

Peter J Espenshade

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5474371/publications.pdf>

Version: 2024-02-01

82
papers

6,489
citations

117625

34
h-index

106344

65
g-index

85
all docs

85
docs citations

85
times ranked

7061
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Targeting Stearoyl-CoA Desaturase in Solid Tumors. <i>Cancer Research</i> , 2022, 82, 1682-1688. | 0.9 | 13 |
| 2 | Lipid balance must be just right to prevent development of severe liver damage. <i>Journal of Clinical Investigation</i> , 2022, 132, . | 8.2 | 3 |
| 3 | Dipyridamole Inhibits Lipogenic Gene Expression by Retaining SCAP-SREBP in the Endoplasmic Reticulum. <i>Cell Chemical Biology</i> , 2021, 28, 169-179.e7. | 5.2 | 14 |
| 4 | Progesterone receptor membrane component 1 (PGRMC1) binds and stabilizes cytochromes P450 through a heme-independent mechanism. <i>Journal of Biological Chemistry</i> , 2021, 297, 101316. | 3.4 | 22 |
| 5 | Abstract PR-009: Targeting the sterol regulatory element-binding protein pathway in pancreatic ductal adenocarcinoma. , 2021, , . | | 0 |
| 6 | Serum lipoproteinâ€‘derived fatty acids regulate hypoxia-inducible factor. <i>Journal of Biological Chemistry</i> , 2020, 295, 18284-18300. | 3.4 | 7 |
| 7 | PGRMC1 Stabilizes Cytochromes P450 And Is Required for Activity In Vivo. <i>FASEB Journal</i> , 2020, 34, 1-1. | 0.5 | 0 |
| 8 | Sterol Regulatory Element-Binding Protein (Sre1) Promotes the Synthesis of Carotenoids and Sterols in <i>Xanthophyllomyces dendrorhous</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 586. | 3.5 | 26 |
| 9 | Serum Lipoproteins Regulate Hypoxiaâ€‘Inducible Factors Under Normoxia. <i>FASEB Journal</i> , 2019, 33, 652.7. | 0.5 | 0 |
| 10 | Requirement of Sterol Regulatory Elementâ€‘Binding Protein Pathway in Pancreatic Ductal Adenocarcinoma. <i>FASEB Journal</i> , 2019, 33, . | 0.5 | 0 |
| 11 | Oxygen-responsive transcriptional regulation of lipid homeostasis in fungi: Implications for anti-fungal drug development. <i>Seminars in Cell and Developmental Biology</i> , 2018, 81, 110-120. | 5.0 | 12 |
| 12 | A Scientistâ€™s Oath. <i>Molecular Cell</i> , 2018, 71, 879-881. | 9.7 | 3 |
| 13 | Coordinate Regulation of Yeast Sterol Regulatory Element-binding Protein (SREBP) and Mga2 Transcription Factors. <i>Journal of Biological Chemistry</i> , 2017, 292, 5311-5324. | 3.4 | 21 |
| 14 | Dsc E3 ligase localization to the Golgi requires the ATPase Cdc48 and cofactor Ufd1 for activation of sterol regulatory element-binding protein in fission yeast. <i>Journal of Biological Chemistry</i> , 2017, 292, 16333-16350. | 3.4 | 6 |
| 15 | Prolyl dihydroxylation of unassembled uS12/Rps23 regulates fungal hypoxic adaptation. <i>ELife</i> , 2017, 6, . | 6.0 | 7 |
| 16 | A Golgi rhomboid protease Rbd2 recruits Cdc48 to cleave yeast SREBP. <i>EMBO Journal</i> , 2016, 35, 2332-2349. | 7.8 | 36 |
| 17 | Mga2 Transcription Factor Regulates an Oxygen-responsive Lipid Homeostasis Pathway in Fission Yeast. <i>Journal of Biological Chemistry</i> , 2016, 291, 12171-12183. | 3.4 | 37 |
| 18 | Fatostatin blocks ER exit of SCAP but inhibits cell growth in a SCAP-independent manner. <i>Journal of Lipid Research</i> , 2016, 57, 1564-1573. | 4.2 | 53 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Proximity-dependent biotin labelling in yeast using the engineered ascorbate peroxidase APEX2. <i>Biochemical Journal</i> , 2016, 473, 2463-2469. | 3.7 | 53 |
