

Mark J Young

List of Publications by Year in descending order

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44
papers

4,156
citations

218592

26
h-index

214721

47
g-index

49
all docs

49
docs citations

49
times ranked

4733
citing authors

#	ARTICLE	IF	CITATIONS
1	Host-“guest encapsulation of materials by assembled virus protein cages. <i>Nature</i> , 1998, 393, 152-155.	13.7	887
2	Healthy human gut phageome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10400-10405.	3.3	439
3	Minimum Information about an Uncultivated Virus Genome (MIUViG). <i>Nature Biotechnology</i> , 2019, 37, 29-37.	9.4	414
4	Plant Viruses as Biotemplates for Materials and Their Use in Nanotechnology. <i>Annual Review of Phytopathology</i> , 2008, 46, 361-384.	3.5	233
5	From The Cover: The structure of a thermophilic archaeal virus shows a double-stranded DNA viral capsid type that spans all domains of life. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7716-7720.	3.3	219
6	The Human Gut Phage Community and Its Implications for Health and Disease. <i>Viruses</i> , 2017, 9, 141.	1.5	206
7	Paramagnetic viral nanoparticles as potential high-relaxivity magnetic resonance contrast agents. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 807-812.	1.9	198
8	Melanoma and Lymphocyte Cell-Specific Targeting Incorporated into a Heat Shock Protein Cage Architecture. <i>Chemistry and Biology</i> , 2006, 13, 161-170.	6.2	146
9	Identification of Novel Positive-Strand RNA Viruses by Metagenomic Analysis of Archaea-Dominated Yellowstone Hot Springs. <i>Journal of Virology</i> , 2012, 86, 5562-5573.	1.5	107
10	Heterologous expression of the modified coat protein of Cowpea chlorotic mottle bromovirus results in the assembly of protein cages with altered architectures and function. <i>Journal of General Virology</i> , 2004, 85, 1049-1053.	1.3	96
11	Particle Assembly and Ultrastructural Features Associated with Replication of the Lytic Archaeal Virus <i>Sulfolobus</i> Turreted Icosahedral Virus. <i>Journal of Virology</i> , 2009, 83, 5964-5970.	1.5	96
12	A virus or more in (nearly) every cell: ubiquitous networks of virus-host interactions in extreme environments. <i>ISME Journal</i> , 2018, 12, 1706-1714.	4.4	94
13	CRISPR-Induced Distributed Immunity in Microbial Populations. <i>PLoS ONE</i> , 2014, 9, e101710.	1.1	67
14	Nanoarchaeota, Their <i>Sulfolobales</i> Host, and Nanoarchaeota Virus Distribution across Yellowstone National Park Hot Springs. <i>Applied and Environmental Microbiology</i> , 2015, 81, 7860-7868.	1.4	63
15	Controlled Ligand Display on a Symmetrical Protein-Cage Architecture Through Mixed Assembly. <i>Small</i> , 2006, 2, 962-966.	5.2	61
16	High-Density Targeting of a Viral Multifunctional Nanoplatform to a Pathogenic, Biofilm-Forming Bacterium. <i>Chemistry and Biology</i> , 2007, 14, 387-398.	6.2	58
17	Archaeal Viruses from High-Temperature Environments. <i>Genes</i> , 2018, 9, 128.	1.0	54
18	Novel viral genomes identified from six metagenomes reveal wide distribution of archaeal viruses and high viral diversity in terrestrial hot springs. <i>Environmental Microbiology</i> , 2016, 18, 863-874.	1.8	53

