

# Aaron W Feldman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6938777/publications.pdf>

Version: 2024-02-01

13  
papers

801  
citations

758635

12  
h-index

1125271

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

717  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | A semi-synthetic organism that stores and retrieves increased genetic information. <i>Nature</i> , 2017, 551, 644-647.   | 13.7 | 262       |
| 2  | A semisynthetic organism engineered for the stable expansion of the genetic alphabet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1317-1322.               | 3.3  | 148       |
| 3  | Expansion of the Genetic Alphabet: A Chemist's Approach to Synthetic Biology. <i>Accounts of Chemical Research</i> , 2018, 51, 394-403.  | 7.6  | 81        |
| 4  | New codons for efficient production of unnatural proteins in a semisynthetic organism. <i>Nature Chemical Biology</i> , 2020, 16, 570-576.   | 3.9  | 67        |
| 5  | Optimization of Replication, Transcription, and Translation in a Semi-Synthetic Organism. <i>Journal of the American Chemical Society</i> , 2019, 141, 10644-10653.  | 6.6  | 52        |
| 6  | Progress Toward a Semi-Synthetic Organism with an Unrestricted Expanded Genetic Alphabet. <i>Journal of the American Chemical Society</i> , 2018, 140, 16115-16123.  | 6.6  | 38        |
| 7  | A Tool for the Import of Natural and Unnatural Nucleoside Triphosphates into Bacteria. <i>Journal of the American Chemical Society</i> , 2018, 140, 1447-1454.   | 6.6  | 34        |
| 8  | Progress toward Eukaryotic Semisynthetic Organisms: Translation of Unnatural Codons. <i>Journal of the American Chemical Society</i> , 2019, 141, 20166-20170.   | 6.6  | 30        |
| 9  | <i>In Vivo</i> Structure-Activity Relationships and Optimization of an Unnatural Base Pair for Replication in a Semi-Synthetic Organism. <i>Journal of the American Chemical Society</i> , 2017, 139, 11427-11433. | 6.6  | 28        |
| 10 | Chemical Stabilization of Unnatural Nucleotide Triphosphates for the <i>in Vivo</i> Expansion of the Genetic Alphabet. <i>Journal of the American Chemical Society</i> , 2017, 139, 2464-2467.                     | 6.6  | 26        |
| 11 | Synthetic Biology Parts for the Storage of Increased Genetic Information in Cells. <i>ACS Synthetic Biology</i> , 2017, 6, 1834-1840.  | 1.9  | 16        |
| 12 | Transcriptional processing of an unnatural base pair by eukaryotic RNA polymerase II. <i>Nature Chemical Biology</i> , 2021, 17, 906-914.  | 3.9  | 16        |
| 13 | Reply to Hettinger: Hydrophobic unnatural base pairs and the expansion of the genetic alphabet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6478-E6479.   | 3.3  | 3         |