# Benjamin T Goult

List of Publications by Year
in descending order



| 69 | 4,542 | 109321 35 | 114465 63 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 84 | 84 | 84 | 4256 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Cancer associated talin point mutations disorganise cell adhesion and migration. Scientific Reports, 2021, 11, 347. | 3.3 | 18 |
| 2 | The Mechanical Basis of Memory â€“ the MeshCODE Theory. Frontiers in Molecular Neuroscience, 2021, 14, 592951. | 2.9 | 24 |
| 3 | Pre-complexation of talin and vinculin without tension is required for efficient nascent adhesion maturation. ELife, 2021, 10, . | 6.0 | 36 |
| 4 | Talin rod domainâ€“containing protein 1 (TLNRD1) is a novel actin-bundling protein which promotes filopodia formation. Journal of Cell Biology, 2021, 220, . | 5.2 | 9 |
| 5 | Talin mechanosensitivity is modulated by a direct interaction with cyclin-dependent kinase-1. Journal of Biological Chemistry, 2021, 297, 100837. | 3.4 | 30 |
| 6 | Force-Dependent Interactions between Talin and Full-Length Vinculin. Journal of the American Chemical Society, 2021, 143, 14726-14737. | 13.7 | 34 |
| 7 | Myosin-X and talin modulate integrin activity at filopodia tips. Cell Reports, 2021, 36, 109716. | 6.4 | 33 |
| 8 | Biochemical Characterization of the Integrin Interactome. Methods in Molecular Biology, 2021, 2217, 115-147. | 0.9 | 10 |
| 9 | Talin in mechanotransduction and mechanomemory at a glance. Journal of Cell Science, 2021, 134, . | 2.0 | 43 |
| 10 | Force-Dependent Regulation of Talinâ€“KANK1 Complex at Focal Adhesions. Nano Letters, 2019, 19, 5982-5990. | 9.1 | 34 |
| 11 | Force-Dependent Binding Constants. Biochemistry, 2019, 58, 4696-4709. | 2.5 | 44 |
| 12 | High-Content Imaging of Unbiased Chemical Perturbations Reveals that the Phenotypic Plasticity of the Actin Cytoskeleton Is Constrained. Cell Systems, 2019, 9, 496-507.e5. | 6.2 | 14 |
| 13 | Adhesions Assemble!â€”Autoinhibition as a Major Regulatory Mechanism of Integrin-Mediated Adhesion. Frontiers in Molecular Biosciences, 2019, 6, 144. | 3.5 | 31 |
| 14 | Calcium-mediated Protein Folding and Stabilization of Salmonella Biofilm-associated Protein A. Journal of Molecular Biology, 2019, 431, 433-443. | 4.2 | 17 |
| 15 | Kindlin-1 Regulates Epidermal Growth FactorÂReceptor Signaling. Journal of Investigative Dermatology, 2019, 139, 369-379. | 0.7 | 8 |
| 16 | A Novel Mechanism for Calmodulin-Dependent Inactivation of Transient Receptor Potential Vanilloid 6. Biochemistry, 2018, 57, 2611-2622. | 2.5 | 27 |
| 17 | Chlamydial virulence factor TarP mimics talin to disrupt the talinâ€“vinculin complex. FEBS Letters, 2018, 592, 1751-1760. | 2.8 | 11 |
| 18 | The Structural Basis of Calcium-Dependent Inactivation of the Transient Receptor Potential Vanilloid 5 Channel. Biochemistry, 2018, 57, 2623-2635. | 2.5 | 18 |

