

Sarah M Richardson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7095155/publications.pdf>

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17
papers

2,373
citations

687363

13
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1974
citing authors

#	ARTICLE	IF	CITATIONS
1	Total Synthesis of a Functional Designer Eukaryotic Chromosome. <i>Science</i> , 2014, 344, 55-58.	12.6	486
2	Design of a synthetic yeast genome. <i>Science</i> , 2017, 355, 1040-1044.	12.6	464
3	Synthetic chromosome arms function in yeast and generate phenotypic diversity by design. <i>Nature</i> , 2011, 477, 471-476.	27.8	398
4	Synthesis, debugging, and effects of synthetic chromosome consolidation: synVI and beyond. <i>Science</i> , 2017, 355, .	12.6	184
5	Bug mapping and fitness testing of chemically synthesized chromosome X. <i>Science</i> , 2017, 355, .	12.6	173
6	Engineering the ribosomal DNA in a megabase synthetic chromosome. <i>Science</i> , 2017, 355, .	12.6	169
7	Deep functional analysis of synII, a 770-kilobase synthetic yeast chromosome. <i>Science</i> , 2017, 355, .	12.6	163
8	GeneDesign: Rapid, automated design of multikilobase synthetic genes. <i>Genome Research</i> , 2006, 16, 550-556.	5.5	125
9	GeneDesign 3.0 is an updated synthetic biology toolkit. <i>Nucleic Acids Research</i> , 2010, 38, 2603-2606.	14.5	59
10	Teaching Synthetic Biology, Bioinformatics and Engineering to Undergraduates: The Interdisciplinary Build-a-Genome Course. <i>Genetics</i> , 2009, 181, 13-21.	2.9	55
11	Assembling Large DNA Segments in Yeast. <i>Methods in Molecular Biology</i> , 2012, 852, 133-150.	0.9	34
12	Endoribonuclease-Based Two-Component Repressor Systems for Tight Gene Expression Control in Plants. <i>ACS Synthetic Biology</i> , 2017, 6, 806-816.	3.8	15
13	Assembling DNA Fragments by USER Fusion. <i>Methods in Molecular Biology</i> , 2012, 852, 77-95.	0.9	15
14	Novel Transcript Truncating Function of Rap1p Revealed by Synthetic Codon-Optimized Ty1 Retrotransposon. <i>Genetics</i> , 2012, 190, 523-535.	2.9	13
15	Design-A-Gene with GeneDesign. <i>Methods in Molecular Biology</i> , 2012, 852, 235-247.	0.9	9
16	CLONEQC: lightweight sequence verification for synthetic biology. <i>Nucleic Acids Research</i> , 2010, 38, 2617-2623.	14.5	8
17	Automated Design of Assemblable, Modular, Synthetic Chromosomes. <i>Lecture Notes in Computer Science</i> , 2010, , 280-289.	1.3	3