

# Ivelin S Georgiev

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

6,001  
citations

257450  
24  
h-index

276875  
41  
g-index

44  
all docs

44  
docs citations

44  
times ranked

5542  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequence and functional characterization of a public HIV-specific antibody clonotype. IScience, 2022, 25, 103564.	4.1	1
2	Efficient discovery of SARS-CoV-2-neutralizing antibodies via B cell receptor sequencing and ligand blocking. Nature Biotechnology, 2022, 40, 1270-1275.	17.5	27
3	High-Throughput B Cell Epitope Determination by Next-Generation Sequencing. Frontiers in Immunology, 2022, 13, 855772.	4.8	7
4	An antibody targeting the N-terminal domain of SARS-CoV-2 disrupts the spike trimer. Journal of Clinical Investigation, 2022, 132, .	8.2	14
5	Single-cell profiling of the antigen-specific response to BNT162b2 SARS-CoV-2 RNA vaccine. Nature Communications, 2022, 13, .	12.8	28
6	B cell engagement with HIV-1 founder virus envelope predicts development of broadly neutralizing antibodies. Cell Host and Microbe, 2021, 29, 564-578.e9.	11.0	18
7	Cross-reactive coronavirus antibodies with diverse epitope specificities and Fc effector functions. Cell Reports Medicine, 2021, 2, 100313.	6.5	56
8	Elicitation of Neutralizing Antibody Responses to HIV-1 Immunization with Nanoparticle Vaccine Platforms. Viruses, 2021, 13, 1296.	3.3	3
9	Simultaneous Immunization with Multiple Diverse Immunogens Alters Development of Antigen-Specific Antibody-Mediated Immunity. Vaccines, 2021, 9, 964.	4.4	2
10	Potent neutralization of SARS-CoV-2 variants of concern by an antibody with an uncommon genetic signature and structural mode of spike recognition. Cell Reports, 2021, 37, 109784.	6.4	20
11	Polyclonal Broadly Neutralizing Antibody Activity Characterized by CD4 Binding Site and V3-Glycan Antibodies in a Subset of HIV-1 Virus Controllers. Frontiers in Immunology, 2021, 12, 670561.	4.8	3
12	Longitudinal Antibody Responses in People Who Inject Drugs Infected With Similar Human Immunodeficiency Virus Strains. Journal of Infectious Diseases, 2020, 221, 756-765.	4.0	2
13	Spontaneous Glycan Reattachment Following N-Glycanase Treatment of Influenza and HIV Vaccine Antigens. Journal of Proteome Research, 2020, 19, 733-743.	3.7	5
14	Human antibodies neutralize enterovirus D68 and protect against infection and paralytic disease. Science Immunology, 2020, 5, .	11.9	32
15	Envelope characteristics in individuals who developed neutralizing antibodies targeting different epitopes in HIV-1 subtype C infection. Virology, 2020, 546, 1-12.	2.4	5
16	Potent Zika and dengue cross-neutralizing antibodies induced by Zika vaccination in a dengue-experienced donor. Nature Medicine, 2020, 26, 228-235.	30.7	61
17	RV144 HIV-1 vaccination impacts post-infection antibody responses. PLoS Pathogens, 2020, 16, e1009101.	4.7	13
18	Broad and Potent Neutralizing Antibodies Recognize the Silent Face of the HIV Envelope. Immunity, 2019, 50, 1513-1529.e9.	14.3	85

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19	Longitudinal Analysis Reveals Early Development of Three MPER-Directed Neutralizing Antibody Lineages from an HIV-1-Infected Individual. <i>Immunity</i> , 2019, 50, 677-691.e13.	14.3	77
20	Prediction of VRC01 neutralization sensitivity by HIV-1 gp160 sequence features. <i>PLoS Computational Biology</i> , 2019, 15, e1006952.	3.2	25
21	NFPws: a web server for delineating broadly neutralizing antibody specificities from serum HIV-1 neutralization data. <i>Bioinformatics</i> , 2019, 35, 3502-3504.	4.1	5
22	High-Throughput Mapping of B Cell Receptor Sequences to Antigen Specificity. <i>Cell</i> , 2019, 179, 1636-1646.e15.	28.9	219
23	A Neutralizing Antibody Recognizing Primarily N-Linked Glycan Targets the Silent Face of the HIV Envelope. <i>Immunity</i> , 2018, 48, 500-513.e6.	14.3	66
24	Epitope-based vaccine design yields fusion peptide-directed antibodies that neutralize diverse strains of HIV-1. <i>Nature Medicine</i> , 2018, 24, 857-867.	30.7	256
25	Multi-Donor Longitudinal Antibody Repertoire Sequencing Reveals the Existence of Public Antibody Clonotypes in HIV-1 Infection. <i>Cell Host and Microbe</i> , 2018, 23, 845-854.e6.	11.0	100
26	Antibodyomics: bioinformatics technologies for understanding B cell immunity to HIV-1. <i>Immunological Reviews</i> , 2017, 275, 108-128.	6.0	32
27	Virus-like Particles Identify an HIV V1V2 Apex-Binding Neutralizing Antibody that Lacks a Protruding Loop. <i>Immunity</i> , 2017, 46, 777-791.e10.	14.3	81
28	Antibacterial photosensitization through activation of coproporphyrinogen oxidase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6652-E6659.	7.1	18
29	Mapping Polyclonal HIV-1 Antibody Responses via Next-Generation Neutralization Fingerprinting. <i>PLoS Pathogens</i> , 2017, 13, e1006148.	4.7	51
30	Trimeric HIV-1-Env Structures Define Glycan Shields from Clades A, B, and G. <i>Cell</i> , 2016, 165, 813-826.	28.9	379
31	Fusion peptide of HIV-1 as a site of vulnerability to neutralizing antibody. <i>Science</i> , 2016, 352, 828-833.	12.6	310
32	Vaccine-Induced Antibodies that Neutralize Group 1 and Group 2 Influenza A Viruses. <i>Cell</i> , 2016, 166, 609-623.	28.9	270
33	Identification of a CD4-Binding-Site Antibody to HIV that Evolved Near-Pan Neutralization Breadth. <i>Immunity</i> , 2016, 45, 1108-1121.	14.3	304
34	Maturation Pathway from Germline to Broad HIV-1 Neutralizer of a CD4-Mimic Antibody. <i>Cell</i> , 2016, 165, 449-463.	28.9	305
35	Structural Repertoire of HIV-1-Neutralizing Antibodies Targeting the CD4 Supersite in 14 Donors. <i>Cell</i> , 2015, 161, 1280-1292.	28.9	305
36	Developmental pathway for potent V1V2-directed HIV-neutralizing antibodies. <i>Nature</i> , 2014, 509, 55-62.	27.8	681

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37	Structure and immune recognition of trimeric pre-fusion HIV-1 Env. Nature, 2014, 514, 455-461.	27.8	702
38	Broad and potent HIV-1 neutralization by a human antibody that binds the gp41â€“gp120 interface. Nature, 2014, 515, 138-142.	27.8	400
39	Delineating Antibody Recognition in Polyclonal Sera from Patterns of HIV-1 Isolate Neutralization. Science, 2013, 340, 751-756.	12.6	213
40	Elicitation of HIV-1-neutralizing antibodies against the CD4-binding site. Current Opinion in HIV and AIDS, 2013, 8, 382-392.	3.8	27
41	Focused Evolution of HIV-1 Neutralizing Antibodies Revealed by Structures and Deep Sequencing. Science, 2011, 333, 1593-1602.	12.6	788