Marzena Pazgier

List of Publications by Year in Descending Order

76 papers	2,312 citations	27 h-index	47 g-index
86 ext. papers	3,026 ext. citations	8.6 avg, IF	4.51 L-index

#	Paper	IF	Citations
76	A Fc-enhanced NTD-binding non-neutralizing antibody delays virus spread and synergizes with a nAb to protect mice from lethal SARS-CoV-2 infection.. *Cell Reports*, **2022**, 110368	10.6	10
75	Nebulized delivery of a broadly neutralizing SARS-CoV-2 RBD-specific nanobody prevents clinical, virological, and pathological disease in a Syrian hamster model of COVID-19.. *MAbs*, **2022**, 14, 2047144	6.6	1
74	Bma-LAD-2, an Intestinal Cell Adhesion Protein, as a Potential Therapeutic Target for Lymphatic Filariasis.. *MBio*, **2022**, e0374221	7.8	
73	Structure and Fc-Effector Function of Rhesusized Variants of Human Anti-HIV-1 IgG1s.. *Frontiers in Immunology*, **2021**, 12, 787603	8.4	
72	Nebulized delivery of a broadly neutralizing SARS-CoV-2 RBD-specific nanobody prevents clinical, virological and pathological disease in a Syrian hamster model of COVID-19 **2021**,		2
71	Structural basis and mode of action for two broadly neutralizing antibodies against SARS-CoV-2 emerging variants of concern.. *Cell Reports*, **2021**, 110210	10.6	26
70	HIV-1 Envelope Glycoprotein Cell Surface Localization Is Associated with Antibody-Induced Internalization. *Viruses*, **2021**, 13,	6.2	1
69	Live Imaging of SARS-CoV-2 Infection in Mice Reveals Neutralizing Antibodies Require Fc Function for Optimal Efficacy **2021**,		10
68	Modulating HIV-1 envelope glycoprotein conformation to decrease the HIV-1 reservoir. *Cell Host and Microbe*, **2021**, 29, 904-916.e6	23.4	6
67	Near-Pan-neutralizing, Plasma Deconvoluted Antibody N49P6 Mimics Host Receptor CD4 in Its Quaternary Interactions with the HIV-1 Envelope Trimer. *MBio*, **2021**, 12, e0127421	7.8	1
66	Enhanced Ability of Plant-Derived PGT121 Glycovariants To Eliminate HIV-1-Infected Cells. *Journal of Virology*, **2021**, 95, e0079621	6.6	1
65	Structural Basis and Mode of Action for Two Broadly Neutralizing Antibodies Against SARS-CoV-2 Emerging Variants of Concern **2021**,		5
64	Design of ultrahigh-affinity and dual-specificity peptide antagonists of MDM2 and MDMX for P53 activation and tumor suppression. *Acta Pharmaceutica Sinica B*, **2021**, 11, 2655-2669	15.5	3
63	Across Functional Boundaries: Making Nonneutralizing Antibodies To Neutralize HIV-1 and Mediate Fc-Mediated Effector Killing of Infected Cells. *MBio*, **2021**, 12, e0140521	7.8	1
62	Live imaging of SARS-CoV-2 infection in mice reveals that neutralizing antibodies require Fc function for optimal efficacy. *Immunity*, **2021**, 54, 2143-2158.e15	32.3	37
61	Impact of temperature on the affinity of SARS-CoV-2 Spike glycoprotein for host ACE2. *Journal of Biological Chemistry*, **2021**, 297, 101151	5.4	12
60	Elicitation of Cluster A and Co-Receptor Binding Site Antibodies are Required to Eliminate HIV-1 Infected Cells. *Microorganisms*, **2020**, 8,	4.9	3

