

# Shalen Kumar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1824615/publications.pdf>

Version: 2024-02-01

9  
papers

439  
citations

1163117

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1474206

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docs citations

9  
times ranked

586  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasensitive Colorimetric Detection of 17 $\beta$ -Estradiol: The Effect of Shortening DNA Aptamer Sequences. <i>Analytical Chemistry</i> , 2015, 87, 4201-4209.	6.5	148
2	Small molecule detection in solution via the size contraction response of aptamer functionalized nanoparticles. <i>Biosensors and Bioelectronics</i> , 2014, 57, 262-268.	10.1	87
3	Label-free electrochemical aptasensor for femtomolar detection of 17 $\beta$ -estradiol. <i>Biosensors and Bioelectronics</i> , 2015, 70, 398-403.	10.1	73
4	Structural Changes of Mercaptohexanol Self-Assembled Monolayers on Gold and Their Influence on Impedimetric Aptamer Sensors. <i>Analytical Chemistry</i> , 2019, 91, 14697-14704.	6.5	52
5	Lateral Flow Aptasensor for Small Molecule Targets Exploiting Adsorption and Desorption Interactions on Gold Nanoparticles. <i>Analytical Chemistry</i> , 2017, 89, 7416-7424.	6.5	37
6	Highly sensitive and specific real-time PCR by employing serial invasive reaction as a sequence identifier for quantifying EGFR mutation abundance in cfDNA. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6751-6759.	3.7	18
7	Invader Assisted Enzyme-Linked Immunosorbent Assay for Colorimetric Detection of Disease Biomarkers Using Oligonucleotide Probe-Modified Gold Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 831-839.	1.1	13
8	Signal amplification of microRNAs with modified strand displacement-based cycling probe technology. <i>Analyst</i> , 2016, 141, 6297-6302.	3.5	10
9	The Potential Use of Aptamers in The Process of Drug Development. <i>Pharmaceutical Sciences</i> , 2021, , .	0.2	1