| 20 | Complex structure of the fission yeast SREBP-SCAP binding domains reveals an oligomeric organization. <i>Cell Research</i> , 2016, 26, 1197-1211. | 12.0 | 19 |
| 21 | Endoplasmic Reticulum Exit of Golgi-resident Defective for SREBP Cleavage (Dsc) E3 Ligase Complex Requires Its Activity. <i>Journal of Biological Chemistry</i> , 2015, 290, 14430-14440. | 3.4 | 8 |
| 22 | Structure of the WD40 domain of SCAP from fission yeast reveals the molecular basis for SREBP recognition. <i>Cell Research</i> , 2015, 25, 401-411. | 12.0 | 15 |
| 23 | Sugar Makes Fat by Talking to SCAP. <i>Cancer Cell</i> , 2015, 28, 548-549. | 16.8 | 9 |
| 24 | Identification of Candidate Substrates for the Golgi Tul1 E3 Ligase Using Quantitative diGly Proteomics in Yeast. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 2871-2882. | 3.8 | 32 |
| 25 | Casein Kinase 1 Regulates Sterol Regulatory Element-binding Protein (SREBP) to Control Sterol Homeostasis. <i>Journal of Biological Chemistry</i> , 2014, 289, 2725-2735. | 3.4 | 10 |
| 26 | Sterol Regulatory Element-binding Protein (SREBP) Cleavage Regulates Golgi-to-Endoplasmic Reticulum Recycling of SREBP Cleavage-activating Protein (SCAP). <i>Journal of Biological Chemistry</i> , 2014, 289, 7547-7557. | 3.4 | 60 |
| 27 | Structural Requirements for Sterol Regulatory Element-binding Protein (SREBP) Cleavage in Fission Yeast. <i>Journal of Biological Chemistry</i> , 2013, 288, 20351-20360. | 3.4 | 10 |
| 28 | Subunit Architecture of the Golgi Dsc E3 Ligase Required for Sterol Regulatory Element-binding Protein (SREBP) Cleavage in Fission Yeast. <i>Journal of Biological Chemistry</i> , 2013, 288, 21043-21054. | 3.4 | 27 |
| 29 | Structure&function studies of the Golgi Dsc E3 ligase complex required for SREBP activation in yeast. <i>FASEB Journal</i> , 2013, 27, 557.2. | 0.5 | 0 |
| 30 | Regulation of SREBP during hypoxia requires Ofd1-mediated control of both DNA binding and degradation. <i>Molecular Biology of the Cell</i> , 2012, 23, 3764-3774. | 2.1 | 14 |
| 31 | Yeast Sterol Regulatory Element-binding Protein (SREBP) Cleavage Requires Cdc48 and Dsc5, a Ubiquitin Regulatory X Domain-containing Subunit of the Golgi Dsc E3 Ligase. <i>Journal of Biological Chemistry</i> , 2012, 287, 672-681. | 3.4 | 43 |
| 32 | Regulation of lipid metabolism: a tale of two yeasts. <i>Current Opinion in Cell Biology</i> , 2012, 24, 502-508. | 5.4 | 27 |
| 33 | Hierarchical Modularity and the Evolution of Genetic Interactomes across Species. <i>Molecular Cell</i> , 2012, 46, 691-704. | 9.7 | 185 |
| 34 | Expanding Roles for SREBP in Metabolism. <i>Cell Metabolism</i> , 2012, 16, 414-419. | 16.2 | 424 |
| 35 | Identifying a static nonlinear structure in a biological system using noisy, sparse data. <i>Journal of Theoretical Biology</i> , 2012, 300, 232-241. | 1.7 | 5 |
| 36 | Fungal SREBPs: Hypoxic Transcription Factors Required for Pathogenesis. <i>FASEB Journal</i> , 2012, 26, 216.1. | 0.5 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Overcoming data limitations to identify a static nonlinearity in a biological signaling cascade. , 2011, , . | | 1 |
| 38 | Yeast SREBP Cleavage Activation Requires the Golgi Dsc E3 Ligase Complex. <i>Molecular Cell</i> , 2011, 42, 160-171. | 9.7 | 72 |
| 39 | Regulation of the Sre1 Hypoxic Transcription Factor by Oxygen-Dependent Control of DNA Binding. <i>Molecular Cell</i> , 2011, 44, 225-234. | 9.7 | 26 |
| 40 | Regulation of HMG-CoA reductase in mammals and yeast. <i>Progress in Lipid Research</i> , 2011, 50, 403-410. | 11.6 | 241 |
