Alec A K Nielsen

List of Publications by Year
in descending order

10 papers	2,331 citations	933410 10 h-index	1372553 10 g-index
10 all docs	10 docs citations	10 times ranked	2522 citing authors

#	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