

# Jonghyeon Shin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12162022/publications.pdf>

Version: 2024-02-01

11  
papers

2,275  
citations

840776

11  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

2141  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Programming <i>Escherichia coli</i> to function as a digital display. <i>Molecular Systems Biology</i> , 2020, 16, e9401.   | 7.2  | 54        |
| 2  | CRISPR-Cas9 mediated precision design of stable genetic circuits carried in highly insulated <i>E. coli</i> genomic landing pads. <i>Molecular Systems Biology</i> , 2020, 16, e9584. | 7.2  | 45        |
| 3  | Genetic circuit design automation. <i>Science</i> , 2016, 352, aac7341.   | 12.6 | 835       |
| 4  | Protocols for Implementing an <i>Escherichia coli</i> Based TX-TL Cell-Free Expression System for Synthetic Biology. <i>Journal of Visualized Experiments</i> , 2013, , e50762.       | 0.3  | 280       |
| 5  | An <i>E. coli</i> Cell-Free Expression Toolbox: Application to Synthetic Gene Circuits and Artificial Cells. <i>ACS Synthetic Biology</i> , 2012, 1, 29-41.                           | 3.8  | 381       |
| 6  | Assembly of MreB Filaments on Liposome Membranes: A Synthetic Biology Approach. <i>ACS Synthetic Biology</i> , 2012, 1, 53-59.  | 3.8  | 100       |
| 7  | Genome Replication, Synthesis, and Assembly of the Bacteriophage T7 in a Single Cell-Free Reaction. <i>ACS Synthetic Biology</i> , 2012, 1, 408-413.                                  | 3.8  | 134       |
| 8  | $\beta$ -Hemolysin pore formation into a supported phospholipid bilayer using cell-free expression. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 271-278.        | 2.6  | 66        |
| 9  | Coarse-Grained Dynamics of Protein Synthesis in a Cell-Free System. <i>Physical Review Letters</i> , 2011, 106, 048104.   | 7.8  | 116       |
| 10 | Efficient cell-free expression with the endogenous <i>E. coli</i> RNA polymerase and sigma factor 70. <i>Journal of Biological Engineering</i> , 2010, 4, 8.                          | 4.7  | 199       |
| 11 | Study of messenger RNA inactivation and protein degradation in an <i>Escherichia coli</i> cell-free expression system. <i>Journal of Biological Engineering</i> , 2010, 4, 9.         | 4.7  | 65        |