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19	Metal binding to cowpea chlorotic mottle virus using terbium(III) fluorescence. <i>Journal of Biological Inorganic Chemistry</i> , 2003, 8, 721-725.	1.1	52
20	Viral assemblage composition in Yellowstone acidic hot springs assessed by network analysis. <i>ISME Journal</i> , 2015, 9, 2162-2177.	4.4	48
21	Single-cell genomics of co-sorted Nanoarchaeota suggests novel putative host associations and diversification of proteins involved in symbiosis. <i>Microbiome</i> , 2018, 6, 161.	4.9	44
22	40 Years of archaeal virology: Expanding viral diversity. <i>Virology</i> , 2015, 479-480, 369-378.	1.1	41
23	Monitoring Biomimetic Platinum Nanocluster Formation Using Mass Spectrometry and Cluster-Dependent H ₂ Production. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7845-7848.	7.2	40
24	Discovering novel hydrolases from hot environments. <i>Biotechnology Advances</i> , 2018, 36, 2077-2100.	6.0	38
25	Viruses of hyperthermophilic Archaea. <i>Research in Microbiology</i> , 2003, 154, 474-482.	1.0	33
26	Effect of Inactivation Methods on SARS-CoV-2 Virion Protein and Structure. <i>Viruses</i> , 2021, 13, 562.	1.5	33
27	Development of a genetic system for the archaeal virus Sulfolobus turreted icosahedral virus (STIV). <i>Virology</i> , 2011, 415, 6-11.	1.1	29
28	Structural studies of <i>Acidianus</i> tailed spindle virus reveal a structural paradigm used in the assembly of spindle-shaped viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2120-2125.	3.3	29
29	<i>Acidianus</i> Tailed Spindle Virus: a New Archaeal Large Tailed Spindle Virus Discovered by Culture-Independent Methods. <i>Journal of Virology</i> , 2016, 90, 3458-3468.	1.5	27
30	From Metal Binding to Nanoparticle Formation: Monitoring Biomimetic Iron Oxide Synthesis within Protein Cages using Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4772-4776.	7.2	26
31	Gut bacteriophage dynamics during fecal microbial transplantation in subjects with metabolic syndrome. <i>Gut Microbes</i> , 2021, 13, 1-15.	4.3	24
32	Bacterial Viruses Subcommittee and Archaeal Viruses Subcommittee of the ICTV: update of taxonomy changes in 2021. <i>Archives of Virology</i> , 2021, 166, 3239-3244.	0.9	24
33	The Molecular Mechanism of Cellular Attachment for an Archaeal Virus. <i>Structure</i> , 2019, 27, 1634-1646.e3.	1.6	21
34	Coupling Peptide Antigens to Virus-Like Particles or to Protein Carriers Influences the Th1/Th2 Polarity of the Resulting Immune Response. <i>Vaccines</i> , 2016, 4, 15.	2.1	20
35	Large Tailed Spindle Viruses of Archaea: a New Way of Doing Viral Business. <i>Journal of Virology</i> , 2015, 89, 9146-9149.	1.5	19
36	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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37	The transcript cleavage factor paralogue TFS4 is a potent RNA polymerase inhibitor. <i>Nature Communications</i> , 2017, 8, 1914.	5.8	18
38	The intriguing world of archaeal viruses. <i>PLoS Pathogens</i> , 2020, 16, e1008574.	2.1	16
39	Two-component magnetic structure of iron oxide nanoparticles mineralized in <i>Listeria innocua</i> protein cages. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	13
40	Survey of high-resolution archaeal virus structures. <i>Current Opinion in Virology</i> , 2019, 36, 74-83.	2.6	10
41	An Uncultivated Virus Infecting a Nanoarchaeal Parasite in the Hot Springs of Yellowstone National Park. <i>Journal of Virology</i> , 2020, 94, .	1.5	10
42	Structure-Based Mutagenesis of <i>Sulfolobus</i> Turreted Icosahedral Virus B204 Reveals Essential Residues in the Virion-Associated DNA-Packaging ATPase. <i>Journal of Virology</i> , 2016, 90, 2729-2739.	1.5	8
43	A Survey of Protein Structures from Archaeal Viruses. <i>Life</i> , 2013, 3, 118-130.	1.1	6
44	Discovery and Characterization of <i>Thermoproteus</i> Spherical Piliferous Virus 1: a Spherical Archaeal Virus Decorated with Unusual Filaments. <i>Journal of Virology</i> , 2020, 94, .	1.5	2