# Kyle J Roux

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1211546/publications.pdf

Version: 2024-02-01

| 48 | 8,039 | 186265 | 214800 |
|---|---|---|---|
| papers | citations | 28 h-index | 47 g-index |

| 53 | 53 | 53 | 8783 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A promiscuous biotin ligase fusion protein identifies proximal and interacting proteins in mammalian cells. Journal of Cell Biology, 2012, 196, 801-810. | 5.2 | 1,834 |
| 2 | Coupling of the nucleus and cytoplasm: Role of the LINC complex. Journal of Cell Biology, 2006, 172, 41-53. | 5.2 | 1,153 |
| 3 | An improved smaller biotin ligase for BioID proximity labeling. Molecular Biology of the Cell, 2016, 27, 1188-1196. | 2.1 | 602 |
| 4 | The Interaction between Nesprins and Sun Proteins at the Nuclear Envelope Is Critical for Force Transmission between the Nucleus and Cytoskeleton. Journal of Biological Chemistry, 2011, 286, 26743-26753. | 3.4 | 433 |
| 5 | Probing nuclear pore complex architecture with proximity-dependent biotinylation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2453-61. | 7.1 | 422 |
| 6 | BioID: A Screen for Proteinâ€Protein Interactions. Current Protocols in Protein Science, 2013, 74, 19.23.1-19.23.14. | 2.8 | 332 |
| 7 | Nesprin 4 is an outer nuclear membrane protein that can induce kinesin-mediated cell polarization. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2194-2199. | 7.1 | 313 |
| 8 | Blurring the Boundary: The Nuclear Envelope Extends Its Reach. Science, 2007, 318, 1408-1412. | 12.6 | 239 |
| 9 | Filling the Void: Proximity-Based Labeling of Proteins in Living Cells. Trends in Cell Biology, 2016, 26, 804-817. | 7.9 | 224 |
| 10 | Functional association of Sun1 with nuclear pore complexes. Journal of Cell Biology, 2007, 178, 785-798. | 5.2 | 202 |
| 11 | BioID: A Screen for Proteinâ€Protein Interactions. Current Protocols in Protein Science, 2018, 91, 19.23.1-19.23.15. | 2.8 | 200 |
| 12 | A mammalian KASH domain protein coupling meiotic chromosomes to the cytoskeleton. Journal of Cell Biology, 2013, 202, 1023-1039. | 5.2 | 193 |
| 13 | Functional Coupling between the Extracellular Matrix and Nuclear Lamina by Wnt Signaling in Progeria. Developmental Cell, 2010, 19, 413-425. | 7.0 | 162 |
| 14 | Nuclei Take a Position: Managing Nuclear Location. Developmental Cell, 2009, 17, 587-597. | 7.0 | 140 |
| 15 | The LINC complex is essential for hearing. Journal of Clinical Investigation, 2013, 123, 740-50. | 8.2 | 130 |
| 16 | Modulation of Nuclear Shape by Substrate Rigidity. Cellular and Molecular Bioengineering, 2013, 6, 230-238. | 2.1 | 125 |
| 17 | The mammalian LINC complex regulates genome transcriptional responses to substrate rigidity. Scientific Reports, 2016, 6, 38063. | 3.3 | 121 |
| 18 | Repair of nuclear ruptures requires barrier-to-autointegration factor. Journal of Cell Biology, 2019, 218, 2136-2149. | 5.2 | 121 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Novel Bilobe Components in Trypanosoma brucei Identified Using Proximity-Dependent Biotinylation. Eukaryotic Cell, 2013, 12, 356-367. | 3.4 | 120 |
| 20 | Direct force probe reveals the mechanics of nuclear homeostasis in the mammalian cell. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5720-5725. | 7.1 | 119 |
| 21 | Comparative Application of BioID and TurboID for Protein-Proximity Biotinylation. Cells, 2020, 9, 1070. | 4.1 | 102 |
| 22 | Making the LINC: SUN and KASH protein interactions. Biological Chemistry, 2015, 396, 295-310. | 2.5 | 82 |
| 23 | BioID as a Tool for Protein-Proximity Labeling in Living Cells. Methods in Molecular Biology, 2019, 2012, 299-313. | 0.9 | 72 |
| 24 | The nucleus is an intracellular propagator of tensile forces in NIH 3T3 fibroblasts. Journal of Cell Science, 2015, 128, 1901-1911. | 2.0 | 69 |
