

# Jyoti S Choudhary

## List of Publications by Year in descending order

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Version: 2024-02-01

138  
papers

16,620  
citations

34016

52  
h-index

19136

118  
g-index

154  
all docs

154  
docs citations

154  
times ranked

29792  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | GENCODE reference annotation for the human and mouse genomes. <i>Nucleic Acids Research</i> , 2019, 47, D766-D773.   | 6.5  | 2,350     |
| 2  | A polygenic burden of rare disruptive mutations in schizophrenia. <i>Nature</i> , 2014, 506, 185-190.  | 13.7 | 1,305     |
| 3  | Proteomic analysis of NMDA receptorâ€“adhesion protein signaling complexes. <i>Nature Neuroscience</i> , 2000, 3, 661-669.   | 7.1  | 1,122     |
| 4  | De novo CNV analysis implicates specific abnormalities of postsynaptic signalling complexes in the pathogenesis of schizophrenia. <i>Molecular Psychiatry</i> , 2012, 17, 142-153.                               | 4.1  | 775       |
| 5  | GENCODE 2021. <i>Nucleic Acids Research</i> , 2021, 49, D916-D923.   | 6.5  | 633       |
| 6  | OpenMS: a flexible open-source software platform for mass spectrometry data analysis. <i>Nature Methods</i> , 2016, 13, 741-748.   | 9.0  | 537       |
| 7  | Expression Atlas updateâ€“an integrated database of gene and protein expression in humans, animals and plants. <i>Nucleic Acids Research</i> , 2016, 44, D746-D752.  | 6.5  | 526       |
| 8  | Characterization of the proteome, diseases and evolution of the human postsynaptic density. <i>Nature Neuroscience</i> , 2011, 14, 19-21.  | 7.1  | 449       |
| 9  | Accurate and Sensitive Peptide Identification with Mascot Percolator. <i>Journal of Proteome Research</i> , 2009, 8, 3176-3181.  | 1.8  | 399       |
| 10 | Molecular characterization and comparison of the components and multiprotein complexes in the postsynaptic proteome. <i>Journal of Neurochemistry</i> , 2006, 97, 16-23.   | 2.1  | 397       |
| 11 | An Expanded Oct4 Interaction Network: Implications for Stem Cell Biology, Development, and Disease. <i>Cell Stem Cell</i> , 2010, 6, 382-395.  | 5.2  | 338       |
| 12 | Proteomic Analysis of in Vivo Phosphorylated Synaptic Proteins. <i>Journal of Biological Chemistry</i> , 2005, 280, 5972-5982.   | 1.6  | 300       |
| 13 | Prmt5 is essential for early mouse development and acts in the cytoplasm to maintain ES cell pluripotency. <i>Genes and Development</i> , 2010, 24, 2772-2777.   | 2.7  | 287       |
| 14 | Targeted tandem affinity purification of PSDâ€“95 recovers core postsynaptic complexes and schizophrenia susceptibility proteins. <i>Molecular Systems Biology</i> , 2009, 5, 269.                               | 3.2  | 245       |
| 15 | Proteomics Characterization of Abundant Golgi Membrane Proteins. <i>Journal of Biological Chemistry</i> , 2001, 276, 5152-5165.  | 1.6  | 217       |
| 16 | Proteomic and Genomic Characterization of Highly Infectious <i>Clostridium difficile</i> 630 Spores. <i>Journal of Bacteriology</i> , 2009, 191, 5377-5386.  | 1.0  | 210       |
| 17 | A Strand-Specific RNAâ€“Seq Analysis of the Transcriptome of the Typhoid Bacillus <i>Salmonella Typhi</i> . <i>PLoS Genetics</i> , 2009, 5, e1000569.  | 1.5  | 202       |
| 18 | Phosphoinositide Metabolism Links cGMP-Dependent Protein Kinase G to Essential Ca <sup>2+</sup> Signals at Key Decision Points in the Life Cycle of Malaria Parasites. <i>PLoS Biology</i> , 2014, 12, e1001806. | 2.6  | 185       |

