

Marzena Pazgier

List of Publications by Citations

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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	Structural basis for high-affinity peptide inhibition of p53 interactions with MDM2 and MDMX. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 4665-70	11.5	275
75	Human α -defensin 6 promotes mucosal innate immunity through self-assembled peptide nanonets. <i>Science</i> , 2012 , 337, 477-81	33.3	273
74	Diverse specificity and effector function among human antibodies to HIV-1 envelope glycoprotein epitopes exposed by CD4 binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E69-78	11.5	119
73	Toward understanding the cationicity of defensins. Arg and Lys versus their noncoded analogs. <i>Journal of Biological Chemistry</i> , 2007 , 282, 19653-65	5.4	111
72	CD4 mimetics sensitize HIV-1-infected cells to ADCC. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E2687-94	11.5	89
71	Through the looking glass, mechanistic insights from enantiomeric human defensins. <i>Journal of Biological Chemistry</i> , 2009 , 284, 29180-92	5.4	84
70	Structural definition of an antibody-dependent cellular cytotoxicity response implicated in reduced risk for HIV-1 infection. <i>Journal of Virology</i> , 2014 , 88, 12895-906	6.6	82
69	Epitope specificity of human immunodeficiency virus-1 antibody dependent cellular cytotoxicity [ADCC] responses. <i>Current HIV Research</i> , 2013 , 11, 378-87	1.3	69
68	An Asymmetric Opening of HIV-1 Envelope Mediates Antibody-Dependent Cellular Cytotoxicity. <i>Cell Host and Microbe</i> , 2019 , 25, 578-587.e5	23.4	59
67	Functional determinants of human enteric α -defensin HD5: crucial role for hydrophobicity at dimer interface. <i>Journal of Biological Chemistry</i> , 2012 , 287, 21615-27	5.4	57
66	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. <i>Journal of Virology</i> , 2016 , 90, 2127-34	6.6	53
65	Trp-26 imparts functional versatility to human alpha-defensin HNP1. <i>Journal of Biological Chemistry</i> , 2010 , 285, 16275-85	5.4	50
64	The conserved salt bridge in human alpha-defensin 5 is required for its precursor processing and proteolytic stability. <i>Journal of Biological Chemistry</i> , 2008 , 283, 21509-18	5.4	48
63	Identification of Near-Pan-neutralizing Antibodies against HIV-1 by Deconvolution of Plasma Humoral Responses. <i>Cell</i> , 2018 , 173, 1783-1795.e14	56.2	47
62	Co-receptor Binding Site Antibodies Enable CD4-Mimetics to Expose Conserved Anti-cluster A ADCC Epitopes on HIV-1 Envelope Glycoproteins. <i>EBioMedicine</i> , 2016 , 12, 208-218	8.8	45
61	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. <i>Journal of Virology</i> , 2015 , 89, 8840-54	6.6	44
60	Turning defense into offense: defensin mimetics as novel antibiotics targeting lipid II. <i>PLoS Pathogens</i> , 2013 , 9, e1003732	7.6	41

