

Stéphane Duquerroy

List of Publications by Year in descending order

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papers

4,329
citations

257101

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433756

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32
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32
docs citations

32
times ranked

5737
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome Microevolution of Chikungunya Viruses Causing the Indian Ocean Outbreak. PLoS Medicine, 2006, 3, e263.	3.9	967
2	Structure of a flavivirus envelope glycoprotein in its low-pH-induced membrane fusion conformation. EMBO Journal, 2004, 23, 728-738.	3.5	526
3	Glycoprotein organization of Chikungunya virus particles revealed by X-ray crystallography. Nature, 2010, 468, 709-712.	13.7	524
4	Recognition determinants of broadly neutralizing human antibodies against dengue viruses. Nature, 2015, 520, 109-113.	13.7	301
5	Crystal Structure of a Nucleocapsid-Like Nucleoprotein-RNA Complex of Respiratory Syncytial Virus. Science, 2009, 326, 1279-1283.	6.0	290
6	Structure of the outer membrane complex of a type IV secretion system. Nature, 2009, 462, 1011-1015.	13.7	283
7	The HIV-1 capsid protein C-terminal domain in complex with a virus assembly inhibitor. Nature Structural and Molecular Biology, 2005, 12, 678-682.	3.6	167
8	Protein-protein recognition analyzed by docking simulation. Proteins: Structure, Function and Bioinformatics, 1991, 11, 271-280.	1.5	147
9	The Crystal Structure of Human α_2 -Macroglobulin Reveals a Unique Molecular Cage. Angewandte Chemie - International Edition, 2012, 51, 3340-3344.	7.2	103
10	The respiratory syncytial virus nucleoprotein-RNA complex forms a left-handed helical nucleocapsid. Journal of General Virology, 2013, 94, 1734-1738.	1.3	90
11	The picobirnavirus crystal structure provides functional insights into virion assembly and cell entry. EMBO Journal, 2009, 28, 1655-1665.	3.5	87
12	Central ions and lateral asparagine/glutamine zippers stabilize the post-fusion hairpin conformation of the SARS coronavirus spike glycoprotein. Virology, 2005, 335, 276-285.	1.1	84
13	Structural insights into the neutralization mechanism of a higher primate antibody against dengue virus. EMBO Journal, 2012, 31, 767-779.	3.5	81
14	X-ray structure and catalytic mechanism of lobster enolase. Biochemistry, 1995, 34, 12513-12523.	1.2	70
15	Covalently linked dengue virus envelope glycoprotein dimers reduce exposure of the immunodominant fusion loop epitope. Nature Communications, 2017, 8, 15411.	5.8	69
16	Characterization of a Viral Phosphoprotein Binding Site on the Surface of the Respiratory Syncytial Nucleoprotein. Journal of Virology, 2012, 86, 8375-8387.	1.5	64
17	Crystal Structure of a Human Autoimmune Complex between IgM Rheumatoid Factor RF61 and IgG1 Fc Reveals a Novel Epitope and Evidence for Affinity Maturation. Journal of Molecular Biology, 2007, 368, 1321-1331.	2.0	61
18	A Druggable Pocket at the Nucleocapsid/Phosphoprotein Interaction Site of Human Respiratory Syncytial Virus. Journal of Virology, 2015, 89, 11129-11143.	1.5	56

#	ARTICLE	IF	CITATIONS
19	Crystal Structure of a Pivotal Domain of Human Syncytin-2, A 40 Million Years Old Endogenous Retrovirus Fusogenic Envelope Gene Captured by Primates. <i>Journal of Molecular Biology</i> , 2005, 352, 1029-1034.	2.0	49
20	DARPin-Assisted Crystallography of the CC2-LZ Domain of NEMO Reveals a Coupling between Dimerization and Ubiquitin Binding. <i>Journal of Molecular Biology</i> , 2010, 395, 89-104.	2.0	44
21	The crystal structure of a bacterial Class II ketol-acid reductoisomerase: Domain conservation and evolution. <i>Protein Science</i> , 2005, 14, 3089-3100.	3.1	40
22	The epitope arrangement on flavivirus particles contributes to Mab C10a™s extraordinary neutralization breadth across Zika and dengue viruses. <i>Cell</i> , 2021, 184, 6052-6066.e18.	13.5	38
23	Structural and functional insights into <i>Escherichia coli</i> $\hat{\pm}$ ₂ -macroglobulin endopeptidase snap-trap inhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8290-8295.	3.3	34
24	Alphavirus structure: activation for entry at the target cell surface. <i>Current Opinion in Virology</i> , 2013, 3, 151-158.	2.6	30
25	Coronavirus Escape from Heptad Repeat 2 (HR2)-Derived Peptide Entry Inhibition as a Result of Mutations in the HR1 Domain of the Spike Fusion Protein. <i>Journal of Virology</i> , 2008, 82, 2580-2585.	1.5	25
26	A Zinc Ion Controls Assembly and Stability of the Major Capsid Protein of Rotavirus. <i>Journal of Virology</i> , 2003, 77, 3595-3601.	1.5	24
27	Structural and functional insight into pan-endopeptidase inhibition by $\hat{\pm}$ 2-macroglobulins. <i>Biological Chemistry</i> , 2017, 398, 975-994.	1.2	19
28	Evolution and activation mechanism of the flavivirus class II membrane-fusion machinery. <i>Nature Communications</i> , 2022, 13, .	5.8	17
29	Picobirnaviruses encode a protein with repeats of the ExxRxNxxxE motif. <i>Virus Research</i> , 2011, 158, 251-256.	1.1	14
30	Scaffolds for protein crystallisation. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 1715-1721.	2.5	11
31	X-Ray Structure of the Pestivirus NS3 Helicase and Its Conformation in Solution. <i>Journal of Virology</i> , 2015, 89, 4356-4371.	1.5	11
32	Structural Principles of the Flavivirus Particle Organization and of Its Conformational Changes. , 2021, , 290-302.		3