

# Vinodh Kumar Kandavalli

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1815527/publications.pdf>

Version: 2024-02-01

8  
papers

100  
citations

1937632

4  
h-index

2053674

5  
g-index

10  
all docs

10  
docs citations

10  
times ranked

81  
citing authors

| # | ARTICLE  | IF   | CITATIONS |
|---|--|------|-----------|
| 1 | Analytical kinetic model of native tandem promoters in <i>E. coli</i> . PLoS Computational Biology, 2022, 18, e1009824.  | 3.2  | 10        |
| 2 | Sequence-dependent model of genes with dual $\lambda$ factor preference. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2022, 1865, 194812.                       | 1.9  | 6         |
| 3 | Mean and Variability in RNA Polymerase Numbers Are Correlated to the Mean but Not the Variability in Size and Composition of Escherichia Coli Cells. , 2019, , .               |      | 0         |
| 4 | Modeling and Engineering Promoters with Pre-defined RNA Production Dynamics in Escherichia Coli. Lecture Notes in Computer Science, 2018, , 3-20.                              | 1.3  | 0         |
| 5 | Rate-limiting steps in transcription dictate sensitivity to variability in cellular components. Scientific Reports, 2017, 7, 10588.  | 3.3  | 11        |
| 6 | Dissecting the stochastic transcription initiation process in live Escherichia coli. DNA Research, 2016, 23, 203-214.  | 3.4  | 36        |
| 7 | Temperature-Dependent Model of Multi-step Transcription Initiation in Escherichia coli Based on Live Single-Cell Measurements. PLoS Computational Biology, 2016, 12, e1005174. | 3.2  | 33        |
| 8 | The transcription factor network of <i>E. coli</i> steers global responses to shifts in RNAP concentration. Nucleic Acids Research, 0, , .                                     | 14.5 | 2         |