# Elizabeth R Wright

List of Publications by Year
in descending order



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|---|---|---|---|
| 37 papers | 2,106 citations | 331538 21 h-index | 434063 31 g-index |
| 43 all docs | 43 docs citations | 43 times ranked | 3375 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Electron cryotomography of immature HIV-1 virions reveals the structure of the CA and SP1 Gag shells. EMBO Journal, 2007, 26, 2218-2226. | 3.5 | 292 |
| 2 | Glutamate Dehydrogenase 1 Signals through Antioxidant Glutathione Peroxidase 1 to Regulate Redox Homeostasis and Tumor Growth. Cancer Cell, 2015, 27, 257-270. | 7.7 | 269 |
| 3 | Obstruction of pilus retraction stimulates bacterial surface sensing. Science, 2017, 358, 535-538. | 6.0 | 231 |
| 4 | Vibrio cholerae Outer Membrane Vesicles Inhibit Bacteriophage Infection. Journal of Bacteriology, 2018, 200, . | 1.0 | 135 |
| 5 | Alternative mechanism for bacteriophage adsorption to the motile bacterium Caulobacter crescentus. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9963-9968. | 3.3 | 114 |
| 6 | Promotion of virus assembly and organization by the measles virus matrix protein. Nature Communications, 2018, 9, 1736. | 5.8 | 114 |
| 7 | Correlated fluorescence microscopy and cryo-electron tomography of virus-infected or transfected mammalian cells. Nature Protocols, 2017, 12, 150-167. | 5.5 | 109 |
| 8 | Structural Analysis of Respiratory Syncytial Virus Reveals the Position of M2-1 between the Matrix Protein and the Ribonucleoprotein Complex. Journal of Virology, 2014, 88, 7602-7617. | 1.5 | 100 |
| 9 | A live RSV vaccine with engineered thermostability is immunogenic in cotton rats despite high attenuation. Nature Communications, 2016, 7, 13916. | 5.8 | 81 |
| 10 | The Morphology and Assembly of Respiratory Syncytial Virus Revealed by Cryo-Electron Tomography. Viruses, 2018, 10, 446. | 1.5 | 69 |
| 11 | A â€œflipâ€“flopâ€•rotation stage for routine dual-axis electron cryotomography. Journal of Structural Biology, 2005, 151, 288-297. | 1.3 | 61 |
| 12 | Observations on the behavior of vitreous ice at â^¼82 andâ^¼12K. Journal of Structural Biology, 2006, 153, 241-252. | 1.3 | 59 |
| 13 | Self-Assembly of an Î±-Helical Peptide into a Crystalline Two-Dimensional Nanoporous Framework. Journal of the American Chemical Society, 2016, 138, 16274-16282. | 6.6 | 53 |
| 14 | Peripheral myelin protein 22 alters membrane architecture. Science Advances, 2017, 3, e1700220. | 4.7 | 49 |
| 15 | Engineering Globular Protein Vesicles through Tunable Selfâ€Assembly of Recombinant Fusion Proteins. Small, 2017, 13, 1700399. | 5.2 | 41 |
| 16 | Multivalent nanoparticle-based vaccines protect hamsters against SARS-CoV-2 after a single immunization. Communications Biology, 2021, 4, 597. | 2.0 | 35 |
| 17 | The Opportunistic Pathogen Vibrio vulnificus Produces Outer Membrane Vesicles in a Spatially Distinct Manner Related to Capsular Polysaccharide. Frontiers in Microbiology, 2017, 8, 2177. | 1.5 | 32 |
| 18 | The Ms6 Mycolyl-Arabinogalactan Esterase LysB is Essential for an Efficient Mycobacteriophage-Induced Lysis. Viruses, 2017, 9, 343. | 1.5 | 31 |

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|---|---|---|---|
| 19 | Native Immunogold Labeling of Cell Surface Proteins and Viral Glycoproteins for Cryo-Electron Microscopy and Cryo-Electron Tomography Applications. Journal of Histochemistry and Cytochemistry, 2015, 63, 780-792. | 1.3 | 30 |
| 20 | Three-Dimensional Structural Characterization of HIV-1 Tethered to Human Cells. Journal of Virology, 2016, 90, 1507-1521. | 1.5 | 27 |
| 21 | CorRelator: Interactive software for real-time high precision cryo-correlative light and electron microscopy. Journal of Structural Biology, 2021, 213, 107709. | 1.3 | 26 |
| 22 | Flagellar Structures from the Bacterium Caulobacter crescentus and Implications for Phage  Ι•  CbK Predation of Multiflagellin Bacteria. Journal of Bacteriology, 2021, 203, . | 1.0 | 21 |
| 23 | Zernike phase contrast cryo-electron tomography of whole bacterial cells. Journal of Structural Biology, 2014, 185, 129-133. | 1.3 | 20 |
| 24 | Capturing Enveloped Viruses on Affinity Grids for Downstream Cryo-Electron Microscopy Applications. Microscopy and Microanalysis, 2014, 20, 164-174. | 0.2 | 17 |
| 25 | Biological Applications at the Cutting Edge of Cryo-Electron Microscopy. Microscopy and Microanalysis, 2018, 24, 406-419. | 0.2 | 13 |
| 26 | Micropatterning Transmission Electron Microscopy Grids to Direct Cell Positioning within Whole-Cell Cryo-Electron Tomography Workflows. Journal of Visualized Experiments, 2021, , . | 0.2 | 10 |
| 27 | Two RSV Platforms for G, F, or G+F Proteins VLPs. Viruses, 2020, 12, 906. | 1.5 | 7 |
| 28 | Correlative Structural Biology: How to Investigate the Fine Details of Viral Structure. Viruses, 2010, 2, 107-110. | 1.5 | 2 |
| 29 | Characterization of Outer Membrane Vesicle Release in Vibrio vulnificus. Microscopy and Microanalysis, 2015, 21, 1281-1282. | 0.2 | 1 |
| 30 | Analysis of Phage-Pilus Interactions in Caulobacter crescentus. Microscopy and Microanalysis, 2016, 22, 202-203. | 0.2 | 1 |
| 31 | Immunogold Labeling of Cultured Cells and Virus Particles for Electron Microscopy and Cryo-Electron Microscopy Applications.. Microscopy and Microanalysis, 2014, 20, 1220-1221. | 0.2 | 0 |
| 32 | Correlating Cryo-Electron Microscopy Methods for Structural Studies of Bacteria. Microscopy and Microanalysis, 2015, 21, 383-384. | 0.2 | 0 |
| 33 | Strategies for CLEM Imaging.. Microscopy and Microanalysis, 2016, 22, 1102-1103. | 0.2 | 0 |
| 34 | Cryo-Electron Tomography Provides Insight into the Native Architecture of the Measles Virus Assembly Site. Microscopy and Microanalysis, 2016, 22, 1136-1137. | 0.2 | 0 |
| 35 | The Near-to-Native-State Architecture of Measles Virus Assembly Sites and Isolated Measles Virus Particles. Microscopy and Microanalysis, 2017, 23, 1228-1229. | 0.2 | 0 |
| 36 | Correlative Microscopy of the Caulobacter crescentus Flagellum Reveals How Changes to the Flagellin Protein Sequence Regulate Structure and Function.. Microscopy and Microanalysis, 2018, 24, 1338-1339. | 0.2 | 0 |

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|---|---|---|---|
| 37 | Microscopy & Microanalysis 2021 Virtual. Microscopy Today, 2022, 30, 10-12. | 0.2 | 0 |