

Xavier Robert

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

6,961
citations

840776

11
h-index

501196

28
g-index

31
all docs

31
docs citations

31
times ranked

12786
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Deciphering key features in protein structures with the new ENDscript server. <i>Nucleic Acids Research</i> , 2014, 42, W320-W324. | 14.5 | 5,136 |
| 2 | ESPrpt/ENDscript: extracting and rendering sequence and 3D information from atomic structures of proteins. <i>Nucleic Acids Research</i> , 2003, 31, 3320-3323. | 14.5 | 1,207 |
| 3 | The Structure of Barley α -Amylase Isozyme 1 Reveals a Novel Role of Domain C in Substrate Recognition and Binding. <i>Structure</i> , 2003, 11, 973-984. | 3.3 | 142 |
| 4 | Trehalulose Synthase Native and Carbohydrate Complexed Structures Provide Insights into Sucrose Isomerization. <i>Journal of Biological Chemistry</i> , 2007, 282, 28126-28136. | 3.4 | 69 |
| 5 | Oligosaccharide Binding to Barley α -Amylase 1. <i>Journal of Biological Chemistry</i> , 2005, 280, 32968-32978. | 3.4 | 67 |
| 6 | PeIN Is a New Pectate Lyase of <i>Dickeya dadantii</i> with Unusual Characteristics. <i>Journal of Bacteriology</i> , 2013, 195, 2197-2206. | 2.2 | 48 |
| 7 | The Extended Conformation of the 2.9-Å... Crystal Structure of the Three-PASTA Domain of a Ser/Thr Kinase from the Human Pathogen <i>Staphylococcus aureus</i> . <i>Journal of Molecular Biology</i> , 2010, 404, 847-858. | 4.2 | 40 |
| 8 | Substrate recognition by the bacterial type II secretion system: more than a simple interaction. <i>Molecular Microbiology</i> , 2014, 94, 126-140. | 2.5 | 38 |
| 9 | Dynamic Interplay between the Periplasmic and Transmembrane Domains of GspL and GspM in the Type II Secretion System. <i>PLoS ONE</i> , 2013, 8, e79562. | 2.5 | 34 |
| 10 | Structural determinants of product specificity of sucrose isomerases. <i>FEBS Letters</i> , 2009, 583, 1964-1968. | 2.8 | 22 |
| 11 | Multi-site substrate binding and interplay in barley α -amylase 1. <i>FEBS Letters</i> , 2008, 582, 2567-2571. | 2.8 | 18 |
| 12 | Modulation of the functional association between the HIV-1 intasome and the nucleosome by histone amino-terminal tails. <i>Retrovirology</i> , 2017, 14, 54. | 2.0 | 15 |
| 13 | Human H4 tail stimulates HIV-1 integration through binding to the carboxy-terminal domain of integrase. <i>Nucleic Acids Research</i> , 2019, 47, 3607-3618. | 14.5 | 15 |
| 14 | X-ray diffraction reveals the intrinsic difference in the physical properties of membrane and soluble proteins. <i>Scientific Reports</i> , 2017, 7, 17013. | 3.3 | 13 |
| 15 | Novel and selective inactivators of Triosephosphate isomerase with anti-trematode activity. <i>Scientific Reports</i> , 2020, 10, 2587. | 3.3 | 12 |
| 16 | Mutations inducing an active-site aperture in <i>Rhizobium</i> sp. sucrose isomerase confer hydrolytic activity. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 298-307. | 2.5 | 11 |
| 17 | Identification and visualization of protein binding regions with the ArDock server. <i>Nucleic Acids Research</i> , 2018, 46, W417-W422. | 14.5 | 11 |
| 18 | A Crystal Structure of the Catalytic Core Domain of an Avian Sarcoma and Leukemia Virus Integrase Suggests an Alternate Dimeric Assembly. <i>PLoS ONE</i> , 2011, 6, e23032. | 2.5 | 11 |

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|----|--|-----|-----------|
| 19 | Expression, purification and preliminary crystallographic studies of Î±-amylase isozyme 1 from barley seeds. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 683-686. | 2.5 | 10 |
| 20 | Exploring molecular determinants of polysaccharide lyase family 6A1 enzyme activity. <i>Glycobiology</i> , 2021, 31, 1557-1570. | 2.5 | 9 |
| 21 | Looking for Novel Capsid Protein Multimerization Inhibitors of Feline Immunodeficiency Virus. <i>Pharmaceuticals</i> , 2018, 11, 67. | 3.8 | 7 |
| 22 | Structure-function analysis of pectate lyase Pel3 reveals essential facets of protein recognition by the bacterial type 2 secretion system. <i>Journal of Biological Chemistry</i> , 2021, 296, 100305. | 3.4 | 6 |
| 23 | Insights into sucrose isomerization from crystal structures of the <i>Pseudomonas mesoacidophila</i> MX-45 sucrose isomerase, MutB. <i>Biocatalysis and Biotransformation</i> , 2008, 26, 111-119. | 2.0 | 5 |
| 24 | Pyrazol(in)e derivatives of curcumin analogs as a new class of anti- <i>Trypanosoma cruzi</i> agents. <i>Future Medicinal Chemistry</i> , 2021, 13, 701-714. | 2.3 | 5 |
| 25 | Au courant computation of the PDB to audit diffraction anisotropy of soluble and membrane proteins. <i>Data in Brief</i> , 2018, 19, 753-757. | 1.0 | 3 |
| 26 | Identification of a Potential Inhibitor of the FIV p24 Capsid Protein and Characterization of Its Binding Site. <i>Biochemistry</i> , 2021, 60, 1896-1908. | 2.5 | 3 |
| 27 | Crystallization and initial X-ray diffraction study of the three PASTA domains of the Ser/Thr kinase Stk1 from the human pathogen <i>Staphylococcus aureus</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 1187-1189. | 0.7 | 2 |
| 28 | Scaffolding Protein GspB/OutB Facilitates Assembly of the <i>Dickeya dadantii</i> Type 2 Secretion System by Anchoring the Outer Membrane Secretin Pore to the Inner Membrane and to the Peptidoglycan Cell Wall. <i>MBio</i> , 2022, 13, e0025322. | 4.1 | 2 |
| 29 | Identification of 2-(4-N,N-Dimethylaminophenyl)-5-methyl-1-phenethyl-1H-benzimidazole targeting HIV-1 CA capsid protein and inhibiting HIV-1 replication in cellulo. <i>BMC Pharmacology & Toxicology</i> , 2022, 23, . | 2.4 | 0 |