# Stephen A Whelan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5000068/publications.pdf

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|---|---|---|---|
| 43 papers | 1,932 citations | 394421 19 h-index | 377865 34 g-index |
| 45 all docs | 45 docs citations | 45 times ranked | 3277 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The metabolite Î±-ketoglutarate extends lifespan by inhibiting ATP synthase and TOR. Nature, 2014, 510, 397-401. | 27.8 | 485 |
| 2 | O-GlcNAc: a regulatory post-translational modification. Biochemical and Biophysical Research Communications, 2003, 302, 435-441. | 2.1 | 180 |
| 3 | Regulation of the O-Linked Î²-N-Acetylglucosamine Transferase by Insulin Signaling. Journal of Biological Chemistry, 2008, 283, 21411-21417. | 3.4 | 148 |
| 4 | Regulation of Insulin Receptor Substrate 1 (IRS-1)/AKT Kinase-mediated Insulin Signaling by O-Linked Î²-N-Acetylglucosamine in 3T3-L1 Adipocytes. Journal of Biological Chemistry, 2010, 285, 5204-5211. | 3.4 | 140 |
| 5 | Proteomic Approaches to Analyze the Dynamic Relationships Between Nucleocytoplasmic Protein Glycosylation and Phosphorylation. Circulation Research, 2003, 93, 1047-1058. | 4.5 | 115 |
| 6 | Biosynthetic Machinery Involved in Aberrant Glycosylation: Promising Targets for Developing of Drugs Against Cancer. Frontiers in Oncology, 2015, 5, 138. | 2.8 | 113 |
| 7 | Epithelial Mesenchymal Transition Induces Aberrant Glycosylation through Hexosamine Biosynthetic Pathway Activation. Journal of Biological Chemistry, 2016, 291, 12917-12929. | 3.4 | 93 |
| 8 | Mass Spectrometry (LC-MS/MS) Site-Mapping of N-Glycosylated Membrane Proteins for Breast Cancer Biomarkers. Journal of Proteome Research, 2009, 8, 4151-4160. | 3.7 | 82 |
| 9 | Comparative Proteomics Reveals Dysregulated Mitochondrial O-GlcNAcylation in Diabetic Hearts. Journal of Proteome Research, 2016, 15, 2254-2264. | 3.7 | 68 |
| 10 | Mass Spectrometry (LCâ€“MS/MS) Identified Proteomic Biosignatures of Breast Cancer in Proximal Fluid. Journal of Proteome Research, 2012, 11, 5034-5045. | 3.7 | 43 |
| 11 | Identification of Oâ€GlcNAc Sites on Proteins. Methods in Enzymology, 2006, 415, 113-133. | 1.0 | 36 |
| 12 | Does reversible cysteine oxidation link the Western diet to cardiac dysfunction?. FASEB Journal, 2014, 28, 1975-1987. | 0.5 | 32 |
| 13 | Characterization of the Human NEK7 Interactome Suggests Catalytic and Regulatory Properties Distinct from Those of NEK6. Journal of Proteome Research, 2014, 13, 4074-4090. | 3.7 | 32 |
| 14 | Overexpression of Catalase Diminishes Oxidative Cysteine Modifications of Cardiac Proteins. PLoS ONE, 2015, 10, e0144025. | 2.5 | 31 |
| 15 | Programmable gene regulation for metabolic engineering using decoy transcription factor binding sites. Nucleic Acids Research, 2021, 49, 1163-1172. | 14.5 | 29 |
| 16 | Human glioma PKC-Î¹ and PKC-Î²II phosphorylate cyclin-dependent kinase activating kinase during the cell cycle. Cell Proliferation, 2002, 35, 23-36. | 5.3 | 28 |
| 17 | Metabolites in a mouse cancer model enhance venous thrombogenicity through the aryl hydrocarbon receptorâ€tissue factor axis. Blood, 2019, 134, 2399-2413. | 1.4 | 28 |
| 18 | In vitro hemocompatibility of thin film nitinol in stenotic flow conditions. Biomaterials, 2010, 31, 8864-8871. | 11.4 | 26 |

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|---|---|---|---|
| 19 | Proteomic-Based Biosignatures in Breast Cancer Classification and Prediction of Therapeutic Response. International Journal of Proteomics, 2011, 2011, 1-16. | 2.0 | 26 |
| 20 | Tryptophan metabolites suppress the Wnt pathway and promote adverse limb events in chronic kidney disease. Journal of Clinical Investigation, 2022, 132, . | 8.2 | 23 |
