

Guy Schoehn

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

2,858
citations

186265

28
h-index

189892

50
g-index

68
all docs

68
docs citations

68
times ranked

3748
citing authors

#	ARTICLE	IF	CITATIONS
1	Helical Structures of ESCRT-III Are Disassembled by VPS4. <i>Science</i> , 2008, 321, 1354-1357.	12.6	309
2	Crystal Structure of the Rabies Virus Nucleoprotein-RNA Complex. <i>Science</i> , 2006, 313, 360-363.	12.6	299
3	DC/L-SIGN recognition of spike glycoprotein promotes SARS-CoV-2 trans-infection and can be inhibited by a glycomimetic antagonist. <i>PLoS Pathogens</i> , 2021, 17, e1009576.	4.7	133
4	Near-atomic cryo-EM structure of the helical measles virus nucleocapsid. <i>Science</i> , 2015, 348, 704-707.	12.6	131
5	Conformational transitions of the serotonin 5-HT ₃ receptor. <i>Nature</i> , 2018, 563, 275-279.	27.8	128
6	A Crescent-Shaped ALIX Dimer Targets ESCRT-III CHMP4 Filaments. <i>Structure</i> , 2009, 17, 843-856.	3.3	116
7	Charged Multivesicular Body Protein 2B (CHMP2B) of the Endosomal Sorting Complex Required for Transport-III (ESCRT-III) Polymerizes into Helical Structures Deforming the Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2011, 286, 40276-40286.	3.4	95
8	The 12Å... Structure of Trypsin-treated Measles Virus Nucleoprotein-RNA. <i>Journal of Molecular Biology</i> , 2004, 339, 301-312.	4.2	94
9	Plastid thylakoid architecture optimizes photosynthesis in diatoms. <i>Nature Communications</i> , 2017, 8, 15885.	12.8	93
10	VPS4 triggers constriction and cleavage of ESCRT-III helical filaments. <i>Science Advances</i> , 2019, 5, eaau7198.	10.3	84
11	CM01: a facility for cryo-electron microscopy at the European Synchrotron. <i>Acta Crystallographica Section D: Structural Biology</i> , 2019, 75, 528-535.	2.3	83
12	Integrated NMR and cryo-EM atomic-resolution structure determination of a half-megadalton enzyme complex. <i>Nature Communications</i> , 2019, 10, 2697.	12.8	80
13	ESCRT-III CHMP2A and CHMP3 form variable helical polymers <i>in vitro</i> and act synergistically during HIV-1 budding. <i>Cellular Microbiology</i> , 2013, 15, 213-226.	2.1	78
14	Bacteriophage T5 tail tube structure suggests a trigger mechanism for Siphoviridae DNA ejection. <i>Nature Communications</i> , 2017, 8, 1953.	12.8	64
15	Structure of the Fiber Head of Ad3, a Non-CAR-Binding Serotype of Adenovirus. <i>Virology</i> , 2001, 285, 302-312.	2.4	62
16	Structure and function of ESCRT-III. <i>Biochemical Society Transactions</i> , 2009, 37, 156-160.	3.4	61
17	MAP6 is an intraluminal protein that induces neuronal microtubules to coil. <i>Science Advances</i> , 2020, 6, eaaz4344.	10.3	56
18	RIP2 filament formation is required for NOD2 dependent NF- κ B signalling. <i>Nature Communications</i> , 2018, 9, 4043.	12.8	55