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|---|---|---|---|
| 19 | Direct binding of Talin to Rap1 is required for cell-ECM adhesion in Drosophila. Journal of Cell Science, 2018, 131, . | 2.0 | 28 |
| 20 | Talin Autoinhibition Regulates Cell-ECM Adhesion Dynamics and Wound Healing InÂVivo. Cell Reports, 2018, 25, 2401-2416.e5. | 6.4 | 34 |
| 21 | Talin as a mechanosensitive signaling hub. Journal of Cell Biology, 2018, 217, 3776-3784. | 5.2 | 174 |
| 22 | Rap1 binding to the talin 1 F0 domain makes a minimal contribution to murine platelet GPIIb-IIIa activation. Blood Advances, 2018, 2, 2358-2368. | 5.2 | 30 |
| 23 | ProLIF: quantitative integrin protein-protein interactions and synergistic membrane effects on proteoliposomes. Journal of Cell Science, 2018, 132, . | 2.0 | 9 |
| 24 | The tale of two talins â€“ two isoforms to fineâ€tune integrin signalling. FEBS Letters, 2018, 592, 2108-2125. | 2.8 | 68 |
| 25 | Investigation of the Filamin Aâ€“Dependent Mechanisms of Tissue Factor Incorporation into Microvesicles. Thrombosis and Haemostasis, 2017, 117, 2034-2044. | 3.4 | 17 |
| 26 | Mechano-Sensitive Interaction between Talin and Full-Length Vinculin. Biophysical Journal, 2016, 110, 23a. | 0.5 | 0 |
| 27 | The Mechanical Properties of Talin Rod Domain. Biophysical Journal, 2016, 110, 620a-621a. | 0.5 | 0 |
| 28 | Talin tension sensor reveals novel features of focal adhesion force transmission and mechanosensitivity. Journal of Cell Biology, 2016, 213, 371-383. | 5.2 | 205 |
| 29 | LD Motif Recognition by Talin: Structure of the Talin-DLC1 Complex. Structure, 2016, 24, 1130-1141. | 3.3 | 68 |
| 30 | Talin2-mediated traction force drives matrix degradation and cell invasion. Journal of Cell Science, 2016, 129, 3661-3674. | 2.0 | 32 |
| 31 | The mechanical response of talin. Nature Communications, 2016, 7, 11966. | 12.8 | 304 |
| 32 | Talin-KANK1 interaction controls the recruitment of cortical microtubule stabilizing complexes to focal adhesions. ELife, 2016, 5, . | 6.0 | 150 |
| 33 | A direct interaction between fascin and microtubules contributes to adhesion dynamics and cell migration. Journal of Cell Science, 2015, 128, 4601-14. | 2.0 | 53 |
| 34 | Vinculin controls talin engagement with the actomyosin machinery. Nature Communications, 2015, 6, 10038. | 12.8 | 175 |
| 35 | Structure calculation, refinement and validation usingCcpNmr Analysis. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 154-161. | 2.5 | 67 |
| 36 | Talin Dependent Mechanosensitivity of Cell Focal Adhesions. Cellular and Molecular Bioengineering, 2015, 8, 151-159. | 2.1 | 84 |

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|---|---|---|---|
| 37 | The Ansamycin Antibiotic, Rifamycin SV, Inhibits BCL6 Transcriptional Repression and Forms a Complex with the BCL6-BTB/POZ Domain. PLoS ONE, 2014, 9, e90889. | 2.5 | 17 |
| 38 | The Talin Head Domain Reinforces Integrin-Mediated Adhesion by Promoting Adhesion Complex Stability and Clustering. PLoS Genetics, 2014, 10, e1004756. | 3.5 | 27 |
| 39 | Mechanical activation of vinculin binding to talin locks talin in an unfolded conformation. Scientific Reports, 2014, 4, 4610. | 3.3 | 296 |
| 40 | Talin Autoinhibition Is Required for Morphogenesis. Current Biology, 2013, 23, 1825-1833. | 3.9 | 43 |
| 41 | Structural studies on full-length talin1 reveal a compact auto-inhibited dimer: Implications for talin activation. Journal of Structural Biology, 2013, 184, 21-32. | 2.8 | 100 |
| 42 | RIAM and Vinculin Binding to Talin Are Mutually Exclusive and Regulate Adhesion Assembly and Turnover. Journal of Biological Chemistry, 2013, 288, 8238-8249. | 3.4 | 169 |
| 43 | A novel interaction between FRMD7 and CASK: evidence for a causal role in idiopathic infantile nystagmus. Human Molecular Genetics, 2013, 22, 2105-2118. | 2.9 | 52 |
| 44 | Mzt1/Tam4, a fission yeast MOZART1 homologue, is an essential component of the Î³-tubulin complex and directly interacts with GCP3<sup>Alp6</sup>. Molecular Biology of the Cell, 2013, 24, 3337-3349. | 2.1 | 44 |
| 45 | The structure and selectivity of the SR protein SRSF2 RRM domain with RNA. Nucleic Acids Research, 2012, 40, 3232-3244. | 14.5 | 22 |
| 46 | A Conserved Lipid-binding Loop in the Kindlin FERM F1 Domain Is Required for Kindlin-mediated Î±IIbÎ²3 Integrin Coactivation. Journal of Biological Chemistry, 2012, 287, 6979-6990. | 3.4 | 52 |
| 47 | Subcellular Localization of Talin Is Regulated by Inter-domain Interactions. Journal of Biological Chemistry, 2012, 287, 13799-13812. | 3.4 | 43 |
| 48 | Talin Contains A C-Terminal Calpain2 Cleavage Site Important In Focal Adhesion Dynamics. PLoS ONE, 2012, 7, e34461. | 2.5 | 59 |
| 49 | Structural basis for the assembly of the SMRT/NCoR core transcriptional repression machinery. Nature Structural and Molecular Biology, 2011, 18, 177-184. | 8.2 | 156 |
| 50 | The 1H, 13C and 15N backbone and side-chain assignment of the RRM domain of SC35, a regulator of pre-mRNA splicing. Biomolecular NMR Assignments, 2011, 5, 7-10. | 0.8 | 2 |
| 51 | FERM-dependent E3 ligase recognition is a conserved mechanism for targeted degradation of lipoprotein receptors. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20107-20112. | 7.1 | 53 |
| 52 | The IDOLâ€“UBE2D complex mediates sterol-dependent degradation of the LDL receptor. Genes and Development, 2011, 25, 1262-1274. | 5.9 | 75 |
| 53 | The Structure of the Talin Head Reveals a NovelÂExtended Conformation of the FERM Domain. Structure, 2010, 18, 1289-1299. | 3.3 | 132 |
| 54 | The Structure of the Talin/Integrin Complex at a Lipid Bilayer: An NMR and MD Simulation Study. Structure, 2010, 18, 1280-1288. | 3.3 | 57 |

