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Redox Biol. 2018 Apr;14:626-636. doi: 10.1016/j.redox.2017.11.005. Epub 2017 Nov 11.PMID: 29156373 [Free PMC Article](#)[Similar articles](#)

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Toxicol Res (Camb). 2017;6(3):273-289. doi: 10.1039/C7TX00020K. Epub 2017 Mar 14.

PMID: 28989700

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4. [Atorvastatin attenuates ethanol-induced hepatotoxicity via antioxidant and anti-inflammatory mechanisms.](#)

Zamani E, Mohammadbagheri M, Fallah M, Shaki F.
Res Pharm Sci. 2017 Aug;12(4):315-321. doi: 10.4103/1735-5362.212049.PMID: 28855943 [Free PMC Article](#)[Similar articles](#)

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Mol Med Rep. 2017 Sep;16(3):2611-2619. doi: 10.3892/mmr.2017.6936. Epub 2017 Jul 6.

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Alcohol Clin Exp Res. 2017 Sep;41(9):1541-1550. doi: 10.1111/acer.13442.
Epub 2017 Jul 25.
PMID: 28667748
[Similar articles](#)

7. [Glutamate contributes to alcohol hepatotoxicity by enhancing oxidative stress in mitochondria.](#)
Teplova VV, Kruglov AG, Kovalyov LI, Nikiforova AB, Fedotcheva NI, Lemasters JJ.
J Bioenerg Biomembr. 2017 Jun;49(3):253-264. doi: 10.1007/s10863-017-9713-0. Epub 2017 May 6.
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8. [Parkin deficiency exacerbate ethanol-induced dopaminergic neurodegeneration by P38 pathway dependent inhibition of autophagy and mitochondrial function.](#)
Hwang CJ, Kim YE, Son DJ, Park MH, Choi DY, Park PH, Hellström M, Han SB, Oh KW, Park EK, Hong JT.
Redox Biol. 2017 Apr;11:456-468. doi: 10.1016/j.redox.2016.12.008. Epub 2016 Dec 8.
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Galicía-Moreno M, Rosique-Oramas D, Medina-Avila Z, Álvarez-Torres T, Falcón D, Higuera-de la Tijera F, Béjar YL, Cordero-Pérez P, Muñoz-Espinosa L, Pérez-Hernández JL, Kershenovich D, Gutierrez-Reyes G.
Oxid Med Cell Longev. 2016;2016:9370565. doi: 10.1155/2016/9370565.
Epub 2016 Dec 15.
PMID: 28074118 [Free PMC Article](#)
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Duplanty AA, Simon L, Molina PE.
Alcohol Alcohol. 2017 May 1;52(3):298-304. doi: 10.1093/alcalc/agw107.
PMID: 28069597
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11. [Cellular and molecular mechanisms underlying alcohol-induced aggressiveness of breast cancer.](#)
Wang Y, Xu M, Ke ZJ, Luo J.
Pharmacol Res. 2017 Jan;115:299-308. doi: 10.1016/j.phrs.2016.12.005.
Epub 2016 Dec 8. Review.
PMID: 27939360

[Similar articles](#)

12. [Mitochondrial remodeling in the liver following chronic alcohol feeding to rats.](#)
Han D, Johnson HS, Rao MP, Martin G, Sancheti H, Silkwood KH, Decker CW, Nguyen KT, Casian JG, Cadenas E, Kaplowitz N.
Free Radic Biol Med. 2017 Jan;102:100-110. doi: 10.1016/j.freeradbiomed.2016.11.020. Epub 2016 Nov 17.
PMID: 27867097
[Similar articles](#)

