

Alexander I Taylor

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10607682/publications.pdf>

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15
papers

1,368
citations

567144

15
h-index

940416

16
g-index

18
all docs

18
docs citations

18
times ranked

1295
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	Nanostructures from Synthetic Genetic Polymers. <i>ChemBioChem</i> , 2016, 17, 1107-1110.	1.3	57
5	The Crystal Structure of an Avian IgY-Fc Fragment Reveals Conservation with both Mammalian IgG and IgE. <i>Biochemistry</i> , 2009, 48, 558-562.	1.2	54
6	Beyond DNA and RNA: The Expanding Toolbox of Synthetic Genetics. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a032490.	2.3	46
7	Towards applications of synthetic genetic polymers in diagnosis and therapy. <i>Current Opinion in Chemical Biology</i> , 2014, 22, 79-84.	2.8	44
8	Random-sequence genetic oligomer pools display an innate potential for ligation and recombination. <i>ELife</i> , 2018, 7, .	2.8	43
9	Discovery and evolution of RNA and XNA reverse transcriptase function and fidelity. <i>Nature Chemistry</i> , 2020, 12, 683-690.	6.6	41
10	Directed evolution of artificial enzymes (XNAzymes) from diverse repertoires of synthetic genetic polymers. <i>Nature Protocols</i> , 2015, 10, 1625-1642.	5.5	40
11	Avian IgY Binds to a Monocyte Receptor with IgG-like Kinetics Despite an IgE-like Structure. <i>Journal of Biological Chemistry</i> , 2008, 283, 16384-16390.	1.6	35
12	Enzymatic Synthesis of Nucleic Acids with Defined Regioisomeric 2'â€²5'â€² Linkages. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15570-15573.	7.2	23
13	Mutations in an avian IgY-Fc fragment reveal the locations of monocyte Fc receptor binding sites. <i>Developmental and Comparative Immunology</i> , 2010, 34, 97-101.	1.0	18
14	Selecting Fullyâ€²Modified XNA Aptamers Using Synthetic Genetics. <i>Current Protocols in Chemical Biology</i> , 2018, 10, e44.	1.7	16
15	A Monomeric Chicken IgY Receptor Binds IgY with 2:1 Stoichiometry. <i>Journal of Biological Chemistry</i> , 2009, 284, 24168-24175.	1.6	15