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|----|--|------|-----------|
| 19 | Comparative Study of Human and Mouse Postsynaptic Proteomes Finds High Compositional Conservation and Abundance Differences for Key Synaptic Proteins. <i>PLoS ONE</i> , 2012, 7, e46683.                        | 1.1  | 179       |
| 20 | Proteogenomics of Non-smoking Lung Cancer in East Asia Delineates Molecular Signatures of Pathogenesis and Progression. <i>Cell</i> , 2020, 182, 226-244.e17.  | 13.5 | 178       |
| 21 | Analysis of Protein Palmitoylation Reveals a Pervasive Role in Plasmodium Development and Pathogenesis. <i>Cell Host and Microbe</i> , 2012, 12, 246-258.  | 5.1  | 177       |
| 22 | A Knockout Screen of ApiAP2 Genes Reveals Networks of Interacting Transcriptional Regulators Controlling the Plasmodium Life Cycle. <i>Cell Host and Microbe</i> , 2017, 21, 11-22.                              | 5.1  | 177       |
| 23 | Evolutionary expansion and anatomical specialization of synapse proteome complexity. <i>Nature Neuroscience</i> , 2008, 11, 799-806.   | 7.1  | 171       |
| 24 | A Plasmodium Calcium-Dependent Protein Kinase Controls Zygote Development and Transmission by Translationally Activating Repressed mRNAs. <i>Cell Host and Microbe</i> , 2012, 12, 9-19.                         | 5.1  | 163       |
| 25 | Phosphoproteomic Analysis of the Mouse Brain Cytosol Reveals a Predominance of Protein Phosphorylation in Regions of Intrinsic Sequence Disorder. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 1331-1348. | 2.5  | 157       |
| 26 | Analysis of protein phosphorylation on a proteome scale. <i>Proteomics</i> , 2007, 7, 2751-2768.   | 1.3  | 153       |
| 27 | Single-cell transcriptomics identifies an effectorness gradient shaping the response of CD4+ T cells to cytokines. <i>Nature Communications</i> , 2020, 11, 1801.  | 5.8  | 153       |
| 28 | Functional genomics reveals that <i>Clostridium difficile</i> Spo0A coordinates sporulation, virulence and metabolism. <i>BMC Genomics</i> , 2014, 15, 160.  | 1.2  | 145       |
| 29 | APC15 drives the turnover of MCC-CDC20 to make the spindle assembly checkpoint responsive to kinetochore attachment. <i>Nature Cell Biology</i> , 2011, 13, 1234-1243.   | 4.6  | 139       |
| 30 | Proteomics in postgenomic neuroscience: the end of the beginning. <i>Nature Neuroscience</i> , 2004, 7, 440-445.   | 7.1  | 134       |
| 31 | Quantitative Proteomics Reveals the Basis for the Biochemical Specificity of the Cell-Cycle Machinery. <i>Molecular Cell</i> , 2011, 43, 406-417.  | 4.5  | 127       |
| 32 | Mapping multiprotein complexes by affinity purification and mass spectrometry. <i>Current Opinion in Biotechnology</i> , 2008, 19, 324-330.  | 3.3  | 118       |
| 33 | UTX-mediated enhancer and chromatin remodeling suppresses myeloid leukemogenesis through noncatalytic inverse regulation of ETS and GATA programs. <i>Nature Genetics</i> , 2018, 50, 883-894.                   | 9.4  | 117       |
| 34 | Neurotransmitters Drive Combinatorial Multistate Postsynaptic Density Networks. <i>Science Signaling</i> , 2009, 2, ra19.  | 1.6  | 116       |
| 35 | Shotgun proteomics aids discovery of novel protein-coding genes, alternative splicing, and resurrected pseudogenes in the mouse genome. <i>Genome Research</i> , 2011, 21, 756-767.                              | 2.4  | 113       |
| 36 | Evolution of complexity in the zebrafish synapse proteome. <i>Nature Communications</i> , 2017, 8, 14613.  | 5.8  | 112       |

