

# Sumit Kalsi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2498842/publications.pdf>

Version: 2024-02-01

9  
papers

316  
citations

1307594

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1474206

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docs citations

9  
times ranked

448  
citing authors

| # | ARTICLE  | IF   | CITATIONS |
|---|--|------|-----------|
| 1 | Rapid and sensitive detection of antibiotic resistance on a programmable digital microfluidic platform. Lab on A Chip, 2015, 15, 3065-3075.  | 6.0  | 124       |
| 2 | Ultra-fast electronic detection of antimicrobial resistance genes using isothermal amplification and Thin Film Transistor sensors. Biosensors and Bioelectronics, 2017, 96, 281-287.                     | 10.1 | 51        |
| 3 | A Programmable Digital Microfluidic Assay for the Simultaneous Detection of Multiple Anti-Microbial Resistance Genes. Micromachines, 2017, 8, 111.   | 2.9  | 37        |
| 4 | Shaped Apertures in Photoresist Films Enhance the Lifetime and Mechanical Stability of Suspended Lipid Bilayers. Biophysical Journal, 2014, 106, 1650-1659.  | 0.5  | 34        |
| 5 | Simple and rapid sample preparation system for the molecular detection of antibiotic resistant pathogens in human urine. Biomedical Microdevices, 2016, 18, 18.  | 2.8  | 24        |
| 6 | Sample pre-concentration on a digital microfluidic platform for rapid AMR detection in urine. Lab on A Chip, 2019, 19, 168-177.  | 6.0  | 23        |
| 7 | Fast and sensitive isothermal DNA assay using microbead $\mu$ dielectrophoresis for detection of anti-microbial resistance genes. Biosensors and Bioelectronics, 2018, 117, 583-589.                     | 10.1 | 20        |
| 8 | Development of a rapid phenotypic test on a microfluidic device for carbapenemase detection using the chromogenic compound nitrocefim. Diagnostic Microbiology and Infectious Disease, 2020, 96, 114926. | 1.8  | 2         |
| 9 | Integrated waveguide and nanostructured sensor platform for surface-enhanced Raman spectroscopy. Journal of Nanophotonics, 2014, 8, 083989.  | 1.0  | 1         |