

# Gopikrishnan Gopalakrishnan Meena

## List of Publications by Year in descending order

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13  
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docs citations

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122  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast custom wavelet analysis technique for single molecule detection and identification. Nature Communications, 2022, 13, 1035.	12.8	13
2	Optofluidic Amplification-Free Multiplex Detection of Viral Hemorrhagic Fevers. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-6.	2.9	5
3	Optofluidic Flow-Through Biosensor Sensitivity Model and Experiment. Journal of Lightwave Technology, 2021, 39, 3330-3340.	4.6	3
4	Optofluidic multiplex detection of single SARS-CoV-2 and influenza A antigens using a novel bright fluorescent probe assay. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	30
5	Ultrasensitive detection of SARS-CoV-2 RNA and antigen using single-molecule optofluidic chip. APL Photonics, 2021, 6, .	5.7	11
6	Greatly Enhanced Single Particle Fluorescence Detection Using High Refractive Index Liquid-Core Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-7.	2.9	3
7	3Å— multiplexed detection of antibiotic resistant plasmids with single molecule sensitivity. Lab on A Chip, 2020, 20, 3763-3771.	6.0	15
8	7X multiplexed, optofluidic detection of nucleic acids for antibiotic-resistance bacterial screening. Optics Express, 2020, 28, 33019.	3.4	13
9	Multimode Interference Waveguide-Based 7Å— Multiplexed Detection of Nucleic Acids for Antibiotic-Resistant Bacterial Screening. , 2018, , .		0
10	Integration of sample preparation and analysis into an optofluidic chip for multi-target disease detection. Lab on A Chip, 2018, 18, 3678-3686.	6.0	24
11	Buried Rib SiO <sub>2</sub> Multimode Interference Waveguides for Optofluidic Multiplexing. IEEE Photonics Technology Letters, 2018, 30, 1487-1490.	2.5	2
12	Optofluidic detection of Zika nucleic acid and protein biomarkers using multimode interference multiplexing. Biomedical Optics Express, 2018, 9, 3725.	2.9	26
13	Optofluidic Lab-on-a-Chip Fluorescence Sensor Using Integrated Buried ARROW (bARROW) Waveguides. Micromachines, 2017, 8, 252.	2.9	13