

Alexander Iain Taylor

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1285277/publications.pdf>

Version: 2024-02-01

8
papers

1,115
citations

1162367

8
h-index

1588620

8
g-index

10
all docs

10
docs citations

10
times ranked

1111
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic Genetic Polymers Capable of Heredity and Evolution. <i>Science</i> , 2012, 336, 341-344.	6.0	635
2	Catalysts from synthetic genetic polymers. <i>Nature</i> , 2015, 518, 427-430.	13.7	230
3	A synthetic genetic polymer with an uncharged backbone chemistry based on alkyl phosphonate nucleic acids. <i>Nature Chemistry</i> , 2019, 11, 533-542.	6.6	69
4	Towards applications of synthetic genetic polymers in diagnosis and therapy. <i>Current Opinion in Chemical Biology</i> , 2014, 22, 79-84.	2.8	44
5	Random-sequence genetic oligomer pools display an innate potential for ligation and recombination. <i>ELife</i> , 2018, 7, .	2.8	43
6	Discovery and evolution of RNA and XNA reverse transcriptase function and fidelity. <i>Nature Chemistry</i> , 2020, 12, 683-690.	6.6	41
7	Directed evolution of artificial enzymes (XNAzymes) from diverse repertoires of synthetic genetic polymers. <i>Nature Protocols</i> , 2015, 10, 1625-1642.	5.5	40
8	On gene silencing by the X10-23 DNAzyme. <i>Nature Chemistry</i> , 2022, 14, 855-858.	6.6	12