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19	Morphological bases of phytoplankton energy management and physiological responses unveiled by 3D subcellular imaging. <i>Nature Communications</i> , 2021, 12, 1049.	12.8	51
20	Antibiotic export by MexB multidrug efflux transporter is allosterically controlled by a MexA-OprM chaperone-like complex. <i>Nature Communications</i> , 2020, 11, 4948.	12.8	45
21	Structural investigation of a chaperonin in action reveals how nucleotide binding regulates the functional cycle. <i>Science Advances</i> , 2018, 4, eaau4196.	10.3	44
22	Characterization of a TET-like Aminopeptidase Complex from the Hyperthermophilic Archaeon <i>Pyrococcus horikoshii</i> . <i>Biochemistry</i> , 2005, 44, 3477-3486.	2.5	42
23	Self-Assembly of Measles Virus Nucleocapsid-like Particles: Kinetics and RNA Sequence Dependence. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9356-9360.	13.8	41
24	Conformational transitions and ligand-binding to a muscle-type nicotinic acetylcholine receptor. <i>Neuron</i> , 2022, 110, 1358-1370.e5.	8.1	39
25	Structural Similarity of Secretins from Type II and Type III Secretion Systems. <i>Structure</i> , 2014, 22, 1348-1355.	3.3	36
26	Pre-initiation and elongation structures of full-length La Crosse virus polymerase reveal functionally important conformational changes. <i>Nature Communications</i> , 2020, 11, 3590.	12.8	36
27	Structure, dynamics and phase separation of measles virus RNA replication machinery. <i>Current Opinion in Virology</i> , 2020, 41, 59-67.	5.4	36
28	Assembly and cryo-EM structures of RNA-specific measles virus nucleocapsids provide mechanistic insight into paramyxoviral replication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4256-4264.	7.1	35
29	Structure, function and assembly of the long, flexible tail of siphophages. <i>Current Opinion in Virology</i> , 2020, 45, 34-42.	5.4	33
30	Differential proteomics highlights macrophage-specific responses to amorphous silica nanoparticles. <i>Nanoscale</i> , 2017, 9, 9641-9658.	5.6	31
31	Cryo-Electron Microscopy Three-Dimensional Structure of the Jumbo Phage ϕ RSL1 Infecting the Phytopathogen <i>Ralstonia solanacearum</i> . <i>Structure</i> , 2013, 21, 298-305.	3.3	29
32	Unraveling self-assembly pathways of the 468-kDa proteolytic machine TET2. <i>Science Advances</i> , 2017, 3, e1601601.	10.3	28
33	High resolution cryo-EM structure of the helical RNA-bound Hantaan virus nucleocapsid reveals its assembly mechanisms. <i>ELife</i> , 2019, 8, .	6.0	28
34	Substrate-bound and substrate-free outward-facing structures of a multidrug ABC exporter. <i>Science Advances</i> , 2022, 8, eabg9215.	10.3	27
35	Impact of Human Adenovirus Type 3 Dodecahedron on Host Cells and Its Potential Role in Viral Infection. <i>Journal of Virology</i> , 2012, 86, 5380-5385.	3.4	26
36	CryoEM structure of adenovirus type 3 fibre with desmoglein 2 shows an unusual mode of receptor engagement. <i>Nature Communications</i> , 2019, 10, 1181.	12.8	24

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37	Structural snapshots of La Crosse virus polymerase reveal the mechanisms underlying Peribunyaviridae replication and transcription. <i>Nature Communications</i> , 2022, 13, 902.	12.8	23
38	Structure and assembly of pilotin-dependent and -independent secretins of the type II secretion system. <i>PLoS Pathogens</i> , 2019, 15, e1007731.	4.7	22
39	The Binding of Palonosetron and Other Antiemetic Drugs to the Serotonin 5-HT ₃ Receptor. <i>Structure</i> , 2020, 28, 1131-1140.e4.	3.3	20
40	Binding of RNA by the Nucleoproteins of Influenza Viruses A and B. <i>Viruses</i> , 2016, 8, 247.	3.3	17
41	The structure of the nucleoprotein of Influenza D shows that all Orthomyxoviridae nucleoproteins have a similar NPCORE, with or without a NPTAIL for nuclear transport. <i>Scientific Reports</i> , 2019, 9, 600.	3.3	17
42	The tripartite capsid gene of Salmonella phage Gifsy-2 yields a capsid assembly pathway engaging features from HK97 and λ . <i>Virology</i> , 2010, 402, 355-365.	2.4	15
43	Self-association of MreC as a regulatory signal in bacterial cell wall elongation. <i>Nature Communications</i> , 2021, 12, 2987.	12.8	13
44	Structural Analysis of Jumbo Coliphage phAPEC6. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3119.	4.1	13
45	pH- and concentration-dependent supramolecular assembly of a fungal defensin plectasin variant into helical non-amyloid fibrils. <i>Nature Communications</i> , 2022, 13, .	12.8	9
46	Statistically correcting dynamical electron scattering improves the refinement of protein nanocrystals, including charge refinement of coordinated metals. <i>Acta Crystallographica Section D: Structural Biology</i> , 2021, 77, 75-85.	2.3	8
47	3D structure of three jumbo phage heads. <i>Journal of General Virology</i> , 2020, 101, 1219-1226.	2.9	8
48	How Reversible Are the Effects of Fumed Silica on Macrophages? A Proteomics-Informed View. <i>Nanomaterials</i> , 2020, 10, 1939.	4.1	7
49	Binding Mechanism Elucidation of the Acute Respiratory Disease Causing Agent Adenovirus of Serotype 7 to Desmoglein-2. <i>Viruses</i> , 2020, 12, 1075.	3.3	7
50	Immunization with synthetic SARS-CoV-2 S glycoprotein virus-like particles protects macaques from infection. <i>Cell Reports Medicine</i> , 2022, 3, 100528.	6.5	6
51	Structural basis for the inhibition of IAPP fibril formation by the co-chaperonin prefoldin. <i>Nature Communications</i> , 2022, 13, 2363.	12.8	5
52	Immediate and Sustained Effects of Cobalt and Zinc-Containing Pigments on Macrophages. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	5
53	Minimal nanodisc without exogenous lipids for stabilizing membrane proteins in detergent-free buffer. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 852-860.	2.6	3
54	High Resolution Structure of the Mature Capsid of Ralstonia solanacearum Bacteriophage λ -RSA1 by Cryo-Electron Microscopy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11053.	4.1	3

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55	Oxygen-Sensitive Metalloprotein Structure Determination by Cryo-Electron Microscopy. <i>Biomolecules</i> , 2022, 12, 441.	4.0	2