13. [Capsaicin and dihydrocapsaicin induce apoptosis in human glioma cells via ROS and Ca²⁺-mediated mitochondrial pathway.](#)
Xie L, Xiang GH, Tang T, Tang Y, Zhao LY, Liu D, Zhang YR, Tang JT, Zhou S, Wu DH.
Mol Med Rep. 2016 Nov;14(5):4198-4208. doi: 10.3892/mmr.2016.5784.
Epub 2016 Sep 26.
PMID: 27748914 [Free PMC Article](#)
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Eid N, Ito Y, Otsuki Y.
Front Pharmacol. 2016 Apr 29;7:100. doi: 10.3389/fphar.2016.00100.
eCollection 2016.
PMID: 27199746 [Free PMC Article](#)
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15. [A Mechanistic Review of Cell Death in Alcohol-Induced Liver Injury.](#)
Wang S, Pacher P, De Lisle RC, Huang H, Ding WX.
Alcohol Clin Exp Res. 2016 Jun;40(6):1215-23. doi: 10.1111/acer.13078.
Epub 2016 Apr 30. Review.
PMID: 27130888 [Free PMC Article](#)
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Stiuso P, Bagarolo ML, Ilisso CP, Vanacore D, Martino E, Caraglia M, Porcelli M, Cacciapuoti G.
Int J Mol Sci. 2016 Apr 26;17(5). pii: E622. doi: 10.3390/ijms17050622.
PMID: 27128904 [Free PMC Article](#)
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17. [New treatment options for alcoholic hepatitis.](#)
Shasthry SM, Sarin SK.
World J Gastroenterol. 2016 Apr 21;22(15):3892-906. doi: 10.3748/wjg.v22.i15.3892. Review.
PMID: 27099434 [Free PMC Article](#)
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18. [Adipose tissue-liver axis in alcoholic liver disease.](#)
Wang ZG, Dou XB, Zhou ZX, Song ZY.
World J Gastrointest Pathophysiol. 2016 Feb 15;7(1):17-26. doi:

10.4291/wjgp.v7.i1.17.

PMID: 26909225 [Free PMC Article](#)

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19. [Ion Channels and Oxidative Stress as a Potential Link for the Diagnosis or Treatment of Liver Diseases.](#)
Ramírez A, Vázquez-Sánchez AY, Carrión-Robalino N, Camacho J.
Oxid Med Cell Longev. 2016;2016:3928714. doi: 10.1155/2016/3928714.
Epub 2016 Jan 5. Review.
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20. [Chronic Alcohol Consumption Leads to a Tissue Specific Expression of Uncoupling Protein-2.](#)
Graw JA, von Haefen C, Poyraz D, Möbius N, Sifringer M, Spies CD.
Int J Med Sci. 2015 Nov 23;12(12):995-9. doi: 10.7150/ijms.13193.
eCollection 2015.
PMID: 26664262 [Free PMC Article](#)
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Biomolecules. 2015 Nov 20;5(4):3295-308. doi: 10.3390/biom5043295.
PMID: 26610588 [Free PMC Article](#)
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Exp Cell Res. 2016 Jan 15;340(2):187-92. doi: 10.1016/j.yexcr.2015.10.021.
Epub 2015 Oct 26. Review.
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Varga ZV, Ferdinandy P, Liaudet L, Pacher P.
Am J Physiol Heart Circ Physiol. 2015 Nov;309(9):H1453-67. doi: 10.1152/ajpheart.00554.2015. Epub 2015 Sep 18. Review.
PMID: 26386112 [Free PMC Article](#)
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Iracheta-Vellve A, Petrasek J, Satishchandran A, Gyongyosi B, Saha B, Kodys K, Fitzgerald KA, Kurt-Jones EA, Szabo G.
J Hepatol. 2015 Nov;63(5):1147-55. doi: 10.1016/j.jhep.2015.06.013. Epub 2015 Jun 20.
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Gastroenterology. 2015 Oct;149(4):1030-41.e6. doi:

10.1053/j.gastro.2015.06.009. Epub 2015 Jun 20.

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Int J Biol Sci. 2015 Apr 3;11(5):569-86. doi: 10.7150/ijbs.11039. eCollection 2015.

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[Dysregulation of skeletal muscle protein metabolism by alcohol.](#)

27. Steiner JL, Lang CH.

Am J Physiol Endocrinol Metab. 2015 May 1;308(9):E699-712. doi:

10.1152/ajpendo.00006.2015. Epub 2015 Mar 10. Review.

PMID: 25759394 [Free PMC Article](#)

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28. [Tumor-induced CD11b\(+\) Gr-1\(+\) myeloid-derived suppressor cells exacerbate immune-mediated hepatitis in mice in a CD40-dependent manner.](#)

Kapanadze T, Medina-Echeverez J, Gamrekelashvili J, Weiss JM, Wiltrout RH, Kapoor V, Hawk N, Terabe M, Berzofsky JA, Manns MP, Wang E, Marincola FM, Korangy F, Greten TF.

