

# Seema Mattoo

## List of Publications by Year in descending order

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32  
papers

2,830  
citations

331670

21  
h-index

477307

29  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2511  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Co-purification Method for Efficient Production and Src Kinase-mediated Phosphorylation of Aplysia Cortactin. Bio-protocol, 2021, 11, e4158.	0.4	0
2	Kinetic and structural parameters governing Fic-mediated adenylylation/AMPylation of the Hsp70 chaperone, BiP/GRP78. Cell Stress and Chaperones, 2021, 26, 639-656.	2.9	8
3	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.	2.1	9
4	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.	4.1	4
5	The CryoAPEX Method for Electron Microscopy Analysis of Membrane Protein Localization Within Ultrastructurally-Preserved Cells. Journal of Visualized Experiments, 2020, , .	0.3	4
6	Calcein Release Assay to Measure Membrane Permeabilization by Recombinant Alpha-Synuclein. Bio-protocol, 2020, 10, .	0.4	31
7	In vitro AMPylation/Adenylylation of Alpha-synuclein by HYPE/FICD. Bio-protocol, 2020, 10, e3760.	0.4	1
8	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.	2.1	9
9	Alpha-Synuclein Is a Target of Fic-Mediated Adenylylation/AMPylation: Possible Implications for Parkinson's Disease. Journal of Molecular Biology, 2019, 431, 2266-2282.	4.2	35
10	CryoAPEX – an electron tomography tool for subcellular localization of membrane proteins. Journal of Cell Science, 2019, 132, .	2.0	28
11	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.	0.8	0
12	A Novel Link between Fic (Filamentation Induced by cAMP)-mediated Adenylylation/AMPylation and the Unfolded Protein Response. Journal of Biological Chemistry, 2015, 290, 8482-8499.	3.4	99
13	Comparative Analysis of Histophilus somni Immunoglobulin-binding Protein A (IbpA) with Other Fic Domain-containing Enzymes Reveals Differences in Substrate and Nucleotide Specificities. Journal of Biological Chemistry, 2011, 286, 32834-32842.	3.4	58
14	Structural basis of Fic-mediated adenylylation. Nature Structural and Molecular Biology, 2010, 17, 1004-1010.	8.2	89
15	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.	2.2	9
16	<i>Histophilus somni</i> IbpA DR2/Fic in Virulence and Immunoprotection at the Natural Host Alveolar Epithelial Barrier. Infection and Immunity, 2010, 78, 1850-1858.	2.2	61
17	Utilizing Red Algae to Understand a Neurodegenerative Disease. Cellular Origin and Life in Extreme Habitats, 2010, , 149-169.	0.3	0
18	<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> . Molecular Microbiology, 2009, 71, 492-504.	2.5	57

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19	The Fic Domain: Regulation of Cell Signaling by Adenylylation. <i>Molecular Cell</i> , 2009, 34, 93-103.	9.7	246
20	Subversion of Myosin Function by <i>E. coli</i> . <i>Developmental Cell</i> , 2008, 14, 8-10.	7.0	3
21	The phosphatase laforin crosses evolutionary boundaries and links carbohydrate metabolism to neuronal disease. <i>Journal of Cell Biology</i> , 2007, 178, 477-488.	5.2	140
22	Interactions of bacterial effector proteins with host proteins. <i>Current Opinion in Immunology</i> , 2007, 19, 392-401.	5.5	66
23	Identification of a Bacterial Type III Effector Family with G Protein Mimicry Functions. <i>Cell</i> , 2006, 124, 133-145.	28.9	246
24	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.	2.5	84
25	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.	2.2	45
26	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.	13.6	968
27	The Bvg Virulence Control System Regulates Biofilm Formation in <i>Bordetella bronchiseptica</i> . <i>Journal of Bacteriology</i> , 2004, 186, 5692-5698.	2.2	110
28	Regulation of type III secretion in <i>Bordetella</i> . <i>Molecular Microbiology</i> , 2004, 52, 1201-1214.	2.5	75
29	Mechanisms of <i>bordetella</i> pathogenesis. <i>Frontiers in Bioscience - Landmark</i> , 2001, 6, e168.	3.0	92
30	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.	2.2	84
31	Filamentous Hemagglutinin of <i>Bordetella bronchiseptica</i> Is Required for Efficient Establishment of Tracheal Colonization. <i>Infection and Immunity</i> , 1998, 66, 5921-5929.	2.2	141
32	3-Carboxy-cis,cis-muconate lactonizing enzyme from <i>Neurospora crassa</i> : an alternate cycloisomerase motif. <i>Journal of Bacteriology</i> , 1994, 176, 1718-1728.	2.2	27