

Seema Mattoo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8741307/publications.pdf>

Version: 2024-02-01

32
papers

2,830
citations

331538

21
h-index

477173

29
g-index

34
all docs

34
docs citations

34
times ranked

2511
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Molecular Pathogenesis, Epidemiology, and Clinical Manifestations of Respiratory Infections Due to <i>Bordetella pertussis</i> and Other <i>Bordetella</i> Subspecies. <i>Clinical Microbiology Reviews</i> , 2005, 18, 326-382. | 5.7 | 968 |
| 2 | Identification of a Bacterial Type III Effector Family with G Protein Mimicry Functions. <i>Cell</i> , 2006, 124, 133-145. | 13.5 | 246 |
| 3 | The Fic Domain: Regulation of Cell Signaling by Adenylylation. <i>Molecular Cell</i> , 2009, 34, 93-103. | 4.5 | 246 |
| 4 | Filamentous Hemagglutinin of <i>Bordetella bronchiseptica</i> Is Required for Efficient Establishment of Tracheal Colonization. <i>Infection and Immunity</i> , 1998, 66, 5921-5929. | 1.0 | 141 |
| 5 | The phosphatase laforin crosses evolutionary boundaries and links carbohydrate metabolism to neuronal disease. <i>Journal of Cell Biology</i> , 2007, 178, 477-488. | 2.3 | 140 |
| 6 | The Bvg Virulence Control System Regulates Biofilm Formation in <i>Bordetella bronchiseptica</i> . <i>Journal of Bacteriology</i> , 2004, 186, 5692-5698. | 1.0 | 110 |
| 7 | A Novel Link between Fic (Filamentation Induced by cAMP)-mediated Adenylylation/AMPylation and the Unfolded Protein Response. <i>Journal of Biological Chemistry</i> , 2015, 290, 8482-8499. | 1.6 | 99 |
| 8 | Mechanisms of <i>bordetella</i> pathogenesis. <i>Frontiers in Bioscience - Landmark</i> , 2001, 6, e168. | 3.0 | 92 |
| 9 | Structural basis of Fic-mediated adenylylation. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 1004-1010. | 3.6 | 89 |
| 10 | Role of <i>Bordetella bronchiseptica</i> Fimbriae in Tracheal Colonization and Development of a Humoral Immune Response. <i>Infection and Immunity</i> , 2000, 68, 2024-2033. | 1.0 | 84 |
| 11 | A genome-wide screen identifies a <i>Bordetella</i> type III secretion effector and candidate effectors in other species. <i>Molecular Microbiology</i> , 2005, 58, 267-279. | 1.2 | 84 |
| 12 | Regulation of type III secretion in <i>Bordetella</i> . <i>Molecular Microbiology</i> , 2004, 52, 1201-1214. | 1.2 | 75 |
| 13 | Interactions of bacterial effector proteins with host proteins. <i>Current Opinion in Immunology</i> , 2007, 19, 392-401. | 2.4 | 66 |
| 14 | <i>Histophilus somni</i> IbpA DR2/Fic in Virulence and Immunoprotection at the Natural Host Alveolar Epithelial Barrier. <i>Infection and Immunity</i> , 2010, 78, 1850-1858. | 1.0 | 61 |
| 15 | Comparative Analysis of <i>Histophilus somni</i> Immunoglobulin-binding Protein A (IbpA) with Other Fic Domain-containing Enzymes Reveals Differences in Substrate and Nucleotide Specificities. <i>Journal of Biological Chemistry</i> , 2011, 286, 32834-32842. | 1.6 | 58 |
| 16 | <i>Bordetella</i> Bsp22 forms a filamentous type III secretion system tip complex and is immunoprotective <i>in vitro</i> and <i>in vivo</i> . <i>Molecular Microbiology</i> , 2009, 71, 492-504. | 1.2 | 57 |
| 17 | Interactions between Partner Switcher Orthologs BtrW and BtrV Regulate Type III Secretion in <i>Bordetella</i> . <i>Journal of Bacteriology</i> , 2005, 187, 5665-5676. | 1.0 | 45 |
| 18 | Alpha-Synuclein Is a Target of Fic-Mediated Adenylylation/AMPylation: Possible Implications for Parkinson's Disease. <i>Journal of Molecular Biology</i> , 2019, 431, 2266-2282. | 2.0 | 35 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Calcein Release Assay to Measure Membrane Permeabilization by Recombinant Alpha-Synuclein. Bio-protocol, 2020, 10, . | 0.2 | 31 |
| 20 | CryoAPEX – an electron tomography tool for subcellular localization of membrane proteins. Journal of Cell Science, 2019, 132, . | 1.2 | 28 |
| 21 | 3-Carboxy-cis,cis-muconate lactonizing enzyme from <i>Neurospora crassa</i> : an alternate cycloisomerase motif. Journal of Bacteriology, 1994, 176, 1718-1728. | 1.0 | 27 |
| 22 | Cross-Species Protection Mediated by a <i>Bordetella bronchiseptica</i> Strain Lacking Antigenic Homologs Present in Acellular Pertussis Vaccines. Infection and Immunity, 2010, 78, 2008-2016. | 1.0 | 9 |
| 23 | A single tyrosine phosphorylation site in cortactin is important for filopodia formation in neuronal growth cones. Molecular Biology of the Cell, 2019, 30, 1817-1833. | 0.9 | 9 |
| 24 | N-terminal autoprocessing and acetylation of multifunctional autoprocessing repeats in toxins (MARTX) Makes Caterpillars Floppy-like effector is stimulated by adenosine diphosphate (ADP) – Ribosylation Factor 1 in advance of Golgi fragmentation. Cellular Microbiology, 2020, 22, e13133. | 1.1 | 9 |
| 25 | Kinetic and structural parameters governing Fic-mediated adenylation/AMPylation of the Hsp70 chaperone, BiP/GRP78. Cell Stress and Chaperones, 2021, 26, 639-656. | 1.2 | 8 |
| 26 | A Fluorescence Polarization-Based High-Throughput Screen to Identify the First Small-Molecule Modulators of the Human Adenylyltransferase HYPE/FICD. International Journal of Molecular Sciences, 2020, 21, 7128. | 1.8 | 4 |
| 27 | The CryoAPEX Method for Electron Microscopy Analysis of Membrane Protein Localization Within Ultrastructurally-Preserved Cells. Journal of Visualized Experiments, 2020, , . | 0.2 | 4 |
| 28 | Subversion of Myosin Function by <i>E. coli</i> . Developmental Cell, 2008, 14, 8-10. | 3.1 | 3 |
| 29 | In vitro AMPylation/Adenylation of Alpha-synuclein by HYPE/FICD. Bio-protocol, 2020, 10, e3760. | 0.2 | 1 |
| 30 | YopT domain of the PfhB2 toxin from <i>Pasteurella multocida</i> : protein expression, characterization, crystallization and crystallographic analysis. Acta Crystallographica Section F, Structural Biology Communications, 2018, 74, 128-134. | 0.4 | 0 |
| 31 | A Co-purification Method for Efficient Production and Src Kinase-mediated Phosphorylation of Aplysia Cortactin. Bio-protocol, 2021, 11, e4158. | 0.2 | 0 |
| 32 | Utilizing Red Algae to Understand a Neurodegenerative Disease. Cellular Origin and Life in Extreme Habitats, 2010, , 149-169. | 0.3 | 0 |