Eur J Immunol. 2015 Apr;45(4):1148-58. doi: 10.1002/eji.201445093. Epub 2015 Feb 23.

PMID: 25616156 [Free PMC Article](#)

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29. [Mitochondrial dysfunction and tissue injury by alcohol, high fat, nonalcoholic substances and pathological conditions through post-translational protein modifications.](#)

Song BJ, Akbar M, Abdelmegeed MA, Byun K, Lee B, Yoon SK, Hardwick JP.

Redox Biol. 2014;3:109-23. Review.

PMID: 25465468 [Free PMC Article](#)

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30. [Farnesoid X receptor regulates forkhead Box O3a activation in ethanol-induced autophagy and hepatotoxicity.](#)

Manley S, Ni HM, Williams JA, Kong B, DiTacchio L, Guo G, Ding WX.

Redox Biol. 2014;2:991-1002. doi: 10.1016/j.redox.2014.08.007. Epub 2014 Aug 28.

PMID: 25460735 [Free PMC Article](#)

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-
31. [Mitochondrial cholesterol accumulation in alcoholic liver disease: Role of ASMase and endoplasmic reticulum stress.](#)
Marí M, Morales A, Colell A, García-Ruiz C, Fernández-Checa JC.
Redox Biol. 2014;3:100-8. doi: 10.1016/j.redox.2014.09.005. Epub 2014 Sep 28. Review.
PMID: 25453982 [Free PMC Article](#)
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Curr Pathobiol Rep. 2013 Sep 1;1(3):159-168.
PMID: 25343061 [Free PMC Article](#)
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33. [Differentially co-expressed genes in postmortem prefrontal cortex of individuals with alcohol use disorders: influence on alcohol metabolism-related pathways.](#)
Zhang H, Wang F, Xu H, Liu Y, Liu J, Zhao H, Gelernter J.
Hum Genet. 2014 Nov;133(11):1383-94. doi: 10.1007/s00439-014-1473-x. Epub 2014 Jul 30.
PMID: 25073604 [Free PMC Article](#)
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34. [Chronic ethanol exposure alters the lung proteome and leads to mitochondrial dysfunction in alveolar type 2 cells.](#)
Alli AA, Brewer EM, Montgomery DS, Ghant MS, Eaton DC, Brown LA, Helms MN.
Am J Physiol Lung Cell Mol Physiol. 2014 Jun 1;306(11):L1026-35. doi: 10.1152/ajplung.00287.2013. Epub 2014 Mar 28.
PMID: 24682449 [Free PMC Article](#)
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35. [Inhibitors of mitochondrial fission as a therapeutic strategy for diseases with oxidative stress and mitochondrial dysfunction.](#)
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J Alzheimers Dis. 2014;40(2):245-56. doi: 10.3233/JAD-132060. Review.
PMID: 24413616 [Free PMC Article](#)
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36. [Greater monoamine oxidase a binding in alcohol dependence.](#)
Matthews BA, Kish SJ, Xu X, Boileau I, Rusjan PM, Wilson AA, DiGiacomo D, Houle S, Meyer JH.
Biol Psychiatry. 2014 May 15;75(10):756-64. doi: 10.1016/j.biopsych.2013.10.010. Epub 2013 Oct 12.
PMID: 24269057 [Free PMC Article](#)
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Orman ES, Odena G, Bataller R.
J Gastroenterol Hepatol. 2013 Aug;28 Suppl 1:77-84. doi: 10.1111/jgh.12030. Review.
PMID: 23855300 [Free PMC Article](#)
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-

