

Citation Report from *Google Scholar* for **Peter J. Espenshade** as of Nov. 4. 2011

The top journals in my field are:

H index = 22

1. *Science*
2. *Cell*
3. *Nature*
4. *Molecular Cell*
5. *Cell Metabolism*

H	Google	Article # in CV, Reference	RA=review article; BC=book chapter;
1	432	12. Yang T, Espenshade PJ , Wright ME, Yabe D, Gong Y, Aebersold R, Goldstein JL, and Brown MS. Crucial step in cholesterol homeostasis: sterols promote binding of SCAP to INSIG-1, a membrane protein that facilitates retention of SREBPs in the ER. 2002. <i>Cell</i> 110:489-500.	
2	276	6. Sakai J, Rawson RB, Espenshade PJ , Cheng D, Seegmiller AC, Goldstein JL, Brown MS. Molecular identification of the sterol-regulated luminal protease that cleaves SREBPs and controls lipid composition of animal cells. 1998. <i>Mol Cell</i> . 2:505-14.	
3	202	11. Nohturfft A, Yabe D, Goldstein JL, Brown MS, Espenshade PJ . Regulated step in cholesterol feedback localized to budding of SCAP from ER membranes. 2000. <i>Cell</i> 102:315-23.	
4	198	10. DeBose-Boyd RA, Brown MS, Li WP, Nohturfft A, Goldstein JL, Espenshade PJ . Transport-dependent proteolysis of SREBP: relocation of site-1 protease from Golgi to ER obviates the need for SREBP transport to Golgi. 1999. <i>Cell</i> 99:703-12.	
5	128	RA 2. Espenshade PJ , Hughes AL. Regulation of sterol synthesis in eukaryotes. 2007. <i>Annu Rev Genet</i> . 41:401-427.	
6	117	14. Hughes AL, Todd BL, Espenshade PJ . SREBP pathway responds to sterols and functions as an oxygen sensor in fission yeast. 2005. <i>Cell</i> 120:831-42.	
7	112	3. Espenshade PJ , Gimeno RE, Holzmacher E, Teung P, Kaiser CA. Yeast <i>SEC16</i> gene encodes a multidomain vesicle coat protein that interacts with Sec23p. 1995. <i>J Cell Biol</i> . 131:311-24.	
8	107	7. Roberg KJ, Crotwell M, Espenshade PJ , Gimeno RE, Kaiser CA. <i>LST1</i> is a <i>SEC24</i> homolog used for selective export of the plasma membrane ATPase from the ER. 1999. <i>J Cell Biol</i> . 145:659-72.	
9	092	9. Espenshade PJ , Cheng D, Goldstein JL, Brown MS. Autocatalytic processing of Site-1 protease removes propeptide and permits cleavage of sterol regulatory element-binding proteins. 1999. <i>J Biol Chem</i> . 274:22795-804.	
10	091	5. Shaywitz DA, Espenshade PJ , Gimeno RE, Kaiser CA. COPII subunit interactions in the assembly of the vesicle coat. 1997. <i>J Biol Chem</i> . 272:25413-16.	
11	081	13. Espenshade PJ , Li WP, Yabe D. Sterols block binding of COPII proteins to SCAP, thereby controlling SCAP sorting in ER. 2002. <i>PNAS</i> 99:11694-99.	
12	076	4. Gimeno RE, Espenshade PJ , Kaiser CA. COPII coat subunit interactions: Sec24p and Sec23p bind to adjacent regions of Sec16p. 1996. <i>Mol Biol Cell</i> 7:1815-23.	
13	070	1. Berberich S, Hyde-DeRuyscher N, Espenshade PJ , Cole M. <i>max</i> encodes a sequence-specific DNA-binding protein and is not regulated by serum growth factors. 1992. <i>Oncogene</i> 7:775-79.	
14	066	15. Todd BL, Stewart EV, Burg JS, Hughes AL, Espenshade PJ . SREBP is a principal regulator of anaerobic gene expression in fission yeast. 2006. <i>Mol Cell Biol</i> . 26:2817-31.	
15	057	RA 1. Espenshade PJ . SREBPs: Sterol-regulated transcription factors. 2006. <i>J Cell Sci</i> . 119:973-976.	
16	055	2. *Gimeno RE, * Espenshade PJ , Kaiser CA. COPII coat subunit interactions: Sec24p and Sec23p bind to adjacent regions of Sec16p. 1996. <i>Mol Biol Cell</i> 7:1815-23. *These authors contributed equally to the experiments in this paper.	
17	055	16. Hughes AL, Powell DW, Bard M, Eckstein J, Barbuch R, Link AJ, Espenshade PJ . Dap1/PGRMC1 binds and regulates cytochrome P450 enzymes. 2007. <i>Cell Metabolism</i> 5:143-49.	
18	054	8. Cheng D, Espenshade PJ , Slaughter CA, Brown MS, Goldstein JL. Secreted Site-1 protease cleaves peptides corresponding to luminal loop of sterol regulatory-element binding proteins. 1999. <i>J Biol Chem</i> . 274:22805-12.	
19	049	17. Chang YC, Bien CM, Lee H, Espenshade PJ* , Kwon-Chung KJ*. Sre1p, a regulator of oxygen sensing and sterol homeostasis, is required for virulence in <i>Cryptococcus neoformans</i> . 2007. <i>Mol Microbiol</i> . 64:614-29. *Corresponding authors.	
20	027	22. Hughes BT, Espenshade PJ . 2008. Oxygen-regulated degradation of fission yeast SREBP by Ofd1, a prolyl hydroxylase family member. <i>EMBO J</i> . 27:1491-1501.	
21	024	18. Hughes AL, Lee CY, Bien CM, Espenshade PJ . 4-Methyl sterols regulate fission yeast SREBP-Scap under low oxygen and cell stress. 2007. <i>J Biol Chem</i> . 282:24388-96.	
22	021	RA 3. Osborne TO, Espenshade PJ . 2009. Evolutionary conservation and adaptation in the mechanism that regulates SREBP action: what a long strange tRIP it's been. <i>Genes Dev</i> . 23: 2578-2591.	

