Romain Rouet

List of Publications by Year
in descending order

28 papers	**2,083** citations	516681 **16** h-index	526264 **27** g-index
31 all docs	**31** docs citations	**31** times ranked	**3881** citing authors

#	Article	IF	Citations
1	I-motif DNA structures are formed in the nuclei of human cells. Nature Chemistry, 2018, 10, 631-637.	13.6	407
2	CRISPR-Cpf1 mediates efficient homology-directed repair and temperature-controlled genome editing. Nature Communications, 2017, 8, 2024.	12.8	232
3	Redemption of autoantibodies on anergic B cells by variable-region glycosylation and mutation away from self-reactivity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2567-75.	7.1	208
4	General strategy for the generation of human antibody variable domains with increased aggregation resistance. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10879-10884.	7.1	173
5	CAF hierarchy driven by pancreatic cancer cell p53-status creates a pro-metastatic and chemoresistant environment via perlecan. Nature Communications, 2019, 10, 3637.	12.8	170
6	Aggregation, stability, and formulation of human antibody therapeutics. Advances in Protein Chemistry and Structural Biology, 2011, 84, 41-61.	2.3	149
7	Receptor-Mediated Delivery of CRISPR-Cas9 Endonuclease for Cell-Type-Specific Gene Editing. Journal of the American Chemical Society, 2018, 140, 6596-6603.	13.7	127
8	Stability engineering of the human antibody repertoire. FEBS Letters, 2014, 588, 269-277.	2.8	108
9	Next-Generation Sequencing of Antibody Display Repertoires. Frontiers in Immunology, 2018, 9, 118.	4.8	70
10	Long-term persistence of RBD+ memory B cells encoding neutralizing antibodies in SARS-CoV-2 infection. Cell Reports Medicine, 2021, 2, 100228.	6.5	66
11	Fully Human VH Single Domains That Rival the Stability and Cleft Recognition of Camelid Antibodies. Journal of Biological Chemistry, 2015, 290, 11905-11917.	3.4	59
12	Expression of high-affinity human antibody fragments in bacteria. Nature Protocols, 2012, 7, 364-373.	12.0	57
13	Optimized CRISPR-Cpf1 system for genome editing in zebrafish. Methods, 2018, 150, 11-18.	3.8	38
14	Immunizations with diverse sarbecovirus receptor-binding domains elicit SARS-CoV-2 neutralizing antibodies against a conserved site of vulnerability. Immunity, 2021, 54, 2908-2921.e6.	14.3	35
15	Potent SARS-CoV-2 binding and neutralization through maturation of iconic SARS-CoV-1 antibodies. MAbs, 2021, 13, 1922134.	5.2	22
16	Structural basis for epitope masking and strain specificity of a conserved epitope in an intrinsically disordered malaria vaccine candidate. Scientific Reports, 2015, 5, 10103.	3.3	21
17	Bispecific antibodies with native chain structure. Nature Biotechnology, 2014, 32, 136-137.	17.5	18
18	Efficient Intracellular Delivery of CRISPR-Cas Ribonucleoproteins through Receptor Mediated Endocytosis. ACS Chemical Biology, 2019, 14, 554-561.	3.4	16

#	Article	IF	Citations
19	Selection of Human VH Single Domains with Improved Biophysical Properties by Phage Display. , 2012, 911, 383-397.		14
20	Rapid prediction of expression and refolding yields using phage display. Protein Engineering, Design and Selection, 2013, 26, 671-674.	2.1	14
21	Generation of Human Single Domain Antibody Repertoires by Kunkel Mutagenesis. Methods in Molecular Biology, 2012, 907, 195-209.	0.9	13
22	Structural reconstruction of protein ancestry. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3897-3902.	7.1	12
23	Engineering CRISPR-Cas9 RNAâ€"Protein Complexes for Improved Function and Delivery. CRISPR Journal, 2018, 1, 367-378.	2.9	11
24	NSG-Pro mouse model for uncovering resistance mechanisms and unique vulnerabilities in human luminal breast cancers. Science Advances, 2021, 7, eabc8145.	10.3	10
25	Structure and Characterisation of a Key Epitope in the Conserved C-Terminal Domain of the Malaria Vaccine Candidate MSP2. Journal of Molecular Biology, 2017, 429, 836-846.	4.2	6
26	Human Antibody Bispecifics through Phage Display Selection. Biochemistry, 2019, 58, 1701-1704.	2.5	6
27	Expression of IgG Monoclonals with Engineered Immune Effector Functions. Methods in Molecular Biology, 2018, 1827, 313-334.	0.9	4
28	Identification of aggregation inhibitors of the human antibody light chain repertoire by phage display. Protein Engineering, Design and Selection, 2014, 27, 405-409.	2.1	2