

# Sergey Shmakov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10708482/publications.pdf>

Version: 2024-02-01

13  
papers

4,443  
citations

687363

13  
h-index

1125743

13  
g-index

17  
all docs

17  
docs citations

17  
times ranked

4132  
citing authors

#	ARTICLE	IF	CITATIONS
1	C2c2 is a single-component programmable RNA-guided RNA-targeting CRISPR effector. <i>Science</i> , 2016, 353, aaf5573.	12.6	1,647
2	Discovery and Functional Characterization of Diverse Class 2 CRISPR-Cas Systems. <i>Molecular Cell</i> , 2015, 60, 385-397.	9.7	971
3	Diversity and evolution of class 2 CRISPR-Cas systems. <i>Nature Reviews Microbiology</i> , 2017, 15, 169-182.	28.6	792
4	Cas13b Is a Type VI-B CRISPR-Associated RNA-Guided RNase Differentially Regulated by Accessory Proteins Csx27 and Csx28. <i>Molecular Cell</i> , 2017, 65, 618-630.e7.	9.7	445
5	Recruitment of CRISPR-Cas systems by Tn7-like transposons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7358-E7366.	7.1	210
6	Pervasive generation of oppositely oriented spacers during CRISPR adaptation. <i>Nucleic Acids Research</i> , 2014, 42, 5907-5916.	14.5	65
7	Phylogenomics of Cas4 family nucleases. <i>BMC Evolutionary Biology</i> , 2017, 17, 232.	3.2	61
8	Metagenomic Analysis of Bacterial Communities of Antarctic Surface Snow. <i>Frontiers in Microbiology</i> , 2016, 7, 398.	3.5	58
9	On the Origin of Reverse Transcriptase-Using CRISPR-Cas Systems and Their Hyperdiverse, Enigmatic Spacer Repertoires. <i>MBio</i> , 2017, 8, .	4.1	52
10	Altered stoichiometry of <i>Escherichia coli</i> Cascade complexes with shortened CRISPR RNA spacers are capable of interference and primed adaptation. <i>Nucleic Acids Research</i> , 2016, 44, 10849-10861.	14.5	37
11	Cargo Genes of Tn7-Like Transposons Comprise an Enormous Diversity of Defense Systems, Mobile Genetic Elements, and Antibiotic Resistance Genes. <i>MBio</i> , 2021, 12, e0293821.	4.1	34
12	Dynamics of <i>Escherichia coli</i> type I-E CRISPR spacers over 42,000 years. <i>Molecular Ecology</i> , 2017, 26, 2019-2026.	3.9	29
13	DNA targeting by <i>Clostridium cellulolyticum</i> CRISPR-Cas9 Type II-C system. <i>Nucleic Acids Research</i> , 2020, 48, 2026-2034.	14.5	20