

Damian C Ekiert

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

7,224
citations

201385

27
h-index

301761

39
g-index

58
all docs

58
docs citations

58
times ranked

7626
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibody Recognition of a Highly Conserved Influenza Virus Epitope. <i>Science</i> , 2009, 324, 246-251.	6.0	1,220
2	A Highly Conserved Neutralizing Epitope on Group 2 Influenza A Viruses. <i>Science</i> , 2011, 333, 843-850.	6.0	772
3	Highly Conserved Protective Epitopes on Influenza B Viruses. <i>Science</i> , 2012, 337, 1343-1348.	6.0	705
4	Computational Design of Proteins Targeting the Conserved Stem Region of Influenza Hemagglutinin. <i>Science</i> , 2011, 332, 816-821.	6.0	527
5	Structural Basis of Preexisting Immunity to the 2009 H1N1 Pandemic Influenza Virus. <i>Science</i> , 2010, 328, 357-360.	6.0	521
6	Cross-neutralization of influenza A viruses mediated by a single antibody loop. <i>Nature</i> , 2012, 489, 526-532.	13.7	434
7	A Dynamic Knockout Reveals That Conformational Fluctuations Influence the Chemical Step of Enzyme Catalysis. <i>Science</i> , 2011, 332, 234-238.	6.0	414
8	Vaccination with a synthetic peptide from the influenza virus hemagglutinin provides protection against distinct viral subtypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18979-18984.	3.3	273
9	Exploring the repeat protein universe through computational protein design. <i>Nature</i> , 2015, 528, 580-584.	13.7	227
10	Architectures of Lipid Transport Systems for the Bacterial Outer Membrane. <i>Cell</i> , 2017, 169, 273-285.e17.	13.5	194
11	A common solution to group 2 influenza virus neutralization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 445-450.	3.3	187
12	Reshaping Antibody Diversity. <i>Cell</i> , 2013, 153, 1379-1393.	13.5	179
13	Structural and functional diversity calls for a new classification of ABC transporters. <i>FEBS Letters</i> , 2020, 594, 3767-3775.	1.3	169
14	Heterosubtypic antibody recognition of the influenza virus hemagglutinin receptor binding site enhanced by avidity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17040-17045.	3.3	159
15	Divergent evolution of protein conformational dynamics in dihydrofolate reductase. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 1243-1249.	3.6	153
16	Broadly neutralizing antibodies against influenza virus and prospects for universal therapies. <i>Current Opinion in Virology</i> , 2012, 2, 134-141.	2.6	136
17	Structure of a PEâ€PPEâ€EspG complex from <i>Mycobacterium tuberculosis</i> reveals molecular specificity of ESX protein secretion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14758-14763.	3.3	129
18	Structure of a Classical Broadly Neutralizing Stem Antibody in Complex with a Pandemic H2 Influenza Virus Hemagglutinin. <i>Journal of Virology</i> , 2013, 87, 7149-7154.	1.5	114

