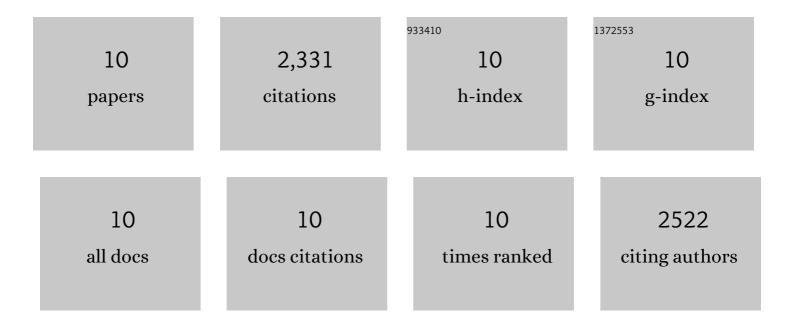
Alec A K Nielsen

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Genetic circuit design automation. Science, 2016, 352, aac7341. | 12.6 | 835 |
| 2 | Characterization of 582 natural and synthetic terminators and quantification of their design constraints. Nature Methods, 2013, 10, 659-664. | 19.0 | 409 |
| 3 | Genomic mining of prokaryotic repressors for orthogonal logic gates. Nature Chemical Biology, 2014, 10, 99-105. | 8.0 | 321 |
| 4 | Multiâ€input <scp>CRISPR</scp> / <scp>C</scp> as genetic circuits that interface host regulatory networks. Molecular Systems Biology, 2014, 10, 763. | 7.2 | 213 |
| 5 | Permanent genetic memory with >1-byte capacity. Nature Methods, 2014, 11, 1261-1266. | 19.0 | 202 |
| 6 | Advances in genetic circuit design: novel biochemistries, deep part mining, and precision gene expression. Current Opinion in Chemical Biology, 2013, 17, 878-892. | 6.1 | 125 |
| 7 | Cellular checkpoint control using programmable sequential logic. Science, 2018, 361, . | 12.6 | 91 |
| 8 | Deep learning to predict the lab-of-origin of engineered DNA. Nature Communications, 2018, 9, 3135. | 12.8 | 55 |
| 9 | DNA Assembly in 3D Printed Fluidics. PLoS ONE, 2015, 10, e0143636. | 2.5 | 40 |
| 10 | Genetic circuit characterization by inferring RNA polymerase movement and ribosome usage. Nature Communications, 2020, 11, 5001. | 12.8 | 40 |