

# Roe Amit

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

501  
citations

1163117

8  
h-index

794594

19  
g-index

27  
all docs

27  
docs citations

27  
times ranked

665  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Cell-Free Assay for Rapid Screening of Inhibitors of hACE2-Receptor SARS-CoV-2-Spike Binding. <i>ACS Synthetic Biology</i> , 2022, 11, 1389-1396.	3.8	0
2	Molecular and experimental tools to design synthetic enhancers. <i>Current Opinion in Biotechnology</i> , 2022, 76, 102728.	6.6	4
3	Overcoming the design, build, test bottleneck for synthesis of nonrepetitive protein-RNA cassettes. <i>Nature Communications</i> , 2021, 12, 1576.	12.8	8
4	An Oligo-Library-Based Approach for Mapping DNA-DNA Triplex Interactions In Vitro. <i>ACS Synthetic Biology</i> , 2021, 10, 1808-1820.	3.8	3
5	Data storage in DNA with fewer synthesis cycles using composite DNA letters. <i>Nature Biotechnology</i> , 2019, 37, 1229-1236.	17.5	110
6	An Assay for Quantifying Protein-RNA Binding in Bacteria. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	3
7	Synthetic 5' UTRs Can Either Up- or Downregulate Expression upon RNA-Binding Protein Binding. <i>Cell Systems</i> , 2019, 9, 93-106.e8.	6.2	11
8	Designing Bacterial Chemotactic Receptors Guided by Photonic Femtoliter Well Arrays for Quantifiable, Label-Free Measurement of Bacterial Chemotaxis. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 603-612.	5.2	6
9	An <i>In Vivo</i> Binding Assay for RNA-Binding Proteins Based on Repression of a Reporter Gene. <i>ACS Synthetic Biology</i> , 2018, 7, 2765-2774.	3.8	16
10	A Synthetic Oligo Library and Sequencing Approach Reveals an Insulation Mechanism Encoded within Bacterial $\lambda$ 54 Promoters. <i>Cell Reports</i> , 2017, 21, 845-858.	6.4	23
11	A Looping-Based Model for Quenching Repression. <i>PLoS Computational Biology</i> , 2017, 13, e1005337.	3.2	1
12	Using synthetic bacterial enhancers to reveal a looping-based mechanism for quenching-like repression. <i>Nature Communications</i> , 2016, 7, 10407.	12.8	11
13	Self-avoiding wormlike chain model for double-stranded-DNA loop formation. <i>Physical Review E</i> , 2014, 90, 052602.	2.1	10
14	Anti-Cooperative and Cooperative Protein-Protein Interactions between TetR Isoforms on Synthetic Enhancers. <i>Journal of Computational Biology</i> , 2012, 19, 115-125.	1.6	2
15	Towards Synthetic Gene Circuits with Enhancers: Biology's Multi-input Integrators. <i>Sub-Cellular Biochemistry</i> , 2012, 64, 3-20.	2.4	3
16	Building Enhancers from the Ground Up: A Synthetic Biology Approach. <i>Cell</i> , 2011, 146, 105-118.	28.9	53
17	Direct observation of RuvAB-catalyzed branch migration of single Holliday junctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11605-11610.	7.1	46
18	Single Molecule Elasticity Measurements: A Biophysical Approach to Bacterial Nucleoid Organization. <i>Biophysical Journal</i> , 2004, 87, 1392-1393.	0.5	11

#	ARTICLE	IF	CITATIONS
19	Increased Bending Rigidity of Single DNA Molecules by H-NS, a Temperature and Osmolarity Sensor. Biophysical Journal, 2003, 84, 2467-2473.	0.5	163