

# K K Sriram

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

294  
citations

840119

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940134

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23  
all docs

23  
docs citations

23  
times ranked

271  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiphonon Raman scattering in GaN nanowires. <i>Applied Physics Letters</i> , 2007, 90, 213104.	1.5	49
2	Optical DNA Mapping Combined with Cas9-Targeted Resistance Gene Identification for Rapid Tracking of Resistance Plasmids in a Neonatal Intensive Care Unit Outbreak. <i>MBio</i> , 2019, 10, .	1.8	23
3	Dynamics of Ku and bacterial non-homologous end-joining characterized using single DNA molecule analysis. <i>Nucleic Acids Research</i> , 2021, 49, 2629-2641.	6.5	22
4	A nanofluidic device for real-time visualization of DNA-protein interactions on the single DNA molecule level. <i>Nanoscale</i> , 2019, 11, 2071-2078.	2.8	21
5	Phosphorylated CtIP bridges DNA to promote annealing of broken ends. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21403-21412.	3.3	21
6	Direct optical mapping of transcription factor binding sites on field-stretched $\lambda$ -DNA in nanofluidic devices. <i>Nucleic Acids Research</i> , 2014, 42, e85-e85.	6.5	18
7	Enzyme-free optical DNA mapping of the human genome using competitive binding. <i>Nucleic Acids Research</i> , 2019, 47, e89-e89.	6.5	17
8	Interspecies plasmid transfer appears rare in sequential infections with extended-spectrum $\beta$ -lactamase (ESBL)-producing Enterobacteriaceae. <i>Diagnostic Microbiology and Infectious Disease</i> , 2019, 93, 380-385.	0.8	17
9	Optical maps of plasmids as a proxy for clonal spread of MDR bacteria: a case study of an outbreak in a rural Ethiopian hospital. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 2804-2811.	1.3	15
10	Cultivation-Free Typing of Bacteria Using Optical DNA Mapping. <i>ACS Infectious Diseases</i> , 2020, 6, 1076-1084.	1.8	14
11	The HIV-1 nucleocapsid chaperone protein forms locally compacted globules on long double-stranded DNA. <i>Nucleic Acids Research</i> , 2021, 49, 4550-4563.	6.5	13
12	10 nm deep, sub-nanoliter fluidic nanochannels on germanium for attenuated total reflection infrared (ATR-IR) spectroscopy. <i>Analyst</i> , The, 2017, 142, 273-278.	1.7	11
13	Real-time compaction of nanoconfined DNA by an intrinsically disordered macromolecular counterion. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 175-180.	1.0	8
14	Organic Anisotropic Excitonic Optical Nanoantennas. <i>Advanced Science</i> , 2022, 9, .	5.6	8
15	Annealing of ssDNA and compaction of dsDNA by the HIV-1 nucleocapsid and Gag proteins visualized using nanofluidic channels. <i>Quarterly Reviews of Biophysics</i> , 2019, 52, e2.	2.4	7
16	Identity of blaCTX-M Carrying Plasmids in Sequential ESBL-E. coli Isolates from Patients with Recurrent Urinary Tract Infections. <i>Microorganisms</i> , 2021, 9, 1138.	1.6	7
17	Tandem array of nanoelectronic readers embedded coplanar to a fluidic nanochannel for correlated single biopolymer analysis. <i>Biomicrofluidics</i> , 2014, 8, 016501.	1.2	6
18	High diversity of blaNDM-1-encoding plasmids in <i>Klebsiella pneumoniae</i> isolated from neonates in a Vietnamese hospital. <i>International Journal of Antimicrobial Agents</i> , 2022, 59, 106496.	1.1	6

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19	Optical DNA Mapping of Plasmids Reveals Clonal Spread of Carbapenem-Resistant <i>Klebsiella pneumoniae</i> in a Large Thai Hospital. <i>Antibiotics</i> , 2021, 10, 1029.	1.5	5
20	Nanoconfinement-Induced DNA Reptating Motion and Analogy to Fluctuating Interfaces. <i>Macromolecules</i> , 2020, 53, 1001-1013.	2.2	3
21	A Parallelized Nanofluidic Device for High-Throughput Optical DNA Mapping of Bacterial Plasmids. <i>Micromachines</i> , 2021, 12, 1234.	1.4	3
22	DNA Bridging by the Homologous Recombination Component CtIP Investigated on the Single DNA Molecule Level. <i>Biophysical Journal</i> , 2020, 118, 30a.	0.2	0
23	Identifying Evolutionarily Conserved Features of NHEJ from Prokaryotes to Eukaryotes using Single-Molecule Approaches. <i>Biophysical Journal</i> , 2020, 118, 374a.	0.2	0