

# Timothy S Baker

## List of Publications by Year in descending order

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33  
papers

1,102  
citations

516561

16  
h-index

642610

23  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1668  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-assembly of coherently dynamic, auxetic, two-dimensional protein crystals. <i>Nature</i> , 2016, 533, 369-373.	13.7	255
2	AUTO3DEM—an automated and high throughput program for image reconstruction of icosahedral particles. <i>Journal of Structural Biology</i> , 2007, 157, 73-82.	1.3	173
3	A Novel Partitivirus That Confers Hypovirulence on Plant Pathogenic Fungi. <i>Journal of Virology</i> , 2014, 88, 10120-10133.	1.5	133
4	Sub-2Å... Ewald curvature corrected structure of an AAV2 capsid variant. <i>Nature Communications</i> , 2018, 9, 3628.	5.8	73
5	Adeno-Associated Virus Serotype 1 (AAV1)- and AAV5-Antibody Complex Structures Reveal Evolutionary Commonalities in Parvovirus Antigenic Reactivity. <i>Journal of Virology</i> , 2015, 89, 1794-1808.	1.5	64
6	Atomic structures of Coxsackievirus A6 and its complex with a neutralizing antibody. <i>Nature Communications</i> , 2017, 8, 505.	5.8	61
7	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.	1.5	42
8	Cryo-EM Structures of a Group II Intron Reverse Splicing into DNA. <i>Cell</i> , 2019, 178, 612-623.e12.	13.5	41
9	Atomic structures of enterovirus D68 in complex with two monoclonal antibodies define distinct mechanisms of viral neutralization. <i>Nature Microbiology</i> , 2019, 4, 124-133.	5.9	40
10	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.	1.5	39
11	Fluorescent Protein-Tagged Sindbis Virus E2 Glycoprotein Allows Single Particle Analysis of Virus Budding from Live Cells. <i>Viruses</i> , 2015, 7, 6182-6199.	1.5	29
12	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.	1.1	24
13	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.	1.6	24
14	Self-Assembly of a Designed Nucleoprotein Architecture through Multimodal Interactions. <i>ACS Central Science</i> , 2018, 4, 1578-1586.	5.3	22
15	Crystal Structures of Two Immune Complexes Identify Determinants for Viral Infectivity and Type-Specific Neutralization of Human Papillomavirus. <i>MBio</i> , 2017, 8, .	1.8	20
16	Discovery and structural characterization of a therapeutic antibody against coxsackievirus A10. <i>Science Advances</i> , 2018, 4, eaat7459.	4.7	19
17	Structural studies on the mechanisms of antibody-mediated neutralization of human rhinovirus. <i>Seminars in Virology</i> , 1995, 6, 233-242.	4.1	14
18	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.	1.3	6

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19	Atomic Resolution Structure of the Oncolytic Parvovirus L1 by Electron Microscopy and 3D Image Reconstruction. <i>Viruses</i> , 2017, 9, 321.	1.5	6
20	Cryoelectron microscopy of complexes of human rhinovirus with a monoclonal FAB and the viral cellular receptor. <i>Proceedings Annual Meeting Electron Microscopy Society of America</i> , 1992, 50, 524-525.	0.0	5
21	Single particle analysis integrated with microscopy: A high-throughput approach for reconstructing icosahedral particles. <i>Journal of Structural Biology</i> , 2014, 186, 8-18.	1.3	4
22	The use of radial density plots to calibrate images of frozen-hydrated specimens. <i>Proceedings Annual Meeting Electron Microscopy Society of America</i> , 1992, 50, 998-999.	0.0	2
23	On The Unique Structural Organization of the <i>Saccharomyces Cerevisiae</i> Pyruvate Dehydrogenase Complex. <i>Microscopy and Microanalysis</i> , 1998, 4, 954-955.	0.2	1
24	Structure of a Human Rhinovirus Complexed with its Receptor Molecule. , 1993, , 1-12.		1
25	Chapter 20 Papovaviridae. <i>Perspectives in Medical Virology</i> , 1987, 3, 335-348.	0.1	0
26	Structure of the Human Reovirus Virion at 9.6 Å Resolution. <i>Microscopy and Microanalysis</i> , 2002, 8, 846-847.	0.2	0
27	The Structure of Red Clover Necrotic Mosaic Dianthovirus at 10 Å Resolution. <i>Microscopy and Microanalysis</i> , 2004, 10, 1486-1487.	0.2	0
28	Electron Crystallography of Biological Macromolecules, R. M. Glaeser, K. Downing, D. DeRosier, W. Chiu, J. Frank. Oxford University Press; 2007, 476 pages. ISBN 0195088719 (Hardcover). <i>Microscopy and Microanalysis</i> , 2009, 15, 174-176.	0.2	0
29	Electron Cryo-Microscopy studies of Helminthosporium victoriae Virus 190S. <i>Microscopy and Microanalysis</i> , 2011, 17, 134-135.	0.2	0
30	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.	0.2	0
31	Structural Rearrangements in R432A Variant of AAV2 Affect Genome Packaging. <i>Microscopy and Microanalysis</i> , 2016, 22, 1134-1135.	0.2	0
32	Chapter 5. Structure Determination of Icosahedral Viruses Imaged by Cryo-electron Microscopy. <i>RSC Biomolecular Sciences</i> , 2010, , 81-99.	0.4	0
33	The structure of the tubulin heterodimer in zinc-induced sheets. <i>Proceedings Annual Meeting Electron Microscopy Society of America</i> , 1978, 36, 272-273.	0.0	0