

# Vinoth Kumar Rajendran

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/621973/publications.pdf>

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11  
papers

334  
citations

933447

10  
h-index

1281871

11  
g-index

11  
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11  
docs citations

11  
times ranked

556  
citing authors

#	ARTICLE	IF	CITATIONS
1	Smartphone based bacterial detection using biofunctionalized fluorescent nanoparticles. <i>Mikrochimica Acta</i> , 2014, 181, 1815-1821.	5.0	86
2	Sensitive and Direct DNA Mutation Detection by Surface-Enhanced Raman Spectroscopy Using Rational Designed and Tunable Plasmonic Nanostructures. <i>Analytical Chemistry</i> , 2020, 92, 5708-5716.	6.5	50
3	Smartphone detection of antibiotic resistance using convective PCR and a lateral flow assay. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126849.	7.8	40
4	A portable nucleic acid detection system using natural convection combined with a smartphone. <i>Biosensors and Bioelectronics</i> , 2019, 134, 68-75.	10.1	35
5	Cadmium-Induced Embryopathy: Nitric Oxide Rescues Teratogenic Effects of Cadmium. <i>Toxicological Sciences</i> , 2015, 144, 90-104.	3.1	28
6	Multiplex detection of ctDNA mutations in plasma of colorectal cancer patients by PCR/SERS assay. <i>Nanotheranostics</i> , 2020, 4, 224-232.	5.2	25
7	Immunomagnetic nanoparticle based quantitative PCR for rapid detection of Salmonella. <i>Mikrochimica Acta</i> , 2013, 180, 1241-1248.	5.0	24
8	Rapid and specific duplex detection of methicillin-resistant <i>Staphylococcus aureus</i> genes by surface-enhanced Raman spectroscopy. <i>Analyst, The</i> , 2020, 145, 2789-2794.	3.5	18
9	Smartphone technology facilitates point-of-care nucleic acid diagnosis: a beginner's guide. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2021, 58, 77-100.	6.1	13
10	Highly specific detection of KRAS single nucleotide polymorphism by asymmetric PCR/SERS assay. <i>Analyst, The</i> , 2021, 146, 5714-5721.	3.5	10
11	Linker-protein G mediated functionalization of polystyrene-encapsulated upconversion nanoparticles for rapid gene assay using convective PCR. <i>Mikrochimica Acta</i> , 2019, 186, 346.	5.0	5