38. [Increased nitroxidative stress promotes mitochondrial dysfunction in alcoholic and nonalcoholic fatty liver disease.](#)
Song BJ, Abdelmegeed MA, Henderson LE, Yoo SH, Wan J, Purohit V, Hardwick JP, Moon KH.
Oxid Med Cell Longev. 2013;2013:781050. doi: 10.1155/2013/781050. Epub 2013 Apr 3. Review.
PMID: 23691267 [Free PMC Article](#)
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39. [Focus on the liver: alcohol use, highly active antiretroviral therapy, and liver disease in HIV-infected patients.](#)
Barve S, Kapoor R, Moghe A, Ramirez JA, Eaton JW, Gobejishvili L, Joshi-Barve S, McClain CJ.
Alcohol Res Health. 2010;33(3):229-36. Review.
PMID: 23584064 [Free PMC Article](#)
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40. [Focus on: Alcohol and the liver.](#)
Szabo G, Mandrekar P.
Alcohol Res Health. 2010;33(1-2):87-96. Review.
PMID: 23579939 [Free PMC Article](#)
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41. [Coenzyme Q10 rescues ethanol-induced corneal fibroblast apoptosis through the inhibition of caspase-2 activation.](#)
Chen CC, Liou SW, Chen CC, Chen WC, Hu FR, Wang IJ, Lin SJ.
J Biol Chem. 2013 Apr 26;288(17):11689-704. doi: 10.1074/jbc.M112.401844. Epub 2013 Feb 19.
PMID: 23430247 [Free PMC Article](#)
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42. [Binge ethanol and liver: new molecular developments.](#)
Shukla SD, Pruett SB, Szabo G, Arteel GE.
Alcohol Clin Exp Res. 2013 Apr;37(4):550-7. doi: 10.1111/acer.12011. Epub 2013 Jan 24. Review.
PMID: 23347137 [Free PMC Article](#)
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43. [Transgenic control of mitochondrial fission induces mitochondrial uncoupling and relieves diabetic oxidative stress.](#)
Galloway CA, Lee H, Nejjar S, Jhun BS, Yu T, Hsu W, Yoon Y.
Diabetes. 2012 Aug;61(8):2093-104. doi: 10.2337/db11-1640. Epub 2012 Jun 14.
PMID: 22698920 [Free PMC Article](#)
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Chen P, Tu X, Akdemir F, Chew SK, Rothenfluh A, Abrams JM.
Cell Death Differ. 2012 Oct;19(10):1655-63. doi: 10.1038/cdd.2012.47. Epub 2012 Apr 27.
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Das S, Hajnóczky N, Antony AN, Csordás G, Gaspers LD, Clemens DL, Hoek JB, Hajnóczky G.
Pflugers Arch. 2012 Jul;464(1):101-9. doi: 10.1007/s00424-012-1100-4.
Epub 2012 Apr 19.
PMID: 22526459 [Free PMC Article](#)
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46. [Oxidative stress and inflammation: essential partners in alcoholic liver disease.](#)

Ambade A, Mandrekar P.
Int J Hepatol. 2012;2012:853175. doi: 10.1155/2012/853175. Epub 2012 Mar 1.
PMID: 22500241 [Free PMC Article](#)
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Yuan Y, Peng L, Gong-Hua H, Lu D, Xia-Li Z, Yu Z, Cai-Gao Z.
Braz J Med Biol Res. 2012 Jun;45(6):482-7. Epub 2012 Mar 22.
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48. [Hepatoprotective and anti-inflammatory cytokines in alcoholic liver disease.](#)

