

Florian K M Schur

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,178
citations

567144

15
h-index

642610

23
g-index

33
all docs

33
docs citations

33
times ranked

2359
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Exploring high-resolution cryo-ET and subtomogram averaging capabilities of contemporary DEDs. <i>Journal of Structural Biology</i> , 2022, 214, 107852. | 1.3 | 18 |
| 2 | Structure of the mature Rous sarcoma virus lattice reveals a role for IP6 in the formation of the capsid hexamer. <i>Nature Communications</i> , 2021, 12, 3226. | 5.8 | 18 |
| 3 | Cul3 regulates cytoskeleton protein homeostasis and cell migration during a critical window of brain development. <i>Nature Communications</i> , 2021, 12, 3058. | 5.8 | 18 |
| 4 | A Structural Perspective of the Role of IP6 in Immature and Mature Retroviral Assembly. <i>Viruses</i> , 2021, 13, 1853. | 1.5 | 13 |
| 5 | Cryo-electron tomography structure of Arp2/3 complex in cells reveals new insights into the branch junction. <i>Nature Communications</i> , 2020, 11, 6437. | 5.8 | 59 |
| 6 | 3D printed cell culture grid holders for improved cellular specimen preparation in cryo-electron microscopy. <i>Journal of Structural Biology</i> , 2020, 212, 107633. | 1.3 | 18 |
| 7 | Structures of immature EIAV Gag lattices reveal a conserved role for IP6 in lentivirus assembly. <i>PLoS Pathogens</i> , 2020, 16, e1008277. | 2.1 | 44 |
| 8 | Structures of immature EIAV Gag lattices reveal a conserved role for IP6 in lentivirus assembly. , 2020, 16, e1008277. | | 0 |
| 9 | Structures of immature EIAV Gag lattices reveal a conserved role for IP6 in lentivirus assembly. , 2020, 16, e1008277. | | 0 |
| 10 | Structures of immature EIAV Gag lattices reveal a conserved role for IP6 in lentivirus assembly. , 2020, 16, e1008277. | | 0 |
| 11 | Structures of immature EIAV Gag lattices reveal a conserved role for IP6 in lentivirus assembly. , 2020, 16, e1008277. | | 0 |
| 12 | Structures of immature EIAV Gag lattices reveal a conserved role for IP6 in lentivirus assembly. , 2020, 16, e1008277. | | 0 |
| 13 | Structural analysis of pleomorphic and asymmetric viruses using cryo-electron tomography and subtomogram averaging. <i>Advances in Virus Research</i> , 2019, 105, 117-159. | 0.9 | 18 |
| 14 | Toward high-resolution in situ structural biology with cryo-electron tomography and subtomogram averaging. <i>Current Opinion in Structural Biology</i> , 2019, 58, 1-9. | 2.6 | 85 |
| 15 | Structure and architecture of immature and mature murine leukemia virus capsids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11751-E11760. | 3.3 | 92 |
| 16 | Inositol phosphates are assembly co-factors for HIV-1. <i>Nature</i> , 2018, 560, 509-512. | 13.7 | 186 |
| 17 | Efficient 3D-CTF correction for cryo-electron tomography using NovaCTF improves subtomogram averaging resolution to 3.4 Å.... <i>Journal of Structural Biology</i> , 2017, 199, 187-195. | 1.3 | 219 |
| 18 | Nucleic Acid Binding by Mason-Pfizer Monkey Virus CA Promotes Virus Assembly and Genome Packaging. <i>Journal of Virology</i> , 2016, 90, 4593-4603. | 1.5 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | An atomic model of HIV-1 capsid-SP1 reveals structures regulating assembly and maturation. <i>Science</i> , 2016, 353, 506-508. | 6.0 | 375 |
| 20 | Diversified actin protrusions promote environmental exploration but are dispensable for locomotion of <i>Leukocytes</i> . <i>Nature Cell Biology</i> , 2016, 18, 1253-1259. | 4.6 | 150 |
| 21 | Retrovirus maturation – an extraordinary structural transformation. <i>Current Opinion in Virology</i> , 2016, 18, 27-35. | 2.6 | 64 |
| 22 | The Structure of Immature Virus-Like Rous Sarcoma Virus Gag Particles Reveals a Structural Role for the p10 Domain in Assembly. <i>Journal of Virology</i> , 2015, 89, 10294-10302. | 1.5 | 61 |
| 23 | Structure of the immature HIV-1 capsid in intact virus particles at 8.8 Å... resolution. <i>Nature</i> , 2015, 517, 505-508. | 13.7 | 277 |
| 24 | Cryo-electron microscopy of tubular arrays of HIV-1 Gag resolves structures essential for immature virus assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8233-8238. | 3.3 | 98 |
| 25 | Determination of protein structure at 8.5 Å... resolution using cryo-electron tomography and sub-tomogram averaging. <i>Journal of Structural Biology</i> , 2013, 184, 394-400. | 1.3 | 85 |
| 26 | Rac function is critical for cell migration but not required for spreading and focal adhesion formation. <i>Journal of Cell Science</i> , 2013, 126, 4572-88. | 1.2 | 139 |
| 27 | Actin branching in the initiation and maintenance of lamellipodia. <i>Journal of Cell Science</i> , 2012, 125, 2775-85. | 1.2 | 118 |