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|----|--|-----|-----------|
| 37 | Crosstalk between PKA and PKG controls pH-dependent host cell egress of <i>Toxoplasma gondii</i> . <i>EMBO Journal</i> , 2017, 36, 3250-3267.  | 3.5 | 111       |
| 38 | Overexpression of Claspin and Timeless protects cancer cells from replication stress in a checkpoint-independent manner. <i>Nature Communications</i> , 2019, 10, 910.   | 5.8 | 105       |
| 39 | Genomic Determinants of Protein Abundance Variation in Colorectal Cancer Cells. <i>Cell Reports</i> , 2017, 20, 2201-2214.   | 2.9 | 95        |
| 40 | C9orf72 arginine-rich dipeptide proteins interact with ribosomal proteins in vivo to induce a toxic translational arrest that is rescued by eIF1A. <i>Acta Neuropathologica</i> , 2019, 137, 487-500.                        | 3.9 | 94        |
| 41 | A systematic CRISPR screen defines mutational mechanisms underpinning signatures caused by replication errors and endogenous DNA damage. <i>Nature Cancer</i> , 2021, 2, 643-657.  | 5.7 | 94        |
| 42 | Integrative epigenomics, transcriptomics and proteomics of patient chondrocytes reveal genes and pathways involved in osteoarthritis. <i>Scientific Reports</i> , 2017, 7, 8935.   | 1.6 | 90        |
| 43 | Paxillin Associates with Poly(A)-binding Protein 1 at the Dense Endoplasmic Reticulum and the Leading Edge of Migrating Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 6428-6437.                                | 1.6 | 87        |
| 44 | Interrogating the human genome using uninterpreted mass spectrometry data. <i>Proteomics</i> , 2001, 1, 651-667.   | 1.3 | 80        |
| 45 | Global, site-specific analysis of neuronal protein S-acylation. <i>Scientific Reports</i> , 2017, 7, 4683.   | 1.6 | 80        |
| 46 | A Conserved Acetyl Esterase Domain Targets Diverse Bacteriophages to the Vi Capsular Receptor of <i>Salmonella enterica</i> Serovar Typhi. <i>Journal of Bacteriology</i> , 2010, 192, 5746-5754.                            | 1.0 | 79        |
| 47 | Arc Requires PSD95 for Assembly into Postsynaptic Complexes Involved with Neural Dysfunction and Intelligence. <i>Cell Reports</i> , 2017, 21, 679-691.  | 2.9 | 79        |
| 48 | Cyclic diGMP Regulates Production of Sortase Substrates of <i>Clostridium difficile</i> and Their Surface Exposure through Zmpl Protease-mediated Cleavage. <i>Journal of Biological Chemistry</i> , 2015, 290, 24453-24469. | 1.6 | 74        |
| 49 | The midbody interactome reveals unexpected roles for PP1 phosphatases in cytokinesis. <i>Nature Communications</i> , 2019, 10, 4513.   | 5.8 | 69        |
| 50 | Improving GENCODE reference gene annotation using a high-stringency proteogenomics workflow. <i>Nature Communications</i> , 2016, 7, 11778.  | 5.8 | 68        |
| 51 | <i>Citrobacter rodentium</i> Subverts ATP Flux and Cholesterol Homeostasis in Intestinal Epithelial Cells In Vivo. <i>Cell Metabolism</i> , 2017, 26, 738-752.e6.  | 7.2 | 67        |
| 52 | The ubiquitin-dependent ATPase p97 removes cytotoxic trapped PARP1 from chromatin. <i>Nature Cell Biology</i> , 2022, 24, 62-73.   | 4.6 | 66        |
| 53 | SynGAP isoforms exert opposing effects on synaptic strength. <i>Nature Communications</i> , 2012, 3, 900.  | 5.8 | 65        |
| 54 | Multiple short windows of calcium-dependent protein kinase 4 activity coordinate distinct cell cycle events during <i>Plasmodium</i> gametogenesis. <i>ELife</i> , 2017, 6, .  | 2.8 | 62        |

