

Giovanni Cardone

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,565
citations

304743

22
h-index

361022

35
g-index

42
all docs

42
docs citations

42
times ranked

3877
citing authors

#	ARTICLE	IF	CITATIONS
1	Influenza virus pleiomorphy characterized by cryoelectron tomography. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19123-19127.	7.1	426
2	One number does not fit all: Mapping local variations in resolution in cryo-EM reconstructions. Journal of Structural Biology, 2013, 184, 226-236.	2.8	340
3	Self-assembly of coherently dynamic, auxetic, two-dimensional protein crystals. Nature, 2016, 533, 369-373.	27.8	255
4	Allosteric Signaling and a Nuclear Exit Strategy: Binding of UL25/UL17 Heterodimers to DNA-Filled HSV-1 Capsids. Molecular Cell, 2007, 26, 479-489.	9.7	149
5	Computational resources for cryo-electron tomography in Bsoft. Journal of Structural Biology, 2008, 161, 232-242.	2.8	128
6	A resolution criterion for electron tomography based on cross-validation. Journal of Structural Biology, 2005, 151, 117-129.	2.8	114
7	Structural Changes in Influenza Virus at Low pH Characterized by Cryo-Electron Tomography. Journal of Virology, 2012, 86, 2919-2929.	3.4	109
8	Visualization of the herpes simplex virus portal in situ by cryo-electron tomography. Virology, 2007, 361, 426-434.	2.4	107
9	Visualization of a missing link in retrovirus capsid assembly. Nature, 2009, 457, 694-698.	27.8	94
10	<scp>OmpA</scp> and <scp>OmpC</scp> are critical host factors for bacteriophage <scp>S</scp>f6 entry in <scp><i>S</i></scp><i>higella</i>. Molecular Microbiology, 2014, 92, 47-60.	2.5	82
11	A transcriptomics resource reveals a transcriptional transition during ordered sarcomere morphogenesis in flight muscle. ELife, 2018, 7, .	6.0	69
12	Procapsid Assembly, Maturation, Nuclear Exit: Dynamic Steps in the Production of Infectious Herpesvirions. Advances in Experimental Medicine and Biology, 2012, 726, 423-439.	1.6	68
13	Maturation of the Human Papillomavirus 16 Capsid. MBio, 2014, 5, e01104-14.	4.1	64
14	The UL36 Tegument Protein of Herpes Simplex Virus 1 Has a Composite Binding Site at the Capsid Vertices. Journal of Virology, 2012, 86, 4058-4064.	3.4	62
15	3D common-reflection-surface stack and kinematic wavefield attributes. The Leading Edge, 2002, 21, 1010-1015.	0.7	53
16	Direct induction of microtubule branching by microtubule nucleation factor SSNA1. Nature Cell Biology, 2018, 20, 1172-1180.	10.3	48
17	mitoXplorer, a visual data mining platform to systematically analyze and visualize mitochondrial expression dynamics and mutations. Nucleic Acids Research, 2020, 48, 605-632.	14.5	47
18	Structure of a Protozoan Virus from the Human Genitourinary Parasite Trichomonas vaginalis. MBio, 2013, 4, .	4.1	43

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19	Three-Dimensional Structure of a Protozoal Double-Stranded RNA Virus That Infects the Enteric Pathogen <i>Giardia lamblia</i> . <i>Journal of Virology</i> , 2015, 89, 1182-1194.	3.4	42
20	Cryo-electron Microscopy Reconstruction and Stability Studies of the Wild Type and the R432A Variant of Adeno-associated Virus Type 2 Reveal that Capsid Structural Stability Is a Major Factor in Genome Packaging. <i>Journal of Virology</i> , 2016, 90, 8542-8551.	3.4	39
21	Three-dimensional Structure of Victorivirus HvV190S Suggests Coat Proteins in Most Totiviruses Share a Conserved Core. <i>PLoS Pathogens</i> , 2013, 9, e1003225.	4.7	33
22	Three-dimensional reconstructions of the bacteriophage CUS-3 virion reveal a conserved coat protein I-domain but a distinct tailspike receptor-binding domain. <i>Virology</i> , 2014, 464-465, 55-66.	2.4	24
23	The C-Terminal Arm of the Human Papillomavirus Major Capsid Protein Is Immunogenic and Involved in Virus-Host Interaction. <i>Structure</i> , 2016, 24, 874-885.	3.3	24
24	Self-Assembly of a Designed Nucleoprotein Architecture through Multimodal Interactions. <i>ACS Central Science</i> , 2018, 4, 1578-1586.	11.3	22
25	Visualization of the Two-Step Fusion Process of the Retrovirus Avian Sarcoma/Leukosis Virus by Cryo-Electron Tomography. <i>Journal of Virology</i> , 2012, 86, 12129-12137.	3.4	21
26	Cryo-EM Elucidation of the Structure of Bacteriophage P22 Virions after Genome Release. <i>Biophysical Journal</i> , 2018, 114, 1295-1301.	0.5	19
27	Non-canonical Binding of an Antibody Resembling a Naïve B Cell Receptor Immunoglobulin to Hepatitis B Virus Capsids. <i>Journal of Molecular Biology</i> , 2008, 379, 1119-1129.	4.2	15
28	Metastable Intermediates as Stepping Stones on the Maturation Pathways of Viral Capsids. <i>MBio</i> , 2014, 5, e02067.	4.1	13
29	Spectral changes in Gaussian-cavity lasers. <i>IEEE Journal of Quantum Electronics</i> , 1998, 34, 1082-1088.	1.9	12
30	Cryo-EM study of Hepatitis B virus core antigen capsids decorated with antibodies from a human patient. <i>Journal of Structural Biology</i> , 2012, 177, 145-151.	2.8	11
31	Suppression of a Morphogenic Mutant in Rous Sarcoma Virus Capsid Protein by a Second-Site Mutation: a Cryoelectron Tomography Study. <i>Journal of Virology</i> , 2010, 84, 6377-6386.	3.4	10
32	Three-dimensional reconstruction of icosahedral particles from single micrographs in real time at the microscope. <i>Journal of Structural Biology</i> , 2013, 183, 329-341.	2.8	6
33	3D ZO CRS stack: issues related to complex structures and real data. , 2003, , .		5
34	An example of wavefield depth migration and Monte Carlo imaging in West Africa deep waters. , 2004, , .		5
35	Single particle analysis integrated with microscopy: A high-throughput approach for reconstructing icosahedral particles. <i>Journal of Structural Biology</i> , 2014, 186, 8-18.	2.8	4
36	A new beamforming technique for ultrasonic imaging systems. <i>Ultrasonics</i> , 2000, 38, 156-160.	3.9	1

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37	Cryo-electron tomographic characterization of structural changes in influenza virus at low pH. <i>Microscopy and Microanalysis</i> , 2012, 18, 108-109.	0.4	1
38	A novel approach to the aperture windowing in medical imaging. <i>Ultrasonics</i> , 2000, 38, 937-941.	3.9	0
39	Visualization of the HSV-1 Portal Complex in situ by Cryo-Electron Tomography. <i>Microscopy and Microanalysis</i> , 2006, 12, 412-413.	0.4	0
40	A Real-Time 3D Reconstruction System for Screening Icosahedral Particles Under Different Conditions at the Microscope. <i>Microscopy and Microanalysis</i> , 2013, 19, 764-765.	0.4	0
41	Structural Rearrangements in R432A Variant of AAV2 Affect Genome Packaging. <i>Microscopy and Microanalysis</i> , 2016, 22, 1134-1135.	0.4	0