

Mark Collins

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6059609/publications.pdf>

Version: 2024-02-01

50
papers

6,380
citations

186265

28
h-index

206112

48
g-index

61
all docs

61
docs citations

61
times ranked

11686
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A polygenic burden of rare disruptive mutations in schizophrenia. <i>Nature</i> , 2014, 506, 185-190. | 27.8 | 1,305 |
| 2 | De novo CNV analysis implicates specific abnormalities of postsynaptic signalling complexes in the pathogenesis of schizophrenia. <i>Molecular Psychiatry</i> , 2012, 17, 142-153. | 7.9 | 775 |
| 3 | Characterization of the proteome, diseases and evolution of the human postsynaptic density. <i>Nature Neuroscience</i> , 2011, 14, 19-21. | 14.8 | 449 |
| 4 | Molecular characterization and comparison of the components and multiprotein complexes in the postsynaptic proteome. <i>Journal of Neurochemistry</i> , 2006, 97, 16-23. | 3.9 | 397 |
| 5 | Proteomic Analysis of in Vivo Phosphorylated Synaptic Proteins. <i>Journal of Biological Chemistry</i> , 2005, 280, 5972-5982. | 3.4 | 300 |
| 6 | Targeted tandem affinity purification of PSD-95 recovers core postsynaptic complexes and schizophrenia susceptibility proteins. <i>Molecular Systems Biology</i> , 2009, 5, 269. | 7.2 | 245 |
| 7 | TBK1: a new player in ALS linking autophagy and neuroinflammation. <i>Molecular Brain</i> , 2017, 10, 5. | 2.6 | 228 |
| 8 | Phosphoinositide Metabolism Links cGMP-Dependent Protein Kinase G to Essential Ca ²⁺ Signals at Key Decision Points in the Life Cycle of Malaria Parasites. <i>PLoS Biology</i> , 2014, 12, e1001806. | 5.6 | 185 |
| 9 | 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. | 2.5 | 179 |
| 10 | Analysis of Protein Palmitoylation Reveals a Pervasive Role in Plasmodium Development and Pathogenesis. <i>Cell Host and Microbe</i> , 2012, 12, 246-258. | 11.0 | 177 |
| 11 | Evolutionary expansion and anatomical specialization of synapse proteome complexity. <i>Nature Neuroscience</i> , 2008, 11, 799-806. | 14.8 | 171 |
| 12 | 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. | 11.0 | 163 |
| 13 | 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. | 3.8 | 157 |
| 14 | Analysis of protein phosphorylation on a proteome-scale. <i>Proteomics</i> , 2007, 7, 2751-2768. | 2.2 | 153 |
| 15 | 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. | 10.3 | 139 |
| 16 | Quantitative Proteomics Reveals the Basis for the Biochemical Specificity of the Cell-Cycle Machinery. <i>Molecular Cell</i> , 2011, 43, 406-417. | 9.7 | 127 |
| 17 | Mapping multiprotein complexes by affinity purification and mass spectrometry. <i>Current Opinion in Biotechnology</i> , 2008, 19, 324-330. | 6.6 | 118 |
| 18 | Neurotransmitters Drive Combinatorial Multistate Postsynaptic Density Networks. <i>Science Signaling</i> , 2009, 2, ra19. | 3.6 | 116 |