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|----|---|-----|-----------|
| 55 | Sub-minute Phosphoregulation of Cell Cycle Systems during Plasmodium Gamete Formation. Cell Reports, 2017, 21, 2017-2029.   | 2.9 | 59        |
| 56 | Comparison of Mascot and X!Tandem Performance for Low and High Accuracy Mass Spectrometry and the Development of an Adjusted Mascot Threshold. Molecular and Cellular Proteomics, 2008, 7, 962-970. | 2.5 | 58        |
| 57 | Matching peptide mass spectra to EST and genomic DNA databases. Trends in Biotechnology, 2001, 19, S17-S22.   | 4.9 | 56        |
| 58 | A molecular quantitative trait locus map for osteoarthritis. Nature Communications, 2021, 12, 1309.   | 5.8 | 53        |
| 59 | Assignment of Protein Interactions from Affinity Purification/Mass Spectrometry Data. Journal of Proteome Research, 2012, 11, 1462-1474.  | 1.8 | 52        |
| 60 | Discovery of high-confidence human protein-coding genes and exons by whole-genome PhyloCSF helps elucidate 118 GWAS loci. Genome Research, 2019, 29, 2073-2087.                                     | 2.4 | 52        |
| 61 | Genome-wide analysis of the heat stress response in Zebu (Sahiwal) cattle. Gene, 2014, 533, 500-507.  | 1.0 | 51        |
| 62 | Exploiting induced pluripotent stem cell-derived macrophages to unravel host factors influencing Chlamydia trachomatis pathogenesis. Nature Communications, 2017, 8, 15013.                         | 5.8 | 50        |
| 63 | Eros is a novel transmembrane protein that controls the phagocyte respiratory burst and is essential for innate immunity. Journal of Experimental Medicine, 2017, 214, 1111-1128.                   | 4.2 | 50        |
| 64 | Type III secretion system effectors form robust and flexible intracellular virulence networks. Science, 2021, 371, .  | 6.0 | 50        |
| 65 | Human post-mortem synapse proteome integrity screening for proteomic studies of postsynaptic complexes. Molecular Brain, 2014, 7, 88.   | 1.3 | 49        |
| 66 | Landscape of the Plasmodium Interactome Reveals Both Conserved and Species-Specific Functionality. Cell Reports, 2019, 28, 1635-1647.e5.  | 2.9 | 49        |
| 67 | Matching peptide mass spectra to EST and genomic DNA databases. Trends in Biotechnology, 2001, 19, 17-22.   | 4.9 | 48        |
| 68 | Interferon-driven alterations of the host's amino acid metabolism in the pathogenesis of typhoid fever. Journal of Experimental Medicine, 2016, 213, 1061-1077.                                     | 4.2 | 45        |
| 69 | Quantitative RNA-seq analysis of the Campylobacter jejuni transcriptome. Microbiology (United Kingdom) 2017, 161, 1061-1077. doi:10.1099/mic/0/000000.0   | 0.7 | 44        |
| 70 | Targeted Feature Detection for Data-Dependent Shotgun Proteomics. Journal of Proteome Research, 2017, 16, 2964-2974.  | 1.8 | 43        |
| 71 | Ubiquitylation of MLKL at lysine 219 positively regulates necroptosis-induced tissue injury and pathogen clearance. Nature Communications, 2021, 12, 3364.  | 5.8 | 43        |
| 72 | Characterization of Two Distinct Nucleosome Remodeling and Deacetylase (NuRD) Complex Assemblies in Embryonic Stem Cells. Molecular and Cellular Proteomics, 2016, 15, 878-891.                     | 2.5 | 42        |