59	The HIV-1 Env gp120 Inner Domain Shapes the Phe43 Cavity and the CD4 Binding Site. *MBio*, **2020**, 11,	7.8	14
58	Boosting with AIDSVAX B/E Enhances Env Constant Region 1 and 2 Antibody-Dependent Cellular Cytotoxicity Breadth and Potency. *Journal of Virology*, **2020**, 94,	6.6	13
57	Optimization of Small Molecules That Sensitize HIV-1 Infected Cells to Antibody-Dependent Cellular Cytotoxicity. *ACS Medicinal Chemistry Letters*, **2020**, 11, 371-378	4.3	4
56	Interaction of Human ACE2 to Membrane-Bound SARS-CoV-1 and SARS-CoV-2 S Glycoproteins. *Viruses*, **2020**, 12,	6.2	17
55	Defining rules governing recognition and Fc-mediated effector functions to the HIV-1 co-receptor binding site. *BMC Biology*, **2020**, 18, 91	7.3	7
54	Antigen-Induced Allosteric Changes in a Human IgG1 Fc Increase Low-Affinity Fc□Receptor Binding. *Structure*, **2020**, 28, 516-527.e5	5.2	9
53	Recognition Patterns of the C1/C2 Epitopes Involved in Fc-Mediated Response in HIV-1 Natural Infection and the RV114 Vaccine Trial. *MBio*, **2020**, 11,	7.8	2
52	Stabilizing the HIV-1 envelope glycoprotein State 2A conformation. *Journal of Virology*, **2020**,	6.6	4
51	CD4 Incorporation into HIV-1 Viral Particles Exposes Envelope Epitopes Recognized by CD4-Induced Antibodies. *Journal of Virology*, **2019**, 93,	6.6	15
50	A New Family of Small-Molecule CD4-Mimetic Compounds Contacts Highly Conserved Aspartic Acid 368 of HIV-1 gp120 and Mediates Antibody-Dependent Cellular Cytotoxicity. *Journal of Virology*, **2019**, 93,	6.6	11
49	Stoichiometric Analyses of Soluble CD4 to Native-like HIV-1 Envelope by Single-Molecule Fluorescence Spectroscopy. *Cell Reports*, **2019**, 29, 176-186.e4	10.6	4
48	Systematic mutational analysis of human neutrophil □defensin HNP4. *Biochimica Et Biophysica Acta - Biomembranes*, **2019**, 1861, 835-844	3.8	4
47	Structural Basis for Epitopes in the gp120 Cluster A Region that Invokes Potent Effector Cell Activity. *Viruses*, **2019**, 11,	6.2	15
46	Antibody-Induced Internalization of HIV-1 Env Proteins Limits Surface Expression of the Closed Conformation of Env. *Journal of Virology*, **2019**, 93,	6.6	23
45	CD4- and Time-Dependent Susceptibility of HIV-1-Infected Cells to Antibody-Dependent Cellular Cytotoxicity. *Journal of Virology*, **2019**, 93,	6.6	9
44	An Asymmetric Opening of HIV-1 Envelope Mediates Antibody-Dependent Cellular Cytotoxicity. *Cell Host and Microbe*, **2019**, 25, 578-587.e5	23.4	59
43	From Rhesus macaque to human: structural evolutionary pathways for immunoglobulin G subclasses. *MAbs*, **2019**, 11, 709-724	6.6	7
42	The HIV-1 Antisense Protein ASP Is a Transmembrane Protein of the Cell Surface and an Integral Protein of the Viral Envelope. *Journal of Virology*, **2019**, 93,	6.6	12

41	Concurrent Exposure of Neutralizing and Non-neutralizing Epitopes on a Single HIV-1 Envelope Structure. *Frontiers in Immunology*, **2019**, 10, 1512	8.4	2
40	Induction of Fc-Mediated Effector Functions Against a Stabilized Inner Domain of HIV-1 gp120 Designed to Selectively Harbor the A32 Epitope Region. *Frontiers in Immunology*, **2019**, 10, 677	8.4	3
39	Impact of HIV-1 viremia or sexually transmitted infection on semen-derived anti-HIV-1 antibodies and the immunosuppressive capacity of seminal plasma. *European Journal of Immunology*, **2019**, 49, 2255-2258	6.1	1
38	Antibody-Dependent Cellular Cytotoxicity-Competent Antibodies against HIV-1-Infected Cells in Plasma from HIV-Infected Subjects. *MBio*, **2019**, 10,	7.8	10
37	Two Families of Env Antibodies Efficiently Engage Fc-Gamma Receptors and Eliminate HIV-1-Infected Cells. *Journal of Virology*, **2019**, 93,	6.6	32
36	Identification of Near-Pan-neutralizing Antibodies against HIV-1 by Deconvolution of Plasma Humoral Responses. *Cell*, **2018**, 173, 1783-1795.e14	56.2	47
35	Human Enteric Defensin 5 Promotes Shigella Infection by Enhancing Bacterial Adhesion and Invasion. *Immunity*, **2018**, 48, 1233-1244.e6	32.3	34
34	Survivors Remorse: antibody-mediated protection against HIV-1. *Immunological Reviews*, **2017**, 275, 271-284	11.3	23
33	Beyond Viral Neutralization. *AIDS Research and Human Retroviruses*, **2017**, 33, 760-764	1.6	24
32	Targeting the Late Stage of HIV-1 Entry for Antibody-Dependent Cellular Cytotoxicity: Structural Basis for Env Epitopes in the C11 Region. *Structure*, **2017**, 25, 1719-1731.e4	5.2	26
31	Light Chain Bias Associated With Enhanced Binding and Function of Anti-HIV Env Glycoprotein Antibodies. *Journal of Infectious Diseases*, **2016**, 213, 156-64	7	9
30	Full Length Single Chain Fc Protein (FLSC IgG1) as a Potent Antiviral Therapy Candidate: Implications for In Vivo Studies. *AIDS Research and Human Retroviruses*, **2016**, 32, 178-86	1.6	2
29	Co-receptor Binding Site Antibodies Enable CD4-Mimetics to Expose Conserved Anti-cluster A ADCC Epitopes on HIV-1 Envelope Glycoproteins. *EBioMedicine*, **2016**, 12, 208-218	8.8	45
28	Molecular basis for epitope recognition by non-neutralizing anti-gp41 antibody F240. *Scientific Reports*, **2016**, 6, 36685	4.9	18
27	A Highly Conserved Residue of the HIV-1 gp120 Inner Domain Is Important for Antibody-Dependent Cellular Cytotoxicity Responses Mediated by Anti-cluster A Antibodies. *Journal of Virology*, **2016**, 90, 2127-34	6.6	53
26	Role of HIV-1 Envelope Glycoproteins Conformation and Accessory Proteins on ADCC Responses. *Current HIV Research*, **2016**, 14, 9-23	1.3	33
25	Paring Down HIV Env: Design and Crystal Structure of a Stabilized Inner Domain of HIV-1 gp120 Displaying a Major ADCC Target of the A32 Region. *Structure*, **2016**, 24, 697-709	5.2	35
24	Human defensin 4 - defensin without the "twist". *Postepy Biochemii*, **2016**, 62, 349-361	0	8