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|----|---|------|-----------|
| 19 | 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. | 5.5 | 113 |
| 20 | Polymorphisms in tumour necrosis factor α 1, transforming growth factor β 2, interleukin α 10, interleukin α 6, interferon α 3, and outcome of hepatitis C virus infection. <i>Journal of Medical Virology</i> , 2003, 71, 212-218. | 5.0 | 112 |
| 21 | Evolution of complexity in the zebrafish synapse proteome. <i>Nature Communications</i> , 2017, 8, 14613. | 12.8 | 112 |
| 22 | Global, site-specific analysis of neuronal protein S-acylation. <i>Scientific Reports</i> , 2017, 7, 4683. | 3.3 | 80 |
| 23 | Arc Requires PSD95 for Assembly into Postsynaptic Complexes Involved with Neural Dysfunction and Intelligence. <i>Cell Reports</i> , 2017, 21, 679-691. | 6.4 | 79 |
| 24 | SynGAP isoforms exert opposing effects on synaptic strength. <i>Nature Communications</i> , 2012, 3, 900. | 12.8 | 65 |
| 25 | Human post-mortem synapse proteome integrity screening for proteomic studies of postsynaptic complexes. <i>Molecular Brain</i> , 2014, 7, 88. | 2.6 | 49 |
| 26 | S-acylated Golga7b stabilises DHHC 5 at the plasma membrane to regulate cell adhesion. <i>EMBO Reports</i> , 2019, 20, e47472. | 4.5 | 46 |
| 27 | Enhanced Peptide Identification by Electron Transfer Dissociation Using an Improved Mascot Percolator. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 478-491. | 3.8 | 34 |
| 28 | Confident and sensitive phosphoproteomics using combinations of collision induced dissociation and electron transfer dissociation. <i>Journal of Proteomics</i> , 2014, 103, 1-14. | 2.4 | 34 |
| 29 | Proteomic Profiling, Transcription Factor Modeling, and Genomics of Evolved Tolerant Strains Elucidate Mechanisms of Vanillin Toxicity in <i>Escherichia coli</i> . <i>MSystems</i> , 2019, 4, . | 3.8 | 28 |
| 30 | 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, 2005, pl6-pl6. | 3.6 | 25 |
| 31 | AMPA Receptor Complex Dynamics in Time and Space. <i>Neuron</i> , 2014, 84, 1-3. | 8.1 | 22 |
| 32 | Supramolecular Signalling Complexes in the Nervous System. , 2007, 43, 185-207. | | 22 |
| 33 | Apoptotic signalling targets the post-endocytic sorting machinery of the death receptor Fas/CD95. <i>Nature Communications</i> , 2019, 10, 3105. | 12.8 | 20 |
| 34 | Cell-type-specific visualisation and biochemical isolation of endogenous synaptic proteins in mice. <i>European Journal of Neuroscience</i> , 2020, 51, 793-805. | 2.6 | 18 |
| 35 | Regulation and function of the palmitoyltransferase ZDHHC5. <i>FEBS Journal</i> , 2021, 288, 6623-6634. | 4.7 | 16 |
| 36 | Site Specific Modification of Adeno-Associated Virus Enables Both Fluorescent Imaging of Viral Particles and Characterization of the Capsid Interactome. <i>Scientific Reports</i> , 2017, 7, 14766. | 3.3 | 15 |

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|----|---|------|-----------|
| 37 | Altered subgenomic RNA abundance provides unique insight into SARS-CoV-2 B.1.1.7/Alpha variant infections. <i>Communications Biology</i> , 2022, 5, . | 4.4 | 12 |
| 38 | Proximity-dependent biotin identification (BioID) reveals a dynamic LSD1-CoREST interactome during embryonic stem cell differentiation. <i>Molecular Omics</i> , 2022, 18, 31-44. | 2.8 | 11 |
| 39 | Evolving Cell Signals. <i>Science</i> , 2009, 325, 1635-1636. | 12.6 | 10 |
| 40 | Inhibition of somatosensory mechanotransduction by annexin A6. <i>Science Signaling</i> , 2018, 11, . | 3.6 | 10 |
| 41 | Proteomic Approaches to Study Cysteine Oxidation: Applications in Neurodegenerative Diseases. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 678837. | 2.9 | 10 |
| 42 | S-acylation regulates the trafficking and stability of the unconventional Q-SNARE STX19. <i>Journal of Cell Science</i> , 2018, 131, . | 2.0 | 8 |
| 43 | Transcriptional programs regulating neuronal differentiation are disrupted in DLG2 knockout human embryonic stem cells and enriched for schizophrenia and related disorders risk variants. <i>Nature Communications</i> , 2022, 13, 27. | 12.8 | 8 |
| 44 | Coordinating cell cycle progression via cyclin specificity. <i>Cell Cycle</i> , 2011, 10, 4195-4196. | 2.6 | 6 |
| 45 | PGFinder, a novel analysis pipeline for the consistent, reproducible, and high-resolution structural analysis of bacterial peptidoglycans. <i>ELife</i> , 2021, 10, . | 6.0 | 6 |
| 46 | Analysis protein complexes by 1D-SDS-PAGE and tandem mass spectrometry. <i>Protocol Exchange</i> , 0, , . | 0.3 | 5 |
| 47 | Developmental disruption to the cortical transcriptome and synaptosome in a model of <i>SETD1A</i> loss-of-function. <i>Human Molecular Genetics</i> , 2022, 31, 3095-3106. | 2.9 | 5 |
| 48 | Quantitative Analysis of Protein S-Acylation Site Dynamics Using Site-Specific Acyl-Biotin Exchange (ssABE). <i>Methods in Molecular Biology</i> , 2019, 1977, 71-82. | 0.9 | 4 |
| 49 | A comprehensive survey of protein palmitoylation in late blood-stage <i>Plasmodium falciparum</i> . <i>Malaria Journal</i> , 2010, 9, . | 2.3 | 1 |
| 50 | A comprehensive survey of protein palmitoylation in late blood-stage <i>Plasmodium falciparum</i> . <i>Malaria Journal</i> , 2010, 9, . | 2.3 | 1 |