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|----|---|-----|-----------|
| 73 | Molecular Characterization of the <i>Salmonella enterica</i> Serovar Typhi Vi-Typing Bacteriophage E1. <i>Journal of Bacteriology</i> , 2008, 190, 2580-2587.   | 1.0 | 41        |
| 74 | Nuclear receptor binding protein 1 regulates intestinal progenitor cell homeostasis and tumour formation. <i>EMBO Journal</i> , 2012, 31, 2486-2497.  | 3.5 | 40        |
| 75 | Activation of the Aryl Hydrocarbon Receptor Interferes with Early Embryonic Development. <i>Stem Cell Reports</i> , 2017, 9, 1377-1386.   | 2.3 | 39        |
| 76 | Intestinal Epithelial Cells and the Microbiome Undergo Swift Reprogramming at the Inception of Colonic <i>Citrobacter rodentium</i> Infection. <i>MBio</i> , 2019, 10, .  | 1.8 | 38        |
| 77 | Mutations in FAM50A suggest that Armfield XLID syndrome is a spliceosomopathy. <i>Nature Communications</i> , 2020, 11, 3698.   | 5.8 | 38        |
| 78 | Applications of Protein Mass Spectrometry in Cell Biology. <i>Methods</i> , 2000, 20, 383-397.  | 1.9 | 35        |
| 79 | <i>Citrobacter rodentium</i> is an Unstable Pathogen Showing Evidence of Significant Genomic Flux. <i>PLoS Pathogens</i> , 2011, 7, e1002018.   | 2.1 | 35        |
| 80 | Identification of protein complexes that bind to histone H3 combinatorial modifications using super-SILAC and weighted correlation network analysis. <i>Nucleic Acids Research</i> , 2015, 43, 1418-1432.           | 6.5 | 35        |
| 81 | Cyclin B1-Cdk1 facilitates MAD1 release from the nuclear pore to ensure a robust spindle checkpoint. <i>Journal of Cell Biology</i> , 2020, 219, .  | 2.3 | 35        |
| 82 | Enhanced Peptide Identification by Electron Transfer Dissociation Using an Improved Mascot Percolator. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 478-491.  | 2.5 | 34        |
| 83 | Confident and sensitive phosphoproteomics using combinations of collision induced dissociation and electron transfer dissociation. <i>Journal of Proteomics</i> , 2014, 103, 1-14.                                  | 1.2 | 34        |
| 84 | The BAF and PRC2 Complex Subunits Dpf2 and Eed Antagonistically Converge on Tbx3 to Control ESC Differentiation. <i>Cell Stem Cell</i> , 2019, 24, 138-152.e8.  | 5.2 | 30        |
| 85 | Evidence for a novel overlapping coding sequence in POLG initiated at a CUG start codon. <i>BMC Genetics</i> , 2020, 21, 25.  | 2.7 | 30        |
| 86 | A New Method To Determine <i>In Vivo</i> Interactomes Reveals Binding of the <i>Legionella pneumophila</i> Effector PieE to Multiple Rab GTPases. <i>MBio</i> , 2014, 5, .  | 1.8 | 29        |
| 87 | Nbeal2 interacts with Dock7, Sec16a, and Vac14. <i>Blood</i> , 2018, 131, 1000-1011.  | 0.6 | 29        |
| 88 | Faecal neutrophil elastase-antiprotease balance reflects colitis severity. <i>Mucosal Immunology</i> , 2020, 13, 322-333.   | 2.7 | 29        |
| 89 | Robust Enrichment of Phosphorylated Species in Complex Mixtures by Sequential Protein and Peptide Metal-Affinity Chromatography and Analysis by Tandem Mass Spectrometry. <i>Science Signaling</i> , 2005, p16-pl6. | 1.6 | 25        |
| 90 | An E2-ubiquitin thioester-driven approach to identify substrates modified with ubiquitin and ubiquitin-like molecules. <i>Nature Communications</i> , 2018, 9, 4776.  | 5.8 | 25        |