23	Cocrystal Structures of Antibody N60-i3 and Antibody JR4 in Complex with gp120 Define More Cluster A Epitopes Involved in Effective Antibody-Dependent Effector Function against HIV-1. *Journal of Virology*, **2015**, 89, 8840-54	6.6	44
22	CD4 mimetics sensitize HIV-1-infected cells to ADCC. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E2687-94	11.5	89
21	Conformational Masking and Receptor-Dependent Unmasking of Highly Conserved Env Epitopes Recognized by Non-Neutralizing Antibodies That Mediate Potent ADCC against HIV-1. *Viruses*, **2015** , 7, 5115-32	6.2	37
20	Design of a potent antibiotic peptide based on the active region of human defensin 5. *Journal of Medicinal Chemistry*, **2015**, 58, 3083-93	8.3	33
19	Structural definition of an antibody-dependent cellular cytotoxicity response implicated in reduced risk for HIV-1 infection. *Journal of Virology*, **2014**, 88, 12895-906	6.6	82
18	Epitope target structures of Fc-mediated effector function during HIV-1 acquisition. *Current Opinion in HIV and AIDS*, **2014**, 9, 263-70	4.2	28
17	Structural and functional analysis of the pro-domain of human cathelicidin, LL-37. *Biochemistry*, **2013**, 52, 1547-58	3.2	27
16	Turning defense into offense: defensin mimetics as novel antibiotics targeting lipid II. *PLoS Pathogens*, **2013**, 9, e1003732	7.6	41
15	Diverse specificity and effector function among human antibodies to HIV-1 envelope glycoprotein epitopes exposed by CD4 binding. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E69-78	11.5	119
14	Epitope specificity of human immunodeficiency virus-1 antibody dependent cellular cytotoxicity [ADCC] responses. *Current HIV Research*, **2013**, 11, 378-87	1.3	69
13	Human -defensin 6 promotes mucosal innate immunity through self-assembled peptide nanonets. *Science*, **2012**, 337, 477-81	33.3	273
12	Invariant gly residue is important for -defensin folding, dimerization, and function: a case study of the human neutrophil -defensin HNP1. *Journal of Biological Chemistry*, **2012**, 287, 18900-12	5.4	23
11	Sometimes it takes two to tango: contributions of dimerization to functions of human -defensin HNP1 peptide. *Journal of Biological Chemistry*, **2012**, 287, 8944-53	5.4	39
10	Functional determinants of human enteric -defensin HD5: crucial role for hydrophobicity at dimer interface. *Journal of Biological Chemistry*, **2012**, 287, 21615-27	5.4	57
9	Trp-26 imparts functional versatility to human alpha-defensin HNP1. *Journal of Biological Chemistry*, **2010**, 285, 16275-85	5.4	50
8	A Left-Handed Solution to Peptide Inhibition of the p53MDM2 Interaction. *Angewandte Chemie*, **2010**, 122, 3731-3734	3.6	5
7	Through the looking glass, mechanistic insights from enantiomeric human defensins. *Journal of Biological Chemistry*, **2009**, 284, 29180-92	5.4	84
6	Apamin as a Template for Structure-Based Rational Design of Potent Peptide Activators of p53. *Angewandte Chemie*, **2009**, 121, 8868-8871	3.6	15

5	Structural basis for high-affinity peptide inhibition of p53 interactions with MDM2 and MDMX. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 4665-70	11.5	275
4	The conserved salt bridge in human alpha-defensin 5 is required for its precursor processing and proteolytic stability. *Journal of Biological Chemistry*, **2008**, 283, 21509-18	5.4	48
3	Toward understanding the cationicity of defensins. Arg and Lys versus their noncoded analogs. *Journal of Biological Chemistry*, **2007**, 282, 19653-65	5.4	111
2	Boosting with ALVAC-HIV and AIDSVAX B/E enhances Env constant region 1 and 2 antibody-dependent cellular cytotoxicity		1
1	An anti-SARS-CoV-2 non-neutralizing antibody with Fc-effector function defines a new NTD epitope and delays neuroinvasion and death in K18-hACE2 mice		4