| 25 | Nuclear Forces and Cell Mechanosensing. Progress in Molecular Biology and Translational Science, 2014, 126, 205-215. | 1.7 | 55 |
| 26 | VRK2A is an A-type laminâ€“dependent nuclear envelope kinase that phosphorylates BAF. Molecular Biology of the Cell, 2017, 28, 2241-2250. | 2.1 | 51 |
| 27 | Modulation of Epithelial Morphology, Monolayer Permeability, and Cell Migration by Growth Arrest Specific 3/Peripheral Myelin Protein 22. Molecular Biology of the Cell, 2005, 16, 1142-1151. | 2.1 | 38 |
| 28 | Marked by association: techniques for proximity-dependent labeling of proteins in eukaryotic cells. Cellular and Molecular Life Sciences, 2013, 70, 3657-3664. | 5.4 | 38 |
| 29 | BioID Identification of Lamin-Associated Proteins. Methods in Enzymology, 2016, 569, 3-22. | 1.0 | 30 |
| 30 | Diverse cellular functions of barrier-to-autointegration factor and its roles in disease. Journal of Cell Science, 2020, 133, . | 2.0 | 30 |
| 31 | UCH-L1 bypasses mTOR to promote protein biosynthesis and is required for MYC-driven lymphomagenesis in mice. Blood, 2018, 132, 2564-2574. | 1.4 | 28 |
| 32 | Nuclear envelope defects in muscular dystrophy. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2007, 1772, 118-127. | 3.8 | 27 |
| 33 | The temporospatial expression of peripheral myelin protein 22 at the developing blood-nerve and blood-brain barriers. Journal of Comparative Neurology, 2004, 474, 578-588. | 1.6 | 25 |
| 34 | A BioID-Derived Proximity Interactome for SARS-CoV-2 Proteins. Viruses, 2022, 14, 611. | 3.3 | 25 |
| 35 | Nonsense pathogenic variants in exon 1 of PHOX2B lead to translational reinitiation in congenital central hypoventilation syndrome. American Journal of Medical Genetics, Part A, 2017, 173, 1200-1207. | 1.2 | 24 |
| 36 | Dynamics of Lamin-A Processing Following Precursor Accumulation. PLoS ONE, 2010, 5, e10874. | 2.5 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Mechanical Stabilization of the Glandular Acinus by Linker of Nucleoskeleton and Cytoskeleton Complex. Current Biology, 2019, 29, 2826-2839.e4. | 3.9 | 23 |
| 38 | Identifying Protein-Protein Associations at the Nuclear Envelope with BioID. Methods in Molecular Biology, 2016, 1411, 133-146. | 0.9 | 19 |
| 39 | BioID: A Method to Generate a History of Protein Associations. Methods in Molecular Biology, 2019, 2008, 83-95. | 0.9 | 14 |
| 40 | Identification of Redox and Glucose-Dependent Txnip Protein Interactions. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10. | 4.0 | 11 |
| 41 | A cysteine near the C-terminus of UCH-L1 is dispensable for catalytic activity but is required to promote AKT phosphorylation, eIF4F assembly, and malignant B-cell survival. Cell Death Discovery, 2019, 5, 152. | 4.7 | 10 |
| 42 | Mechanisms of A-Type Lamin Targeting to Nuclear Ruptures Are Disrupted in LMNA- and BANF1-Associated Progerias. Cells, 2022, 11, 865. | 4.1 | 10 |
| 43 | Barrier-to-autointegration factor: a first responder for repair of nuclear ruptures. Cell Cycle, 2021, 20, 647-660. | 2.6 | 9 |
| 44 | The Nucleus Bypasses Obstacles by Deforming Like a Drop with Surface Tension Mediated by Lamin A/C. Advanced Science, 2022, 9, . | 11.2 | 8 |
| 45 | From Pore to Kinetochore and Back: Regulating Envelope Assembly. Developmental Cell, 2006, 11, 276-278. | 7.0 | 7 |
| 46 | Characterization of a recurrent missense mutation in the forkhead DNA-binding domain of FOXP1. Scientific Reports, 2018, 8, 16161. | 3.3 | 6 |
| 47 | Elastin Region Deletions in Williams Syndrome. Genetic Testing and Molecular Biomarkers, 1999, 3, 357-359. | 1.7 | 5 |
| 48 | Identification of Txnip Interacting Proteins using BioID. Free Radical Biology and Medicine, 2013, 65, S153. | 2.9 | 0 |