| 41 | The Hypoxic Regulator of Sterol Synthesis Nro1 Is a Nuclear Import Adaptor. <i>Structure</i> , 2011, 19, 503-514. | 3.3 | 8 |
| 42 | Glucose Controls Phosphoregulation of Hydroxymethylglutaryl Coenzyme A Reductase through the Protein Phosphatase 2A-related Phosphatase Protein, Ppe1, and Insig in Fission Yeast. <i>Journal of Biological Chemistry</i> , 2011, 286, 27139-27146. | 3.4 | 8 |
| 43 | The SREBP Pathway. , 2010, , 2505-2510. | | 1 |
| 44 | Ergosterol Regulates Sterol Regulatory Element Binding Protein (SREBP) Cleavage in Fission Yeast. <i>Journal of Biological Chemistry</i> , 2010, 285, 41051-41061. | 3.4 | 33 |
| 45 | Sterol Regulatory Element Binding Proteins in Fungi: Hypoxic Transcription Factors Linked to Pathogenesis. <i>Eukaryotic Cell</i> , 2010, 9, 352-359. | 3.4 | 135 |
| 46 | Degradation of Sterol Regulatory Element-binding Protein Precursor Requires the Endoplasmic Reticulum-associated Degradation Components Ubc7 and Hrd1 in Fission Yeast. <i>Journal of Biological Chemistry</i> , 2009, 284, 20512-20521. | 3.4 | 32 |
| 47 | Conservation of the Sterol Regulatory Element-Binding Protein Pathway and Its Pathobiological Importance in <i>Cryptococcus neoformans</i> . <i>Eukaryotic Cell</i> , 2009, 8, 1770-1779. | 3.4 | 49 |
| 48 | Evolutionary conservation and adaptation in the mechanism that regulates SREBP action: what a long, strange tRIP it's been. <i>Genes and Development</i> , 2009, 23, 2578-2591. | 5.9 | 220 |
| 49 | <i>Cryptococcus neoformans</i> Site 2 protease is required for virulence and survival in the presence of azole drugs. <i>Molecular Microbiology</i> , 2009, 74, 672-690. | 2.5 | 56 |
| 50 | Oxygen-dependent binding of Nro1 to the prolyl hydroxylase Ofd1 regulates SREBP degradation in yeast. <i>EMBO Journal</i> , 2009, 28, 135-143. | 7.8 | 41 |
| 51 | Oxygen-Dependent Degradation of Yeast SREBP Requires the N-End Rule E3 Ligase Ubr1. <i>FASEB Journal</i> , 2009, 23, 689.7. | 0.5 | 0 |
| 52 | Oxygen-regulated degradation of fission yeast SREBP by Ofd1, a prolyl hydroxylase family member. <i>EMBO Journal</i> , 2008, 27, 1491-501. | 7.8 | 90 |
| 53 | Insig Regulates HMG-CoA Reductase by Controlling Enzyme Phosphorylation in Fission Yeast. <i>Cell Metabolism</i> , 2008, 8, 522-531. | 16.2 | 43 |
| 54 | Oxygen-dependent, alternative promoter controls translation of tco1 + in fission yeast. <i>Nucleic Acids Research</i> , 2008, 36, 2024-2031. | 14.5 | 26 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Identification of twenty-three mutations in fission yeast Scap that constitutively activate SREBP. <i>Journal of Lipid Research</i> , 2008, 49, 2001-2012. | 4.2 | 15 |
| 56 | 4-Methyl Sterols Regulate Fission Yeast SREBP-Scap under Low Oxygen and Cell Stress. <i>Journal of Biological Chemistry</i> , 2007, 282, 24388-24396. | 3.4 | 49 |
| 57 | SREBP Controls Oxygen-Dependent Mobilization of Retrotransposons in Fission Yeast. <i>PLoS Genetics</i> , 2007, 3, e131. | 3.5 | 49 |
| 58 | Dap1/PGRMC1 Binds and Regulates Cytochrome P450 Enzymes. <i>Cell Metabolism</i> , 2007, 5, 143-149. | 16.2 | 202 |
| 59 | Sre1p, a regulator of oxygen sensing and sterol homeostasis, is required for virulence in <i>Cryptococcus neoformans</i> . <i>Molecular Microbiology</i> , 2007, 64, 614-629. | 2.5 | 183 |
| 60 | Cobalt chloride, a hypoxia-mimicking agent, targets sterol synthesis in the pathogenic fungus <i>Cryptococcus neoformans</i> . <i>Molecular Microbiology</i> , 2007, 65, 1018-1033. | 2.5 | 74 |
