Dmitriy A Bolotin

List of Publications by Citations

27 papers	3,148 citations	20 h-index	28 g-index
28 ext. papers	4,580 ext. citations	13.9 avg, IF	4.69 L-index

#	Paper	IF	Citations
27	MiXCR: software for comprehensive adaptive immunity profiling. *Nature Methods*, **2015**, 12, 380-1	21.6	696
26	VDJtools: Unifying Post-analysis of T Cell Receptor Repertoires. *PLoS Computational Biology*, **2015**, 11, e1004503	5	282
25	Towards error-free profiling of immune repertoires. *Nature Methods*, **2014**, 11, 653-5	21.6	267
24	Age-related decrease in TCR repertoire diversity measured with deep and normalized sequence profiling. *Journal of Immunology*, **2014**, 192, 2689-98	5.3	249
23	Local fitness landscape of the green fluorescent protein. *Nature*, **2016**, 533, 397-401	50.4	232
22	tcR: an R package for T cell receptor repertoire advanced data analysis. *BMC Bioinformatics*, **2015**, 16, 175	3.6	156
21	MiTCR: software for T-cell receptor sequencing data analysis. *Nature Methods*, **2013**, 10, 813-4	21.6	138
20	High-throughput identification of antigen-specific TCRs by TCR gene capture. *Nature Medicine*, **2013**, 19, 1534-41	50.5	127
19	Antigen receptor repertoire profiling from RNA-seq data. *Nature Biotechnology*, **2017**, 35, 908-911	44.5	125
18	Next generation sequencing for TCR repertoire profiling: platform-specific features and correction algorithms. *European Journal of Immunology*, **2012**, 42, 3073-83	6.1	121
17	High-quality full-length immunoglobulin profiling with unique molecular barcoding. *Nature Protocols*, **2016**, 11, 1599-616	18.8	109
16	Preparing unbiased T-cell receptor and antibody cDNA libraries for the deep next generation sequencing profiling. *Frontiers in Immunology*, **2013**, 4, 456	8.4	104
15	Pairing of T-cell receptor chains via emulsion PCR. *European Journal of Immunology*, **2013**, 43, 2507-15	6.1	95
14	Dynamics of Individual T Cell Repertoires: From Cord Blood to Centenarians. *Journal of Immunology* , **2016**, 196, 5005-13	5.3	94
13	Distinctive properties of identical twinsUTCR repertoires revealed by high-throughput sequencing. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 5980-5	11.5	86
12	Quantitative profiling of immune repertoires for minor lymphocyte counts using unique molecular identifiers. *Journal of Immunology*, **2015**, 194, 6155-63	5.3	58
11	Quantitative tracking of T cell clones after haematopoietic stem cell transplantation. *EMBO Molecular Medicine*, **2011**, 3, 201-7	12	53

List of Publications

10	Mother and child T cell receptor repertoires: deep profiling study. *Frontiers in Immunology*, **2013**, 4, 463	8.4	36
9	Huge Overlap of Individual TCR Beta Repertoires. *Frontiers in Immunology*, **2013**, 4, 466	8.4	32
8	Comparative analysis of murine T-cell receptor repertoires. *Immunology*, **2018**, 153, 133-144	7.8	29
7	First autologous hematopoietic SCT for ankylosing spondylitis: a case report and clues to understanding the therapy. *Bone Marrow Transplantation*, **2012**, 47, 1479-81	4.4	20
6	Can we see PIP(3) and hydrogen peroxide with a single probe?. *Antioxidants and Redox Signaling*, **2012**, 17, 505-12	8.4	18
5	Redberry: a computer algebra system designed for tensor manipulation. *Journal of Physics: Conference Series*, **2015**, 608, 012060	0.3	7
4	Rhodobase, a meta-analytical tool for reconstructing gene regulatory networks in a model photosynthetic bacterium. *BioSystems*, **2011**, 103, 125-31	1.9	5
3	Reply to "Evaluation of immune repertoire inference methods from RNA-seq data". *Nature Biotechnology*, **2018**, 36, 1035-1036	44.5	4
2	Application of nonsense-mediated primer exclusion (NOPE) for preparation of unique molecular barcoded libraries. *BMC Genomics*, **2017**, 18, 440	4.5	2
1	Distinct organization of adaptive immunity in the long-lived rodent Spalax galili. *Nature Aging*, **2021**, 1, 179-189		1