

Srivatsan Raman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8359353/publications.pdf>

Version: 2024-02-01

15
papers

1,165
citations

686830

13
h-index

996533

15
g-index

23
all docs

23
docs citations

23
times ranked

1478
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Engineering an allosteric transcription factor to respond to new ligands. <i>Nature Methods</i> , 2016, 13, 177-183. | 9.0 | 274 |
| 2 | Evolution-guided optimization of biosynthetic pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17803-17808. | 3.3 | 242 |
| 3 | Synthetic biosensors for precise gene control and real-time monitoring of metabolites. <i>Nucleic Acids Research</i> , 2015, 43, 7648-7660. | 6.5 | 193 |
| 4 | Functional plasticity and evolutionary adaptation of allosteric regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25445-25454. | 3.3 | 65 |
| 5 | Engineering allostery. <i>Trends in Genetics</i> , 2014, 30, 521-528. | 2.9 | 64 |
| 6 | Design of a Transcriptional Biosensor for the Portable, On-Demand Detection of Cyanuric Acid. <i>ACS Synthetic Biology</i> , 2020, 9, 84-94. | 1.9 | 51 |
| 7 | A Regulatory NADH/NAD ⁺ Redox Biosensor for Bacteria. <i>ACS Synthetic Biology</i> , 2019, 8, 264-273. | 1.9 | 45 |
| 8 | Computation-guided optimization of split protein systems. <i>Nature Chemical Biology</i> , 2021, 17, 531-539. | 3.9 | 45 |
| 9 | Virus-associated organosulfur metabolism in human and environmental systems. <i>Cell Reports</i> , 2021, 36, 109471. | 2.9 | 38 |
| 10 | De novo design of programmable inducible promoters. <i>Nucleic Acids Research</i> , 2019, 47, 10452-10463. | 6.5 | 37 |
| 11 | Engineered bacteriophages as programmable biocontrol agents. <i>Current Opinion in Biotechnology</i> , 2020, 61, 116-121. | 3.3 | 35 |
| 12 | Mapping the functional landscape of the receptor binding domain of T7 bacteriophage by deep mutational scanning. <i>ELife</i> , 2021, 10, . | 2.8 | 30 |
| 13 | Systems Approaches to Understanding and Designing Allosteric Proteins. <i>Biochemistry</i> , 2018, 57, 376-382. | 1.2 | 17 |
| 14 | Epistasis shapes the fitness landscape of an allosteric specificity switch. <i>Nature Communications</i> , 2021, 12, 5562. | 5.8 | 16 |
| 15 | Engineering a Dynamic Controllable Infectivity Switch in Bacteriophage T7. <i>ACS Synthetic Biology</i> , 2022, 11, 286-296. | 1.9 | 1 |