

Vijay S Reddy

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,595
citations

471061

17
h-index

344852

36
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38
all docs

38
docs citations

38
times ranked

1870
citing authors

#	ARTICLE	IF	CITATIONS
1	VIPERdb2: an enhanced and web API enabled relational database for structural virology. <i>Nucleic Acids Research</i> , 2009, 37, D436-D442.	6.5	348
2	Crystal Structure of Human Adenovirus at 3.5 Å... Resolution. <i>Science</i> , 2010, 329, 1071-1075.	6.0	206
3	Virus Particle Explorer (VIPER), a Website for Virus Capsid Structures and Their Computational Analyses. <i>Journal of Virology</i> , 2001, 75, 11943-11947.	1.5	174
4	VIPERdb: a relational database for structural virology. <i>Nucleic Acids Research</i> , 2006, 34, D386-D389.	6.5	115
5	Structures and organization of adenovirus cement proteins provide insights into the role of capsid maturation in virus entry and infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11715-11720.	3.3	90
6	Crystallographically identical virus capsids display different properties in solution. <i>Nature Structural Biology</i> , 1999, 6, 114-116.	9.7	86
7	Adenovirus Composition, Proteolysis, and Disassembly Studied by In-depth Qualitative and Quantitative Proteomics. <i>Journal of Biological Chemistry</i> , 2014, 289, 11421-11430.	1.6	81
8	Cryo-EM structure of human adenovirus D26 reveals the conservation of structural organization among human adenoviruses. <i>Science Advances</i> , 2017, 3, e1602670.	4.7	64
9	Characterization of polymorphism displayed by the coat protein mutants of tomato bushy stunt virus. <i>Virology</i> , 2006, 349, 222-229.	1.1	38
10	VIPERdb v3.0: a structure-based data analytics platform for viral capsids. <i>Nucleic Acids Research</i> , 2021, 49, D809-D816.	6.5	35
11	Localized reconstruction in Scipion expedites the analysis of symmetry mismatches in cryo-EM data. <i>Progress in Biophysics and Molecular Biology</i> , 2021, 160, 43-52.	1.4	33
12	VIPERdb: A Tool for Virus Research. <i>Annual Review of Virology</i> , 2018, 5, 477-488.	3.0	32
13	Structure-derived Insights into Virus Assembly. <i>Advances in Virus Research</i> , 2005, 64, 45-68.	0.9	30
14	The Cleaved N-Terminus of pVI Binds Peripentonal Hexons in Mature Adenovirus. <i>Journal of Molecular Biology</i> , 2014, 426, 1971-1979.	2.0	25
15	Crystal Structure and Proteomics Analysis of Empty Virus-like Particles of Cowpea Mosaic Virus. <i>Structure</i> , 2016, 24, 567-575.	1.6	22
16	Proline-rich domain of human ALIX contains multiple TSG101-UEV interaction sites and forms phosphorylation-mediated reversible amyloids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24274-24284.	3.3	21
17	Revised Crystal Structure of Human Adenovirus Reveals the Limits on Protein IX Quasi-Equivalence and on Analyzing Large Macromolecular Complexes. <i>Journal of Molecular Biology</i> , 2018, 430, 4132-4141.	2.0	20
18	Isolation and Characterization of Metallosphaera Turreted Icosahedral Virus, a Founding Member of a New Family of Archaeal Viruses. <i>Journal of Virology</i> , 2017, 91, .	1.5	19

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19	Molecular characterization of a plant mitochondrial chaperone GrpE. <i>Plant Molecular Biology</i> , 1999, 39, 871-881.	2.0	16
20	Unravelling the Stability and Capsid Dynamics of the Three Virions of Brome Mosaic Virus Assembled Autonomously <i>In Vivo</i> . <i>Journal of Virology</i> , 2020, 94, .	1.5	15
21	A novel method to map and compare protein-protein interactions in spherical viral capsids. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 73, 644-655.	1.5	13
22	The Role of Hexon Protein as a Molecular Mold in Patterning the Protein IX Organization in Human Adenoviruses. <i>Journal of Molecular Biology</i> , 2017, 429, 2747-2751.	2.0	13
23	Structure-based assessment of protein-protein interactions and accessibility of protein IX in adenoviruses with implications for antigen display. <i>Virology</i> , 2018, 516, 102-107.	1.1	13
24	Data to knowledge: how to get meaning from your result. <i>IUCr</i> , 2015, 2, 45-58.	1.0	12
25	Rapid increase of near atomic resolution virus capsid structures determined by cryo-electron microscopy. <i>Journal of Structural Biology</i> , 2018, 201, 1-4.	1.3	10
26	Structural Organization and Protein-Protein Interactions in Human Adenovirus Capsid. <i>Sub-Cellular Biochemistry</i> , 2021, 96, 503-518.	1.0	10
27	CapsidMaps: Protein-protein interaction pattern discovery platform for the structural analysis of virus capsids using Google Maps. <i>Journal of Structural Biology</i> , 2015, 190, 47-55.	1.3	9
28	<i>Ex Vivo</i> and <i>In Vivo</i> CD46 Receptor Utilization by Species D Human Adenovirus Serotype 26 (HAdV26). <i>Journal of Virology</i> , 2022, 96, JVI0082621.	1.5	9
29	Epitope-Analyzer: A structure-based webtool to analyze broadly neutralizing epitopes. <i>Journal of Structural Biology</i> , 2022, 214, 107839.	1.3	8
30	Reply to Campos: Revised structures of adenovirus cement proteins represent a consensus model for understanding virus assembly and disassembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4544-5.	3.3	7
31	Extent of protein-protein interactions and quasi-equivalence in viral capsids. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 58, 472-477.	1.5	6
32	Structure based sequence analysis of viral and cellular protein assemblies. <i>Journal of Structural Biology</i> , 2016, 196, 299-308.	1.3	5
33	The Architecture of a Water-Selective Pore in the Lipid Bilayer Visualized by Electron Crystallography in Vitreous Ice. <i>Novartis Foundation Symposium</i> , 2008, , 33-50.	1.2	4
34	Structure of a Cell Entry Defective Human Adenovirus Provides Insights into Precursor Proteins and Capsid Maturation. <i>Journal of Molecular Biology</i> , 2022, 434, 167350.	2.0	4
35	Application of the phase extension method in virus crystallography. <i>Crystallography Reviews</i> , 2016, 22, 128-140.	0.4	1
36	Refined Capsid Structure of Human Adenovirus D26 at 3.4 Å... Resolution. <i>Viruses</i> , 2022, 14, 414.	1.5	1

#	ARTICLE	IF	CITATIONS
37	Insights Derived from the Structure of Human Adenovirus. FASEB Journal, 2011, 25, lb161.	0.2	0