Aleksandra Nivina

List of Publications by Year
in descending order

15	487	933447 10	1125743 13
papers	citations	h-index	g-index

18	18	18	597
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evolution and Diversity of Assembly-Line Polyketide Synthases. Chemical Reviews, 2019, 119, 12524-12547.	47.7	178
2	The Integron: Adaptation On Demand. Microbiology Spectrum, 2015, 3, MDNA3-0019-2014.	3.0	95
3	Efficiency of integron cassette insertion in correct orientation is ensured by the interplay of the three unpaired features ofattCrecombination sites. Nucleic Acids Research, 2016, 44, 7792-7803.	14.5	38
4	Engineering of Chimeric Polyketide Synthases Using SYNZIP Docking Domains. ACS Chemical Biology, 2019, 14, 426-433.	3.4	31
5	Differences in Integron Cassette Excision Dynamics Shape a Trade-Off between Evolvability and Genetic Capacitance. MBio, 2017, 8, .	4.1	27
6	Unmasking the ancestral activity of integron integrases reveals a smooth evolutionary transition during functional innovation. Nature Communications, 2016, 7, 10937.	12.8	24
7	Dynamic stepwise opening of integron attC DNA hairpins by SSB prevents toxicity and ensures functionality. Nucleic Acids Research, 2017, 45, 10555-10563.	14.5	23
8	Structural heterogeneity ofattCintegron recombination sites revealed by optical tweezers. Nucleic Acids Research, 2019, 47, 1861-1870.	14.5	18
9	Structure-specific DNA recombination sites: Design, validation, and machine learningâ€“based refinement. Science Advances, 2020, 6, eaay2922.	10.3	17
10	GRINS: Genetic elements that recode assembly-line polyketide synthases and accelerate their diversification. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	13
11	Integron Identification in Bacterial Genomes and Cassette Recombination Assays. Methods in Molecular Biology, 2020, 2075, 189-208.	0.9	9
12	Primary and promiscuous functions coexist during evolutionary innovation through whole protein domain acquisitions. ELife, 2020, 9, .	6.0	7
13	Recoding of synonymous genes to expand evolutionary landscapes requires control of secondary structure affecting translation. Biotechnology and Bioengineering, 2018, 115, 184-191.	3.3	4
14	DNA Secondary Structure Formation in Bacterial Gene Capture Systems at Single-Molecule Resolution. Biophysical Journal, 2014, 106, 272a-273a.	0.5	0
15	Artificial intelligence and data science applied to bioengineering. AIMS Bioengineering, 2021, 8, 93-94.	1.1	0