

Gillian Houlihan

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

338
citations

932766

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1372195

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g-index

12
all docs

12
docs citations

12
times ranked

348
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the Chemistry of Genetic Information Storage and Propagation through Polymerase Engineering. <i>Accounts of Chemical Research</i> , 2017, 50, 1079-1087.	7.6	58
2	Beyond DNA and RNA: The Expanding Toolbox of Synthetic Genetics. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a032490.	2.3	46
3	Random-sequence genetic oligomer pools display an innate potential for ligation and recombination. <i>ELife</i> , 2018, 7, .	2.8	43
4	Engineering and application of polymerases for synthetic genetics. <i>Current Opinion in Biotechnology</i> , 2017, 48, 168-179.	3.3	41
5	Discovery and evolution of RNA and XNA reverse transcriptase function and fidelity. <i>Nature Chemistry</i> , 2020, 12, 683-690.	6.6	41
6	Directed evolution of anti-HER2 DARPins by SNAP display reveals stability/function trade-offs in the selection process. <i>Protein Engineering, Design and Selection</i> , 2015, 28, 269-279.	1.0	26
7	An experimental framework for improved selection of binding proteins using SNAP display. <i>Journal of Immunological Methods</i> , 2014, 405, 47-56.	0.6	24
8	Direct Mapping of Higher-Order RNA Interactions by SHAPE-JuMP. <i>Biochemistry</i> , 2021, 60, 1971-1982.	1.2	24
9	Enzymatic Synthesis of Nucleic Acids with Defined Regioisomeric 2'â€²â€²5'â€² Linkages. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15570-15573.	7.2	23
10	SNAP Display - an In Vitro Method for the Selection of Protein Binders. <i>Current Pharmaceutical Design</i> , 2013, 19, 5421-5428.	0.9	12