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|---|---|---|---|
| 55 | Studies on the morphology and spreading of human endothelial cells define key inter- and intramolecular interactions for talin1. European Journal of Cell Biology, 2010, 89, 661-673. | 3.6 | 71 |
| 56 | The domain structure of talin: Residues 1815â€“1973 form a fiveâ€helix bundle containing a cryptic vinculinâ€binding site. FEBS Letters, 2010, 584, 2237-2241. | 2.8 | 19 |
| 57 | Structure of a double ubiquitin-like domain in the talin head: a role in integrin activation. EMBO Journal, 2010, 29, 1069-1080. | 7.8 | 127 |
| 58 | Central Region of Talin Has a Unique Fold That Binds Vinculin and Actin. Journal of Biological Chemistry, 2010, 285, 29577-29587. | 3.4 | 65 |
| 59 | Structural Determinants of Integrin Binding to the Talin Rod. Journal of Biological Chemistry, 2009, 284, 8866-8876. | 3.4 | 73 |
| 60 | The Structure of an Interdomain Complex That Regulates Talin Activity. Journal of Biological Chemistry, 2009, 284, 15097-15106. | 3.4 | 107 |
| 61 | The structure of an integrin/talin complex reveals the basis of inside-out signal transduction. EMBO Journal, 2009, 28, 3623-3632. | 7.8 | 287 |
| 62 | The Structure of the N-Terminus of Kindlin-1: A Domain Important for Î±IIbÎ²3 Integrin Activation. Journal of Molecular Biology, 2009, 394, 944-956. | 4.2 | 80 |
| 63 | NMR assignment of the C-terminal actin-binding domain of talin. Biomolecular NMR Assignments, 2008, 2, 17-19. | 0.8 | 3 |
| 64 | The structure of the C-terminal actin-binding domain of talin. EMBO Journal, 2008, 27, 458-469. | 7.8 | 159 |
| 65 | Structural model and functional significance of pH-dependent talinâ€“actin binding for focal adhesion remodeling. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14436-14441. | 7.1 | 115 |
| 66 | Small-Angle X-ray Scattering and NMR Studies of the Conformation of the PDZ Region of SAP97 and Its Interactions with Kir2.1. Biochemistry, 2007, 46, 14117-14128. | 2.5 | 16 |
| 67 | The Solution Structure of a Domain from the Neisseria meningitidis Lipoprotein PilP Reveals a New Î²-Sandwich Fold. Journal of Molecular Biology, 2006, 364, 186-195. | 4.2 | 39 |
| 68 | Assignment of 1H, 13C, and 15N resonances for the PilP pilot protein from Neisseria meningitidis. Journal of Biomolecular NMR, 2006, 36, 68-68. | 2.8 | 3 |
| 69 | The Limits of Phenotypic Plasticity in the Actin Cytoskeleton Revealed by Unbiased Chemical Perturbation. SSRN Electronic Journal, 0, , . | 0.4 | 0 |