59	Sometimes it takes two to tango: contributions of dimerization to functions of human α -defensin HNP1 peptide. <i>Journal of Biological Chemistry</i> , 2012 , 287, 8944-53	5-4	39
58	Conformational Masking and Receptor-Dependent Unmasking of Highly Conserved Env Epitopes Recognized by Non-Neutralizing Antibodies That Mediate Potent ADCC against HIV-1. <i>Viruses</i> , 2015 , 7, 5115-32	6.2	37
57	Live imaging of SARS-CoV-2 infection in mice reveals that neutralizing antibodies require Fc function for optimal efficacy. <i>Immunity</i> , 2021 , 54, 2143-2158.e15	32-3	37
56	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. <i>Structure</i> , 2016 , 24, 697-709	5-2	35
55	Human Enteric α -Defensin 5 Promotes Shigella Infection by Enhancing Bacterial Adhesion and Invasion. <i>Immunity</i> , 2018 , 48, 1233-1244.e6	32-3	34
54	Design of a potent antibiotic peptide based on the active region of human defensin 5. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 3083-93	8-3	33
53	Role of HIV-1 Envelope Glycoproteins Conformation and Accessory Proteins on ADCC Responses. <i>Current HIV Research</i> , 2016 , 14, 9-23	1-3	33
52	Two Families of Env Antibodies Efficiently Engage Fc-Gamma Receptors and Eliminate HIV-1-Infected Cells. <i>Journal of Virology</i> , 2019 , 93,	6.6	32
51	Epitope target structures of Fc-mediated effector function during HIV-1 acquisition. <i>Current Opinion in HIV and AIDS</i> , 2014 , 9, 263-70	4-2	28
50	Structural and functional analysis of the pro-domain of human cathelicidin, LL-37. <i>Biochemistry</i> , 2013 , 52, 1547-58	3-2	27
49	Targeting the Late Stage of HIV-1 Entry for Antibody-Dependent Cellular Cytotoxicity: Structural Basis for Env Epitopes in the C11 Region. <i>Structure</i> , 2017 , 25, 1719-1731.e4	5-2	26
48	Structural basis and mode of action for two broadly neutralizing antibodies against SARS-CoV-2 emerging variants of concern.. <i>Cell Reports</i> , 2021 , 110210	10.6	26
47	Beyond Viral Neutralization. <i>AIDS Research and Human Retroviruses</i> , 2017 , 33, 760-764	1.6	24
46	Survivors Remorse: antibody-mediated protection against HIV-1. <i>Immunological Reviews</i> , 2017 , 275, 271-284	2.4	23
45	Antibody-Induced Internalization of HIV-1 Env Proteins Limits Surface Expression of the Closed Conformation of Env. <i>Journal of Virology</i> , 2019 , 93,	6.6	23
44	Invariant gly residue is important for α -defensin folding, dimerization, and function: a case study of the human neutrophil α -defensin HNP1. <i>Journal of Biological Chemistry</i> , 2012 , 287, 18900-12	5-4	23
43	Molecular basis for epitope recognition by non-neutralizing anti-gp41 antibody F240. <i>Scientific Reports</i> , 2016 , 6, 36685	4-9	18
42	Interaction of Human ACE2 to Membrane-Bound SARS-CoV-1 and SARS-CoV-2 S Glycoproteins. <i>Viruses</i> , 2020 , 12,	6.2	17

41	CD4 Incorporation into HIV-1 Viral Particles Exposes Envelope Epitopes Recognized by CD4-Induced Antibodies. <i>Journal of Virology</i> , 2019 , 93,	6.6	15
40	Structural Basis for Epitopes in the gp120 Cluster A Region that Invokes Potent Effector Cell Activity. <i>Viruses</i> , 2019 , 11,	6.2	15
39	Apamin as a Template for Structure-Based Rational Design of Potent Peptide Activators of p53. <i>Angewandte Chemie</i> , 2009 , 121, 8868-8871	3.6	15
38	The HIV-1 Env gp120 Inner Domain Shapes the Phe43 Cavity and the CD4 Binding Site. <i>MBio</i> , 2020 , 11,	7.8	14
37	Boosting with AIDSVAX B/E Enhances Env Constant Region 1 and 2 Antibody-Dependent Cellular Cytotoxicity Breadth and Potency. <i>Journal of Virology</i> , 2020 , 94,	6.6	13
36	The HIV-1 Antisense Protein ASP Is a Transmembrane Protein of the Cell Surface and an Integral Protein of the Viral Envelope. <i>Journal of Virology</i> , 2019 , 93,	6.6	12
35	Impact of temperature on the affinity of SARS-CoV-2 Spike glycoprotein for host ACE2. <i>Journal of Biological Chemistry</i> , 2021 , 297, 101151	5.4	12
34	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. <i>Journal of Virology</i> , 2019 , 93,	6.6	11
33	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.. <i>Cell Reports</i> , 2022 , 110368	10.6	10
32	Live Imaging of SARS-CoV-2 Infection in Mice Reveals Neutralizing Antibodies Require Fc Function for Optimal Efficacy 2021 ,		10
31	Antibody-Dependent Cellular Cytotoxicity-Competent Antibodies against HIV-1-Infected Cells in Plasma from HIV-Infected Subjects. <i>MBio</i> , 2019 , 10,	7.8	10
30	Light Chain Bias Associated With Enhanced Binding and Function of Anti-HIV Env Glycoprotein Antibodies. <i>Journal of Infectious Diseases</i> , 2016 , 213, 156-64	7	9
29	CD4- and Time-Dependent Susceptibility of HIV-1-Infected Cells to Antibody-Dependent Cellular Cytotoxicity. <i>Journal of Virology</i> , 2019 , 93,	6.6	9
28	Antigen-Induced Allosteric Changes in a Human IgG1 Fc Increase Low-Affinity Fc Receptor Binding. <i>Structure</i> , 2020 , 28, 516-527.e5	5.2	9
27	Human Defensin 4 - defensin without the "twist". <i>Postepy Biochemii</i> , 2016 , 62, 349-361	0	8
26	From Rhesus macaque to human: structural evolutionary pathways for immunoglobulin G subclasses. <i>MABs</i> , 2019 , 11, 709-724	6.6	7
25	Defining rules governing recognition and Fc-mediated effector functions to the HIV-1 co-receptor binding site. <i>BMC Biology</i> , 2020 , 18, 91	7.3	7
24	Modulating HIV-1 envelope glycoprotein conformation to decrease the HIV-1 reservoir. <i>Cell Host and Microbe</i> , 2021 , 29, 904-916.e6	23.4	6

