

Fernando Garces

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,047
citations

361045

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610482

24
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docs citations

27
times ranked

2374
citing authors

#	ARTICLE	IF	CITATIONS
1	HIV Vaccine Design to Target Germline Precursors of Glycan-Dependent Broadly Neutralizing Antibodies. <i>Immunity</i> , 2016, 45, 483-496.	6.6	335
2	Affinity Maturation of a Potent Family of HIV Antibodies Is Primarily Focused on Accommodating or Avoiding Glycans. <i>Immunity</i> , 2015, 43, 1053-1063.	6.6	200
3	Improving the Immunogenicity of Native-like HIV-1 Envelope Trimers by Hyperstabilization. <i>Cell Reports</i> , 2017, 20, 1805-1817.	2.9	171
4	Structural Evolution of Glycan Recognition by a Family of Potent HIV Antibodies. <i>Cell</i> , 2014, 159, 69-79.	13.5	161
5	Design and crystal structure of a native-like HIV-1 envelope trimer that engages multiple broadly neutralizing antibody precursors in vivo. <i>Journal of Experimental Medicine</i> , 2017, 214, 2573-2590.	4.2	151
6	Early Antibody Lineage Diversification and Independent Limb Maturation Lead to Broad HIV-1 Neutralization Targeting the Env High-Mannose Patch. <i>Immunity</i> , 2016, 44, 1215-1226.	6.6	138
7	Structure and immunogenicity of a stabilized HIV-1 envelope trimer based on a group-M consensus sequence. <i>Nature Communications</i> , 2019, 10, 2355.	5.8	116
8	Glycine Substitution at Helix-to-Coil Transitions Facilitates the Structural Determination of a Stabilized Subtype C HIV Envelope Glycoprotein. <i>Immunity</i> , 2017, 46, 792-803.e3.	6.6	96
9	Key gp120 Glycans Pose Roadblocks to the Rapid Development of VRC01-Class Antibodies in an HIV-1-Infected Chinese Donor. <i>Immunity</i> , 2016, 44, 939-950.	6.6	85
10	Two Classes of Broadly Neutralizing Antibodies within a Single Lineage Directed to the High-Mannose Patch of HIV Envelope. <i>Journal of Virology</i> , 2015, 89, 1105-1118.	1.5	80
11	Structural flexibility at a major conserved antibody target on hepatitis C virus E2 antigen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12768-12773.	3.3	78
12	Complete epitopes for vaccine design derived from a crystal structure of the broadly neutralizing antibodies PGT128 and 8ANC195 in complex with an HIV-1 Env trimer. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 2099-2108.	2.5	69
13	Elicitation of Neutralizing Antibodies Targeting the V2 Apex of the HIV Envelope Trimer in a Wild-Type Animal Model. <i>Cell Reports</i> , 2017, 21, 222-235.	2.9	58
14	Efficient Single-Strand Break Repair Requires Binding to Both Poly(ADP-Ribose) and DNA by the Central BRCT Domain of XRCC1. <i>Cell Reports</i> , 2019, 26, 573-581.e5.	2.9	58
15	The Chimpanzee SIV Envelope Trimer: Structure and Deployment as an HIV Vaccine Template. <i>Cell Reports</i> , 2019, 27, 2426-2441.e6.	2.9	35
16	Molecular Insight into Recognition of the CGRPR Complex by Migraine Prevention Therapy Aimovig (Erenumab). <i>Cell Reports</i> , 2020, 30, 1714-1723.e6.	2.9	34
17	The Structural Basis for Substrate Recognition by Mammalian Polynucleotide Kinase 3â€² Phosphatase. <i>Molecular Cell</i> , 2011, 44, 385-396.	4.5	32
18	Molecular Architecture of the Mn ²⁺ -dependent Lactonase UlaG Reveals an RNase-like Metallo-Î²-lactamase Fold and a Novel Quaternary Structure. <i>Journal of Molecular Biology</i> , 2010, 398, 715-729.	2.0	31

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19	Quaternary Structural Transitions in the DeoR-Type Repressor UlaR Control Transcriptional Readout from the <i>l</i> -Ascorbate Utilization Regulon in <i>Escherichia coli</i> . <i>Biochemistry</i> , 2008, 47, 11424-11433.	1.2	30
20	Enhancing the Prefusion Conformational Stability of SARS-CoV-2 Spike Protein Through Structure-Guided Design. <i>Frontiers in Immunology</i> , 2021, 12, 660198.	2.2	28
21	Aerobic <i>l</i> -ascorbate metabolism and associated oxidative stress in <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 2007, 153, 3399-3408.	0.7	27
22	The <i>yiaKLX1X2PQRS</i> and <i>ulaABCDEFG</i> Gene Systems Are Required for the Aerobic Utilization of <i>l</i> -Ascorbate in <i>Klebsiella pneumoniae</i> Strain 13882 with <i>l</i> -Ascorbate-6-Phosphate as the Inducer. <i>Journal of Bacteriology</i> , 2008, 190, 6615-6624.	1.0	21
23	The UlaG protein family defines novel structural and functional motifs grafted on an ancient RNase fold. <i>BMC Evolutionary Biology</i> , 2011, 11, 273.	3.2	7
24	Overproduction, crystallization and preliminary X-ray analysis of the putative <i>l</i> -ascorbate-6-phosphate lactonase UlaG from <i>Escherichia coli</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 36-38.	0.7	3
25	The path toward an HIV-1 vaccine. <i>Porto Biomedical Journal</i> , 2017, 2, 150-152.	0.4	1