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- 23 020 19. Lee H, Bien CM, Hughes AL, **Espenshade PJ**, Kwon-Chung KJ, Chang YC. Cobalt chloride, a hypoxia-mimicking agent, targets sterol synthesis in the pathogenic fungus *Cryptococcus neoformans*. 2007. *Mol Microbiol.* 65:1018-33.
- 24 016 20. Sehgal A, Lee CY, **Espenshade PJ**. SREBP controls oxygen-dependent mobilization of retrotransposons in fission yeast. 2007. *PLoS Genet.* 3:1389-96.
- 25 012 25. Lee CY, Stewart EV, Hughes BT, **Espenshade PJ**. 2009. Oxygen-dependent binding of Nro1 to the prolyl hydroxylase Ofd1 regulates SREBP degradation in yeast. *EMBO J.* 28:135-43.
- 26 011 24. Burg JS, Powell DW, Chai R, Hughes AL, Link AJ, **Espenshade PJ**. 2008. Insig regulates HMG-CoA reductase by controlling enzyme phosphorylation in fission yeast. *Cell Metabol* 8:522-31.
- 27 007 21. Sehgal A, Hughes BT, **Espenshade PJ**. 2008. Oxygen-dependent, alternative promoter controls translation of *tcoI*⁺ in fission yeast. *Nucl Acids Res.* 36:2024-2031.
- 28 007 23. Hughes AL, Stewart EV, **Espenshade PJ**. 2008. Identification of 23 mutations in fission yeast Scap that constitutively activate SREBP. *J Lipid Res.* 49:2001-12.
- 29 007 28. Bien CM, Chang YC, Nes WD, Kwon-Chung KJ, **Espenshade PJ**. 2009. *C. neoformans* Site-2 protease is required for virulence and survival in the presence of azole drugs. *Mol Microbiol.* 74:672-90.
- 30 007 RA 4. Bien CM, **Espenshade PJ**. 2010. SREBP in fungi - Hypoxic transcription factors linked to pathogenesis. *Eukaryotic Cell.* 9:352-9.
- 31 004 26. Hughes BT, Nwosu CC, **Espenshade PJ**. 2009. Degradation of SREBP precursor requires the ERAD components UBC7 and HRD1 in fission yeast. *J Biol Chem.* 284: 20512-21.
- 32 004 27. Chang YC, Ingavale SS, Bien CM, **Espenshade PJ**, Kwon-Chung KJ. 2009. Conservation of the SREBP pathway and its pathobiological importance in *Cryptococcus neoformans*. *Eukaryot Cell.* 8:1770-79.
- 33 002 29. Porter JR, Burg JS, **Espenshade PJ***, Iglesias PA*. 2010. Ergosterol regulates SREBP cleavage in fission yeast. *J Biol Chem.* 285:41051-61. *Corresponding authors.
- 34 001 32. Burg JS, **Espenshade PJ**. 2011. Glucose controls phosphoregulation of HMG-COA reductase through the PP2A-related phosphatase Ppe1 and Insig in fission yeast. *J Biol Chem.* 286:27139-46.
- 35 001 33. Lee CSY, Yeh TL, Hughes BT, **Espenshade PJ**. 2011. Regulation of the Sre1 hypoxic transcription factor by oxygen-dependent control of DNA binding. *Mol Cell* 44:225-234.
- 36 000 30. Stewart EV, Nwosu CC, Tong Z, Roguev A, Cummins TD, Kim DU, Hayles J, Park HO, Hoe KL, Powell DW, Krogan NJ, **Espenshade PJ**. 2011. Yeast SREBP cleavage activation requires the Golgi Dsc E3 ligase complex. *Mol Cell.* 42:160-71.
- 37 000 31. Yeh TL, Lee CSY, Amzel LM, **Espenshade PJ***, Bianchet MB*. 2011. The hypoxic regulator of sterol synthesis Nro1 is a nuclear import adaptor. *Structure* 19:503-14. *Corresponding authors.
- 38 000 RA 5. Burg JS, **Espenshade PJ**. 2011. Regulation of HMG-CoA reductase in mammals and yeast. *Prog Lipid Res.* 50:403-10.
- 39 000 BC 1. **Espenshade PJ**, Goldstein JL, Brown MS. SREBPs: Gene regulation through controlled protein trafficking. 2003. In Handbook of Cellular Signaling (Bradshaw R, Dennis E, eds). Academic Press, San Diego, CA.
- 40 000 BC 2. Radhakrishnan A, Sun LP, **Espenshade PJ**, Goldstein JL, Brown MS. 2009. "Chap 298: The SREBP pathway: Gene regulation through sterol sensing and gated protein trafficking". In Handbook of Cell Signaling, 2nd edition (Bradshaw R, Dennis E, eds). Academic Press, San Diego.
- 41 000 BC 3. Kwiterovich PO, **Espenshade PJ**. 2009. "Chap 8: Disorders of LDL Metabolism," pp. 88-104. In The Johns Hopkins University Textbook of Dyslipidemia (Kwiterovich PO, ed.) Wolters Kluwer/Lippincott Williams & Wilkens, Philadelphia, PA.
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