| 61 | Regulation of Sterol Synthesis in Eukaryotes. <i>Annual Review of Genetics</i> , 2007, 41, 401-427. | 7.6 | 467 |
| 62 | 2-oxoglutarate-Fe(II)-dependent dioxygenase regulates degradation of nuclear sterol regulatory element binding protein in fission yeast. <i>FASEB Journal</i> , 2007, 21, A609. | 0.5 | 0 |
| 63 | Development of a selection strategy to identify novel genes involved in the <i>S. pombe</i> SREBP pathway. <i>FASEB Journal</i> , 2007, 21, A608. | 0.5 | 0 |
| 64 | Insig-independent activation of fission yeast SREBP/SCAP by 4,4-methyl sterol intermediates. <i>FASEB Journal</i> , 2007, 21, . | 0.5 | 0 |
| 65 | Insig Regulates HMG-CoA Reductase by a Non-Degradative Mechanism in Fission Yeast. <i>FASEB Journal</i> , 2007, 21, A609. | 0.5 | 0 |
| 66 | Genetic screen to identify regulators of nuclear sterol regulatory element binding protein (SREBP) in fission yeast. <i>FASEB Journal</i> , 2007, 21, A608. | 0.5 | 0 |
| 67 | Oxygen-dependent regulation of sterol regulatory element binding protein (SREBP) in fission yeast. <i>FASEB Journal</i> , 2007, 21, A608. | 0.5 | 0 |
| 68 | <i>Cryptococcus neoformans</i> sterol regulatory element binding protein (Sre1p), a virulence factor that functions in oxygen sensing and sterol homeostasis. <i>FASEB Journal</i> , 2007, 21, A608. | 0.5 | 0 |
| 69 | Sterol Regulatory Element Binding Protein Is a Principal Regulator of Anaerobic Gene Expression in Fission Yeast. <i>Molecular and Cellular Biology</i> , 2006, 26, 2817-2831. | 2.3 | 157 |
| 70 | SREBPs: sterol-regulated transcription factors. <i>Journal of Cell Science</i> , 2006, 119, 973-976. | 2.0 | 89 |
| 71 | SREBPs: sterol-regulated transcription factors. <i>Journal of Cell Science</i> , 2006, 119, 973-976. | 2.0 | 135 |
| 72 | SREBP Pathway Responds to Sterols and Functions as an Oxygen Sensor in Fission Yeast. <i>Cell</i> , 2005, 120, 831-842. | 28.9 | 305 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 73 | SREBP Controls Oxygen-Dependent Mobilization of Retrotransposons in Fission Yeast. <i>PLoS Genetics</i> , 2005, preprint, e131. | 3.5 | 0 |
| 74 | Sterols block binding of COPII proteins to SCAP, thereby controlling SCAP sorting in ER. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 11694-11699. | 7.1 | 132 |
| 75 | Crucial Step in Cholesterol Homeostasis. <i>Cell</i> , 2002, 110, 489-500. | 28.9 | 861 |
| 76 | Regulated Step in Cholesterol Feedback Localized to Budding of SCAP from ER Membranes. <i>Cell</i> , 2000, 102, 315-323. | 28.9 | 307 |
| 77 | Autocatalytic Processing of Site-1 Protease Removes Propeptide and Permits Cleavage of Sterol Regulatory Element-binding Proteins. <i>Journal of Biological Chemistry</i> , 1999, 274, 22795-22804. | 3.4 | 157 |
| 78 | LST1 Is a SEC24 Homologue Used for Selective Export of the Plasma Membrane ATPase from the Endoplasmic Reticulum. <i>Journal of Cell Biology</i> , 1999, 145, 659-672. | 5.2 | 156 |
| 79 | Secreted Site-1 Protease Cleaves Peptides Corresponding to Luminal Loop of Sterol Regulatory Element-binding Proteins. <i>Journal of Biological Chemistry</i> , 1999, 274, 22805-22812. | 3.4 | 63 |
| 80 | Transport-Dependent Proteolysis of SREBP. <i>Cell</i> , 1999, 99, 703-712. | 28.9 | 289 |
| 81 | Molecular Identification of the Sterol-Regulated Luminal Protease that Cleaves SREBPs and Controls Lipid Composition of Animal Cells. <i>Molecular Cell</i> , 1998, 2, 505-514. | 9.7 | 371 |
| 82 | COPII Subunit Interactions in the Assembly of the Vesicle Coat. <i>Journal of Biological Chemistry</i> , 1997, 272, 25413-25416. | 3.4 | 144 |