

# Robert Rentzsch

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7627948/publications.pdf>

Version: 2024-02-01

16  
papers

1,818  
citations

759190

12  
h-index

1125717

13  
g-index

18  
all docs

18  
docs citations

18  
times ranked

2905  
citing authors

#	ARTICLE	IF	CITATIONS
1	DeePaC: predicting pathogenic potential of novel DNA with reverse-complement neural networks. <i>Bioinformatics</i> , 2020, 36, 81-89.	4.1	40
2	Predicting bacterial virulence factors – evaluation of machine learning and negative data strategies. <i>Briefings in Bioinformatics</i> , 2020, 21, 1596-1608.	6.5	14
3	PaPrBaG: A machine learning approach for the detection of novel pathogens from NGS data. <i>Scientific Reports</i> , 2017, 7, 39194.	3.3	51
4	Docking small peptides remains a great challenge: an assessment using AutoDock Vina. <i>Briefings in Bioinformatics</i> , 2015, 16, 1045-1056.	6.5	112
5	Gene3D: Multi-domain annotations for protein sequence and comparative genome analysis. <i>Nucleic Acids Research</i> , 2014, 42, D240-D245.	14.5	50
6	Protein function prediction using domain families. <i>BMC Bioinformatics</i> , 2013, 14, S5.	2.6	77
7	A large-scale evaluation of computational protein function prediction. <i>Nature Methods</i> , 2013, 10, 221-227.	19.0	789
8	Gene3D: a domain-based resource for comparative genomics, functional annotation and protein network analysis. <i>Nucleic Acids Research</i> , 2012, 40, D465-D471.	14.5	98
9	New functional families (FunFams) in CATH to improve the mapping of conserved functional sites to 3D structures. <i>Nucleic Acids Research</i> , 2012, 41, D490-D498.	14.5	188
10	Extending CATH: increasing coverage of the protein structure universe and linking structure with function. <i>Nucleic Acids Research</i> , 2011, 39, D420-D426.	14.5	126
11	GeMMA: functional subfamily classification within superfamilies of predicted protein structural domains. <i>Nucleic Acids Research</i> , 2010, 38, 720-737.	14.5	65
12	Protein function prediction – the power of multiplicity. <i>Trends in Biotechnology</i> , 2009, 27, 210-219.	9.3	106
13	Domain-Based and Family-Specific Sequence Identity Thresholds Increase the Levels of Reliable Protein Function Transfer. <i>Journal of Molecular Biology</i> , 2009, 387, 416-430.	4.2	98
14	After-school programmes. <i>Nature</i> , 2006, 440, 122-123.	27.8	0
15	Bird flu here to stay?. <i>Nature</i> , 0, , .	27.8	0
16	Bad blood. <i>Nature</i> , 0, , .	27.8	0