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|-----|--|-----|-----------|
| 91  | Proteomic analysis of extracellular vesicles from a Plasmodium falciparum Kenyan clinical isolate defines a core parasite secretome. Wellcome Open Research, 0, 2, 50.   | 0.9 | 25        |
| 92  | DecoyPyrat: Fast Non-redundant Hybrid Decoy Sequence Generation for Large Scale Proteomics. Journal of Proteomics and Bioinformatics, 2016, 09, 176-180.   | 0.4 | 24        |
| 93  | The flagellotropic bacteriophage YSD1 targets <i>Salmonella</i> Typhi with a Chi-like protein tail fibre. Molecular Microbiology, 2019, 112, 1831-1846.  | 1.2 | 24        |
| 94  | The <i>Citrobacter rodentium</i> type III secretion system effector EspO affects mucosal damage repair and antimicrobial responses. PLoS Pathogens, 2018, 14, e1007406.  | 2.1 | 23        |
| 95  | <i>Citrobacter rodentium</i> induces rapid and unique metabolic and inflammatory responses in mice suffering from severe disease. Cellular Microbiology, 2020, 22, e13126.   | 1.1 | 22        |
| 96  | Broad-Spectrum Regulation of Nonreceptor Tyrosine Kinases by the Bacterial ADP-Ribosyltransferase EspJ. MBio, 2018, 9, .   | 1.8 | 21        |
| 97  | The type III secretion system effector network hypothesis. Trends in Microbiology, 2022, 30, 524-533.  | 3.5 | 21        |
| 98  | Autoinhibition Mechanism of the Ubiquitin-Conjugating Enzyme UBE2S by Autoubiquitination. Structure, 2019, 27, 1195-1210.e7.   | 1.6 | 20        |
| 99  | Quantitative proteomic analysis of <i>Shigella flexneri</i> and <i>Shigella sonnei</i> Generalized Modules for Membrane Antigens (GMMAs) reveals highly pure preparations. International Journal of Medical Microbiology, 2016, 306, 99-108. | 1.5 | 19        |
| 100 | Widespread epigenomic, transcriptomic and proteomic differences between hip osteophytic and articular chondrocytes in osteoarthritis. Rheumatology, 2018, 57, 1481-1489.   | 0.9 | 19        |
| 101 | Cell-type-specific visualisation and biochemical isolation of endogenous synaptic proteins in mice. European Journal of Neuroscience, 2020, 51, 793-805.   | 1.2 | 18        |
| 102 | Clustering of Tir during enteropathogenic <i>E. coli</i> infection triggers calcium influx-dependent pyroptosis in intestinal epithelial cells. PLoS Biology, 2020, 18, e3000986.  | 2.6 | 18        |
| 103 | Palmitoylation and palmitoyl-transferases in <i>Plasmodium</i> parasites. Biochemical Society Transactions, 2015, 43, 240-245.   | 1.6 | 17        |
| 104 | Study of <i>Plasmodium falciparum</i> DHHC palmitoyl transferases identifies a role for PfDHHC9 in gametocytogenesis. Cellular Microbiology, 2016, 18, 1596-1610.  | 1.1 | 15        |
| 105 | DIPG Harbors Alterations Targetable by MEK Inhibitors, with Acquired Resistance Mechanisms Overcome by Combinatorial Inhibition. Cancer Discovery, 2022, 12, 712-729.  | 7.7 | 15        |
| 106 | The OMSSAP ercolator: An automated tool to validate OMSSA results. Proteomics, 2014, 14, 1011-1014.  | 1.3 | 13        |
| 107 | Evaluation of a Dual Isolation Width Acquisition Method for Isobaric Labeling Ratio Decompression. Journal of Proteome Research, 2019, 18, 1433-1440.  | 1.8 | 13        |
| 108 | Phosphorylation-Dependent Assembly of a 14-3-3 Mediated Signaling Complex during Red Blood Cell Invasion by <i>Plasmodium falciparum</i> Merozoites. MBio, 2020, 11, .   | 1.8 | 13        |

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|-----|---|-----|-----------|
| 109 | Myst2/Kat7 histone acetyltransferase interaction proteomics reveals tumour-suppressor Niam as a novel binding partner in embryonic stem cells. <i>Scientific Reports</i> , 2017, 7, 8157. | 1.6 | 12        |
| 110 | CRISPR activation screen in mice identifies novel membrane proteins enhancing pulmonary metastatic colonisation. <i>Communications Biology</i> , 2021, 4, 395.                            | 2.0 | 12        |
| 111 | Flexible Data Analysis Pipeline for High-Confidence Proteogenomics. <i>Journal of Proteome Research</i> , 2016, 15, 4686-4695.  | 1.8 | 11        |
| 112 | Fast, Quantitative and Variant Enabled Mapping of Peptides to Genomes. <i>Cell Systems</i> , 2017, 5, 152-156.e4.   | 2.9 | 10        |
| 113 | A quantitative proteomic screen of the <i>Campylobacter jejuni</i> flagellar-dependent secretome. <i>Journal of Proteomics</i> , 2017, 152, 181-187.                                      | 1.2 | 10        |
| 114 | Inhibition of somatosensory mechanotransduction by annexin A6. <i>Science Signaling</i> , 2018, 11, .   | 1.6 | 10        |
| 115 | Precision Medicine in Pancreatic Disease—Knowledge Gaps and Research Opportunities. <i>Pancreas</i> , 2019, 48, 1250-1258.  | 0.5 | 9         |
| 116 | Using Deep Learning to Extrapolate Protein Expression Measurements. <i>Proteomics</i> , 2020, 20, e2000009.   | 1.3 | 9         |
| 117 | Delineating the HMGB1 and HMGB2 interactome in prostate and ovary epithelial cells and its relationship with cancer. <i>Oncotarget</i> , 2018, 9, 19050-19064.                            | 0.8 | 9         |
| 118 | Aneuploidy tolerance caused by BRG1 loss allows chromosome gains and recovery of fitness. <i>Nature Communications</i> , 2022, 13, 1731.  | 5.8 | 9         |
| 119 | SimPLIT: Simplified Sample Preparation for Large-Scale Isobaric Tagging Proteomics. <i>Journal of Proteome Research</i> , 2022, 21, 1842-1856.  | 1.8 | 9         |
| 120 | Resolving Affinity Purified Protein Complexes by Blue Native PAGE and Protein Correlation Profiling. <i>Journal of Visualized Experiments</i> , 2017, , .                                 | 0.2 | 8         |
| 121 | 3D Functional Genomics Screens Identify CREBBP as a Targetable Driver in Aggressive Triple-Negative Breast Cancer. <i>Cancer Research</i> , 2021, 81, 847-859.                            | 0.4 | 7         |
| 122 | Scoring and Validation of Tandem MS Peptide Identification Methods. <i>Methods in Molecular Biology</i> , 2010, 604, 43-53.   | 0.4 | 7         |
| 123 | EPEC-induced activation of the Ca <sup>2+</sup> transporter TRPV2 leads to pyroptotic cell death. <i>Molecular Microbiology</i> , 2022, 117, 480-492.                                     | 1.2 | 7         |
| 124 | The Three-Dimensional Structure and X-Ray Sequence Reveal that Trichomaglin Is a Novel S-like Ribonuclease. <i>Structure</i> , 2004, 12, 1015-1025.                                       | 1.6 | 6         |
| 125 | Coordinating cell cycle progression via cyclin specificity. <i>Cell Cycle</i> , 2011, 10, 4195-4196.  | 1.3 | 6         |
| 126 | Proteomic navigation using proximity-labeling. <i>Methods</i> , 2019, 164-165, 67-72.   | 1.9 | 6         |