| 21 | O-Linked N-Acetylglucosamine (O-GlcNAc) Transferase and O-GlcNAcase Interact with Mi2Î² Protein at the AÎ³-Globin Promoter. Journal of Biological Chemistry, 2016, 291, 15628-15640. | 3.4 | 21 |
| 22 | Twoâ€dimensional gelâ€based approaches for the assessment of Nâ€Linked and Oâ€GlcNAc glycosylation in human and simian immunodeficiency viruses. Proteomics, 2008, 8, 4919-4930. | 2.2 | 19 |
| 23 | Regulation of Liver Regeneration by Hepatocyte O-GlcNAcylation in Mice. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 1510-1529. | 4.5 | 18 |
| 24 | Temporal and tissue-specific activation of aryl hydrocarbon receptor in discrete mouse models of kidney disease. Kidney International, 2020, 97, 538-550. | 5.2 | 16 |
| 25 | Single-Step Replacement of an Unreactive Câ€“H Bond by a Câ€“S Bond Using Polysulfide as the Direct Sulfur Source in the Anaerobic Ergothioneine Biosynthesis. ACS Catalysis, 2020, 10, 8981-8994. | 11.2 | 15 |
| 26 | Reciprocal keratin 18 Ser48 O-GlcNAcylation and Ser52 phosphorylation using peptide analysis. Biochemical and Biophysical Research Communications, 2006, 351, 708-712. | 2.1 | 13 |
| 27 | Tryptophan, kynurenine pathway, and diabetic ketoacidosis in type 1 diabetes. PLoS ONE, 2021, 16, e0254116. | 2.5 | 13 |
| 28 | Implications for an Imidazole-2-yl Carbene Intermediate in the Rhodanase-Catalyzed Câ€“S Bond Formation Reaction of Anaerobic Ergothioneine Biosynthesis. ACS Catalysis, 2021, 11, 3319-3334. | 11.2 | 12 |
| 29 | Hydrophobic Proteome Analysis of Triple Negative and Hormone-Receptor-Positive-Her2-Negative Breast Cancer by Mass Spectrometer. Clinical Proteomics, 2010, 6, 93-103. | 2.1 | 11 |
| 30 | Human Regulatory Protein Ki-1/57 Is a Target of SUMOylation and Affects PML Nuclear Body Formation. Journal of Proteome Research, 2017, 16, 3147-3157. | 3.7 | 9 |
| 31 | Hydrophobic Fractionation Enhances Novel Protein Detection by Mass Spectrometry in Triple Negative Breast Cancer. Journal of Proteomics and Bioinformatics, 2017, 03, 1-10. | 0.4 | 9 |
| 32 | STRAP PTM: Software Tool for Rapid Annotation and Differential Comparison of Protein Postâ€Translational Modifications. Current Protocols in Bioinformatics, 2013, 44, 13.22.1-36. | 25.8 | 7 |
| 33 | Indoleamine 2,3-dioxygenase-1, a Novel Therapeutic Target for Post-Vascular Injury Thrombosis in CKD. Journal of the American Society of Nephrology: JASN, 2021, 32, 2834-2850. | 6.1 | 6 |
| 34 | Identification Of Protein and Post Translational Modification Markers Of Pulmonary Vasculopathy In Sickle Cell Disease. Blood, 2013, 122, 2233-2233. | 1.4 | 2 |
| 35 | Western Diet Alters Phosphorylation and Oâ€GlcNAcylation of Proteins Involved in Mouse Heart Metabolic Disease. FASEB Journal, 2015, 29, 570.21. | 0.5 | 1 |
| 36 | O-linkedN-acetylglucosamine (O-GlcNAc). , 2005, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Insulin increases tyrosine phosphorylation and activity of Oâ€GlcNAc Transferase (OGT). FASEB Journal, 2006, 20, A955. | 0.5 | 0 |
| 38 | Quantitative Proteomics to Profile Postâ€translational Modifications During M Phase: Interplay Between Oâ€GlcNAcylation and Phosphorylation. FASEB Journal, 2013, 27, 555.4. | 0.5 | 0 |
| 39 | Quantitative redox proteomic analysis of reversible cysteine oxidation in hearts from mice fed a Western diet: implications for metabolic cardiovascular disease. FASEB Journal, 2013, 27, 558.3. | 0.5 | 0 |
| 40 | Metabolic Disorder in a Mouse Model on an American Diet: Proteomic Analysis of Cardiovascular Disease. FASEB Journal, 2013, 27, 794.17. | 0.5 | 0 |
| 41 | Characterization of Postâ€Translational Modifications Related to Cardiovascular Disease. FASEB Journal, 2013, 27, 663.10. | 0.5 | 0 |
| 42 | Alterations to Oâ€GlcNAc cycling disrupt mitotic phosphorylation (555.16). FASEB Journal, 2014, 28, 555.16. | 0.5 | 0 |
| 43 | Proteomic Mapping of Mitotic Oâ€GlcNAc Sites. FASEB Journal, 2015, 29, 570.20. | 0.5 | 0 |