluidic Platforms for Single-Cell Protein Analysis. Journal of the Association for Laboratory Automation, 2013, 18, 446-454.	2.8	31
8	Single Cell MicroRNA Analysis Using Microfluidic Flow Cytometry. PLoS ONE, 2013, 8, e55044.	2.5	44
9	Single-Cell Measurements of IgE-Mediated Fc $\gamma$ RI Signaling Using an Integrated Microfluidic Platform. PLoS ONE, 2013, 8, e60159.	2.5	23
10	Microfluidically-unified cell culture, sample preparation, imaging and flow cytometry for measurement of cell signaling pathways with single cell resolution. Lab on A Chip, 2012, 12, 2823.	6.0	32
11	Single-cell protein analysis. Current Opinion in Biotechnology, 2012, 23, 83-88.	6.6	149
12	Microscale Isoelectric Fractionation Using Photopolymerized Membranes. Analytical Chemistry, 2011, 83, 3120-3125.	6.5	15
13	Microfluidic fluorescence in situ hybridization and flow cytometry (i <sup>2</sup> /4FlowFISH). Lab on A Chip, 2011, 11, 2673.	6.0	58
14	Aptamers as Affinity Reagents in an Integrated Electrophoretic Lab-on-a-Chip Platform. Analytical Chemistry, 2010, 82, 8813-8820.	6.5	22
15	Fully Integrated Microfluidic Platform Enabling Automated Phosphoproteomics of Macrophage Response. Analytical Chemistry, 2009, 81, 3261-3269.	6.5	35
16	Identification of Pathogen and Host Response Markers Correlated With Periodontal Disease. Journal of Periodontology, 2009, 80, 436-446.	3.4	302
17	Enrichment and fractionation of proteins via microscale pore limit electrophoresis. Lab on A Chip, 2009, 9, 2729.	6.0	7
18	Isotropically etched radial micropore for cell concentration, immobilization, and picodroplet generation. Lab on A Chip, 2009, 9, 507.	6.0	10

#	ARTICLE	IF	CITATIONS
19	An integrated microfluidic platform for sensitive and rapid detection of biological toxins. Lab on A Chip, 2008, 8, 2046.	6.0	108
20	Photopolymerized diffusion-defined polyacrylamide gradient gels for on-chip protein sizing. Lab on A Chip, 2008, 8, 1273.	6.0	46
21	Rapid microchip-based electrophoretic immunoassays for the detection of swine influenza virus. Lab on A Chip, 2008, 8, 1319.	6.0	70
22	Microfluidic-Based Cell Sorting of <i>Francisella tularensis</i> Infected Macrophages Using Optical Forces. Analytical Chemistry, 2008, 80, 6365-6372.	6.5	94
23	On-Chip Isoelectric Focusing Using Photopolymerized Immobilized pH Gradients. Analytical Chemistry, 2008, 80, 3327-3333.	6.5	33
24	Microfluidic immunoassays as rapid saliva-based clinical diagnostics. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5268-5273.	7.1	351
25	Studies of Phosphorylation During Innate Immune Signaling using On-Chip Cell Preparation and Downstream Flow Cytometry. , 2007, , .		0
26	Integrated Microfluidic Platform for Oral Diagnostics. Annals of the New York Academy of Sciences, 2007, 1098, 362-374.	3.8	69
27	Integrated Preconcentration SDS-PAGE of Proteins in Microchips Using Photopatterned Cross-Linked Polyacrylamide Gels. Analytical Chemistry, 2006, 78, 4976-4984.	6.5	159
28	On-chip sample preconcentration for integrated microfluidic analysis. Analytical and Bioanalytical Chemistry, 2006, 384, 41-43.	3.7	57
29	Aqueous sol-gel encapsulation of genetically engineered <i>Moraxella</i> spp. cells for the detection of organophosphates. Biosensors and Bioelectronics, 2005, 20, 1433-1437.	10.1	85
30	Fabrication and Analysis of Spatially Uniform Field Electrokinetic Flow Devices: Theory and Experiment. Analytical Chemistry, 2005, 77, 6790-6797.	6.5	8
31	On-Chip Native Gel Electrophoresis-Based Immunoassays for Tetanus Antibody and Toxin. Analytical Chemistry, 2005, 77, 585-590.	6.5	84
32	Dielectrophoretic Manipulation of Particles and Cells Using Insulating Ridges in Faceted Prism Microchannels. Analytical Chemistry, 2005, 77, 6798-6804.	6.5	97
33	Micrometer-Sized Supported Lipid Bilayer Arrays for Bacterial Toxin Binding Studies through Total Internal Reflection Fluorescence Microscopy. Biophysical Journal, 2005, 89, 296-305.	0.5	84
34	Electrophoretic Concentration of Proteins at Laser-Patterned Nanoporous Membranes in Microchips. Analytical Chemistry, 2004, 76, 4589-4592.	6.5	154
35	Microchip Dialysis of Proteins Using in Situ Photopatterned Nanoporous Polymer Membranes. Analytical Chemistry, 2004, 76, 2367-2373.	6.5	107
36	Photopolymerized Cross-Linked Polyacrylamide Gels for On-Chip Protein Sizing. Analytical Chemistry, 2004, 76, 4727-4733.	6.5	92

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37	Dielectrophoresis in Microchips Containing Arrays of Insulating Posts: A Theoretical and Experimental Results. <i>Analytical Chemistry</i> , 2003, 75, 4724-4731.	6.5	336
38	Electrochromatography in Microchips: A Reversed-Phase Separation of Peptides and Amino Acids Using Photopatterned Rigid Polymer Monoliths. <i>Analytical Chemistry</i> , 2002, 74, 784-789.	6.5	220
39	In-situ Fabrication of Dialysis Membranes in Glass Microchannels Using Laser-induced Phase-Separation Polymerization. , 2002, , 742-744.		0
40	Liposomes Labeled with Biotin and Horseradish Peroxidase: A Probe for the Enhanced Amplification of Antigen-Antibody or Oligonucleotide-DNA Sensing Processes by the Precipitation of an Insoluble Product on Electrodes. <i>Analytical Chemistry</i> , 2001, 73, 91-102.	6.5	206
41	Reversed-phase electrochromatography of amino acids and peptides using porous polymer monoliths. <i>Journal of Chromatography A</i> , 2001, 925, 251-263.	3.7	108
42	Fluorescent Liposome Flow Markers for Microscale Particle-Image Velocimetry. <i>Analytical Chemistry</i> , 2001, 73, 1057-1061.	6.5	49
43	Aqueous Sol-Gel Process for Protein Encapsulation. <i>Chemistry of Materials</i> , 2000, 12, 2434-2441.	6.7	329
44	Gangliosides as Receptors for Biological Toxins: Development of Sensitive Fluoroimmunoassays Using Ganglioside-Bearing Liposomes. <i>Analytical Chemistry</i> , 2000, 72, 6019-6024.	6.5	107
45	Liposomes as Signal-Enhancement Agents in Immunodiagnostic Applications. , 2000, , 131-145.		5
46	Application of Antibody and Fluorophore-Derivatized Liposomes to Heterogeneous Immunoassays for D-dimer. <i>Biotechnology Progress</i> , 1996, 12, 272-280.	2.6	62
47	Noncompetitive Immunoassays Using Bifunctional Unilamellar Vesicles or Liposomes. <i>Biotechnology Progress</i> , 1995, 11, 333-341.	2.6	34