23	A Left-Handed Solution to Peptide Inhibition of the p53-MDM2 Interaction. <i>Angewandte Chemie</i> , 2010 , 122, 3731-3734	3.6	5
22	Structural Basis and Mode of Action for Two Broadly Neutralizing Antibodies Against SARS-CoV-2 Emerging Variants of Concern 2021 ,		5
21	Stoichiometric Analyses of Soluble CD4 to Native-like HIV-1 Envelope by Single-Molecule Fluorescence Spectroscopy. <i>Cell Reports</i> , 2019 , 29, 176-186.e4	10.6	4
20	Systematic mutational analysis of human neutrophil defensin HNP4. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019 , 1861, 835-844	3.8	4
19	Optimization of Small Molecules That Sensitize HIV-1 Infected Cells to Antibody-Dependent Cellular Cytotoxicity. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 371-378	4.3	4
18	Stabilizing the HIV-1 envelope glycoprotein State 2A conformation. <i>Journal of Virology</i> , 2020 ,	6.6	4
17	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
16	Elicitation of Cluster A and Co-Receptor Binding Site Antibodies are Required to Eliminate HIV-1 Infected Cells. <i>Microorganisms</i> , 2020 , 8,	4.9	3
15	Induction of Fc-Mediated Effector Functions Against a Stabilized Inner Domain of HIV-1 gp120 Designed to Selectively Harbor the A32 Epitope Region. <i>Frontiers in Immunology</i> , 2019 , 10, 677	8.4	3
14	Design of ultrahigh-affinity and dual-specificity peptide antagonists of MDM2 and MDMX for P53 activation and tumor suppression. <i>Acta Pharmaceutica Sinica B</i> , 2021 , 11, 2655-2669	15.5	3
13	Full Length Single Chain Fc Protein (FLSC IgG1) as a Potent Antiviral Therapy Candidate: Implications for In Vivo Studies. <i>AIDS Research and Human Retroviruses</i> , 2016 , 32, 178-86	1.6	2
12	Concurrent Exposure of Neutralizing and Non-neutralizing Epitopes on a Single HIV-1 Envelope Structure. <i>Frontiers in Immunology</i> , 2019 , 10, 1512	8.4	2
11	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
10	Recognition Patterns of the C1/C2 Epitopes Involved in Fc-Mediated Response in HIV-1 Natural Infection and the RV114 Vaccine Trial. <i>MBio</i> , 2020 , 11,	7.8	2
9	Impact of HIV-1 viremia or sexually transmitted infection on semen-derived anti-HIV-1 antibodies and the immunosuppressive capacity of seminal plasma. <i>European Journal of Immunology</i> , 2019 , 49, 2255-2258 ¹	6.1	1
8	HIV-1 Envelope Glycoprotein Cell Surface Localization Is Associated with Antibody-Induced Internalization. <i>Viruses</i> , 2021 , 13,	6.2	1
7	Boosting with ALVAC-HIV and AIDSVAX B/E enhances Env constant region 1 and 2 antibody-dependent cellular cytotoxicity		1
6	Near-Pan-neutralizing, Plasma Deconvoluted Antibody N49P6 Mimics Host Receptor CD4 in Its Quaternary Interactions with the HIV-1 Envelope Trimer. <i>MBio</i> , 2021 , 12, e0127421	7.8	1

5	Enhanced Ability of Plant-Derived PGT121 Glycovariants To Eliminate HIV-1-Infected Cells. <i>Journal of Virology</i> , 2021 , 95, e0079621	6.6	1
4	Across Functional Boundaries: Making Nonneutralizing Antibodies To Neutralize HIV-1 and Mediate Fc-Mediated Effector Killing of Infected Cells. <i>MBio</i> , 2021 , 12, e0140521	7.8	1
3	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.. <i>MAbs</i> , 2022 , 14, 2047144	6.6	1
2	Structure and Fc-Effector Function of Rhesusized Variants of Human Anti-HIV-1 IgG1s.. <i>Frontiers in Immunology</i> , 2021 , 12, 787603	8.4	
1	Bma-LAD-2, an Intestinal Cell Adhesion Protein, as a Potential Therapeutic Target for Lymphatic Filariasis.. <i>MBio</i> , 2022 , e0374221	7.8	