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|-----|--|-----|-----------|
| 127 | Transcriptome and proteome analysis of <i>Salmonella enterica</i> serovar Typhimurium systemic infection of wild type and immune-deficient mice. <i>PLoS ONE</i> , 2017, 12, e0181365.                                       | 1.1 | 6         |
| 128 | HMGB1 Protein Interactions in Prostate and Ovary Cancer Models Reveal Links to RNA Processing and Ribosome Biogenesis through NuRD, THOC and Septin Complexes. <i>Cancers</i> , 2021, 13, 4686.                              | 1.7 | 4         |
| 129 | Proteomic characterisation of triple negative breast cancer cells following CDK4/6 inhibition. <i>Scientific Data</i> , 2022, 9, .   | 2.4 | 4         |
| 130 | A Fast and Quantitative Method for Post-translational Modification and Variant Enabled Mapping of Peptides to Genomes. <i>Journal of Visualized Experiments</i> , 2018, , .  | 0.2 | 3         |
| 131 | The type III secretion system effector EspO of enterohaemorrhagic <i>Escherichia coli</i> inhibits apoptosis through an interaction with HAX1. <i>Cellular Microbiology</i> , 2021, 23, e13366.                              | 1.1 | 3         |
| 132 | <i>Citrobacter rodentium</i> Infection Induces Persistent Molecular Changes and Interferon Gamma-Dependent Major Histocompatibility Complex Class II Expression in the Colonic Epithelium. <i>MBio</i> , 2022, 13, e0323321. | 1.8 | 3         |
| 133 | A commercial antibody to the human condensin II subunit NCAPH2 cross-reacts with a SWI/SNF complex component. <i>Wellcome Open Research</i> , 2021, 6, 3.  | 0.9 | 2         |
| 134 | Identifying and characterising Thrap3, Bclaf1 and Erh interactions using cross-linking mass spectrometry. <i>Wellcome Open Research</i> , 0, 6, 260.   | 0.9 | 2         |
| 135 | Chapter 4. PSM Scoring and Validation. <i>New Developments in Mass Spectrometry</i> , 2016, , 69-92.   | 0.2 | 1         |
| 136 | Landscape of the <i>Plasmodium</i> Interactome. <i>SSRN Electronic Journal</i> , 0, , .  | 0.4 | 1         |
| 137 | Role of Eros, a novel transmembrane protein, in regulation of host defence. <i>Lancet</i> , The, 2016, 387, S12.   | 6.3 | 0         |
| 138 | Molecular phenotyping of patient chondrocytes reveals genes and pathways involved in osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2017, 25, S209-S210.  | 0.6 | 0         |