

Alexandra M Tayar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3074301/publications.pdf>

Version: 2024-02-01

9
papers

475
citations

1307366

7
h-index

1474057

9
g-index

9
all docs

9
docs citations

9
times ranked

563
citing authors

#	ARTICLE	IF	CITATIONS
1	Programmable on-chip DNA compartments as artificial cells. <i>Science</i> , 2014, 345, 829-832.	6.0	237
2	Synchrony and pattern formation of coupled genetic oscillators on a chip of artificial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11609-11614.	3.3	89
3	Propagating gene expression fronts in a one-dimensional coupled system of artificial cells. <i>Nature Physics</i> , 2015, 11, 1037-1041.	6.5	81
4	Electric-Field Manipulation of a Compartmentalized Cell-Free Gene Expression Reaction. <i>ACS Synthetic Biology</i> , 2018, 7, 1829-1833.	1.9	19
5	Multiscale Microtubule Dynamics in Active Nematics. <i>Physical Review Letters</i> , 2021, 127, 148001.	2.9	18
6	Active liquid crystals powered by force-sensing DNA-motor clusters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	13
7	Progress in programming spatiotemporal patterns and machine-assembly in cell-free protein expression systems. <i>Current Opinion in Chemical Biology</i> , 2017, 40, 37-46.	2.8	8
8	Assembling Microtubule-Based Active Matter. <i>Methods in Molecular Biology</i> , 2022, 2430, 151-183.	0.4	6
9	Boundary-Free Ribosome Compartmentalization by Gene Expression on a Surface. <i>ACS Synthetic Biology</i> , 2021, 10, 609-619.	1.9	4