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19	Recognition of Sialylated PolyN-acetyllactosamine Chains on N- and O-Linked Glycans by Human and Avian Influenza A Virus Hemagglutinins. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4860-4863.	7.2	88
20	Sequential Cyk-4 binding to ECT2 and FIP3 regulates cleavage furrow ingression and abscission during cytokinesis. <i>EMBO Journal</i> , 2008, 27, 1791-1803.	3.5	84
21	Influenza Human Monoclonal Antibody 1F1 Interacts with Three Major Antigenic Sites and Residues Mediating Human Receptor Specificity in H1N1 Viruses. <i>PLoS Pathogens</i> , 2012, 8, e1003067.	2.1	80
22	A Virus-Like Particle That Elicits Cross-Reactive Antibodies to the Conserved Stem of Influenza Virus Hemagglutinin. <i>Journal of Virology</i> , 2012, 86, 11686-11697.	1.5	71
23	LetB Structure Reveals a Tunnel for Lipid Transport across the Bacterial Envelope. <i>Cell</i> , 2020, 181, 653-664.e19.	13.5	51
24	Design of multi-scale protein complexes by hierarchical building block fusion. <i>Nature Communications</i> , 2021, 12, 2294.	5.8	48
25	Structure of bacterial phospholipid transporter MlaFEDB with substrate bound. <i>ELife</i> , 2020, 9, .	2.8	47
26	An Insertion Mutation That Distorts Antibody Binding Site Architecture Enhances Function of a Human Antibody. <i>MBio</i> , 2011, 2, e00345-10.	1.8	40
27	Small molecule probes to quantify the functional fraction of a specific protein in a cell with minimal folding equilibrium shifts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4449-4454.	3.3	32
28	3-Dimensional organization and dynamics of the microsporidian polar tube invasion machinery. <i>PLoS Pathogens</i> , 2020, 16, e1008738.	2.1	32
29	Structure of MlaFB uncovers novel mechanisms of ABC transporter regulation. <i>ELife</i> , 2020, 9, .	2.8	32
30	Affinity maturation is required for pathogenic monovalent IgG4 autoantibody development in myasthenia gravis. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	19
31	De Novo-Designed Enzymes as Small-Molecule-Regulated Fluorescence Imaging Tags and Fluorescent Reporters. <i>Journal of the American Chemical Society</i> , 2014, 136, 13102-13105.	6.6	18
32	Cell Death in Escherichia coli dnaE (Ts) Mutants Incubated at a Nonpermissive Temperature Is Prevented by Mutation in the cydA Gene. <i>Journal of Bacteriology</i> , 2004, 186, 2147-2155.	1.0	11
33	Lipid Transport Across Bacterial Membranes. <i>Annual Review of Cell and Developmental Biology</i> , 2022, 38, 125-153.	4.0	11
34	Generation of DNA-Free Escherichia coli Cells by 2-Aminopurine Requires Mismatch Repair and Nonmethylated DNA. <i>Journal of Bacteriology</i> , 2006, 188, 339-342.	1.0	9
35	Cytochrome Oxidase Deficiency Protects Escherichia coli from Cell Death but Not from Filamentation Due to Thymine Deficiency or DNA Polymerase Inactivation. <i>Journal of Bacteriology</i> , 2005, 187, 2827-2835.	1.0	8
36	Role of Ring6 in the Function of the E. coli MCE Protein LetB. <i>Journal of Molecular Biology</i> , 2022, 434, 167463.	2.0	3

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37	Targeting allostery in the Dynein motor domain with small molecule inhibitors. <i>Cell Chemical Biology</i> , 2021, 28, 1460-1473.e15.	2.5	2
38	Reshaping Antibody Diversity. <i>Biophysical Journal</i> , 2014, 106, 438a.	0.2	1
39	Recognition of Sialylated Poly-N-acetylglucosamine Chains on N- and O-Linked Glycans by Human and Avian Influenza A Virus Hemagglutinins. , 2012, 51, 4860.		1
40	Three-dimensional Architecture of the Microsporidian Spore and Rapid Firing Kinetics of the Harpoon-like Invasion Machinery. <i>Microscopy and Microanalysis</i> , 2020, 26, 2524-2526.	0.2	0
41	User experience: Using national Cryo EM centers towards studying lipid transport across the bacterial cell envelope. <i>Microscopy and Microanalysis</i> , 2021, 27, 1422-1422.	0.2	0
42	Chapter 12. Attachment and Entry: Receptor Recognition in Viral Pathogenesis. <i>RSC Biomolecular Sciences</i> , 2010, , 220-242.	0.4	0
43	Structural modeling of the Influenza virus Hemagglutinin protein in complex with a broadly neutralizing antibody. <i>FASEB Journal</i> , 2011, 25, lb169.	0.2	0
44	3-Dimensional organization and dynamics of the microsporidian polar tube invasion machinery. , 2020, 16, e1008738.		0
45	3-Dimensional organization and dynamics of the microsporidian polar tube invasion machinery. , 2020, 16, e1008738.		0
46	3-Dimensional organization and dynamics of the microsporidian polar tube invasion machinery. , 2020, 16, e1008738.		0
47	Mechanics of Microsporidian Polar Tube Firing. <i>Experientia Supplementum (2012)</i> , 2022, 114, 215-245.	0.5	0