Gao B.
J Gastroenterol Hepatol. 2012 Mar;27 Suppl 2:89-93. doi: 10.1111/j.1440-1746.2011.07003.x. Review.
PMID: 22320924 [Free PMC Article](#)
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Jin Y, Yu Q, Zhou D, Chen L, Huang X, Xu G, Huang J, Gao X, Gao Y, Shen L.
Genet Test Mol Biomarkers. 2012 May;16(5):330-4. doi: 10.1089/gtmb.2011.0208. Epub 2012 Jan 27.
PMID: 22283196 [Free PMC Article](#)
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Holmuhamedov EL, Czerny C, Beeson CC, Lemasters JJ.
J Biol Chem. 2012 Mar 2;287(10):7692-700. doi: 10.1074/jbc.M111.293399. Epub 2012 Jan 6.
PMID: 22228763 [Free PMC Article](#)
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Int J Hepatol. 2012;2012:962183. doi: 10.1155/2012/962183. Epub 2011 Dec 8.
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-
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Biochim Biophys Acta. 2012 Jun;1818(6):1536-44. doi: 10.1016/j.bbame.2011.11.034. Epub 2011 Dec 7. Review.
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Cederbaum AI, Yang L, Wang X, Wu D.
Int J Hepatol. 2012;2012:582790. doi: 10.1155/2012/582790. Epub 2011 Oct 18.
PMID: 22028977 [Free PMC Article](#)
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PMID: 21920463 [Free PMC Article](#)
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Chen CC, Liou SW, Chen CC, Chen WC, Hu FR, Wang IJ, Lin SJ.
PLoS One. 2011 Apr 27;6(4):e19111. doi: 10.1371/journal.pone.0019111.
PMID: 21556371 [Free PMC Article](#)
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56. [Mitochondria-targeted ubiquinone \(MitoQ\) decreases ethanol-dependent micro and macro hepatosteatosis.](#)
Chacko BK, Srivastava A, Johnson MS, Benavides GA, Chang MJ, Ye Y, Jhala N, Murphy MP, Kalyanaraman B, Darley-Usmar VM.
Hepatology. 2011 Jul;54(1):153-63. doi: 10.1002/hep.24377.
PMID: 21520201 [Free PMC Article](#)
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57. [Cellular and mitochondrial effects of alcohol consumption.](#)
Manzo-Avalos S, Saavedra-Molina A.
Int J Environ Res Public Health. 2010 Dec;7(12):4281-304. doi: 10.3390/ijerph7124281. Epub 2010 Dec 21. Review.
PMID: 21318009 [Free PMC Article](#)
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58. [Drinks like a fish: using zebrafish to understand alcoholic liver disease.](#)
Howarth DL, Passeri M, Sadler KC.
Alcohol Clin Exp Res. 2011 May;35(5):826-9. doi: 10.1111/j.1530-0277.2010.01407.x. Epub 2011 Feb 1. Review.
PMID: 21284674 [Free PMC Article](#)

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[Mitochondria and redox signaling in steatohepatitis.](#)

59. Morris EM, Rector RS, Thyfault JP, Ibdah JA.
Antioxid Redox Signal. 2011 Jul 15;15(2):485-504. doi:
10.1089/ars.2010.3795. Epub 2011 Apr 26. Review.
PMID: 21128703 [Free PMC Article](#)

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[Ethanol sensitizes mitochondria to the permeability transition by inhibiting deacetylation of cyclophilin-D mediated by sirtuin-3.](#)

60. Shulga N, Pastorino JG.
J Cell Sci. 2010 Dec 1;123(Pt 23):4117-27. doi: 10.1242/jcs.073502. Epub
2010 Nov 9. Retraction in: [J Cell Sci. 2016 Jul 1;129\(13\):2685.](#)
PMID: 21062897 [Free PMC Article](#)

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61. Kholmukhamedov EL, Czerny C, Lovelace G, Beeson KC, Baker T, Johnson CB, Pediaditakis P, Teplova VV, Tikunov A, MacDonald J, Lemasters JJ.
Biofizika. 2010 Sep-Oct;55(5):822-33. Russian.
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[Interleukin-6 is an important mediator for mitochondrial DNA repair after alcoholic liver injury in mice.](#)

62. Zhang X, Tachibana S, Wang H, Hisada M, Williams GM, Gao B, Sun Z.
Hepatology. 2010 Dec;52(6):2137-47. doi: 10.1002/hep.23909. Epub 2010
Oct 7.
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[Aldehyde dehydrogenase 2 knockout accentuates ethanol-induced cardiac depression: role of protein phosphatases.](#)

63. Ma H, Yu L, Byra EA, Hu N, Kitagawa K, Nakayama KI, Kawamoto T, Ren J.
J Mol Cell Cardiol. 2010 Aug;49(2):322-9. doi: 10.1016/j.yjmcc.2010.03.017.
Epub 2010 Apr 1.
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[Differential expression of proteins in fetal brains of alcohol-treated prenatally C57BL/6 mice: a proteomic investigation.](#)

64. Sari Y, Zhang M, Mechref Y.
Electrophoresis. 2010 Jan;31(3):483-96. doi: 10.1002/elps.200900385.
PMID: 20119957 [Free PMC Article](#)

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[Alcohol consumption and breast tumor mitochondrial DNA mutations.](#)

65. Platek ME, Shields PG, Tan D, Marian C, Bonner MR, McCann SE, Nie J, Wilding GE, Ambrosone C, Millen AE, Trevisan M,

Russell M, Nochajski TH, Edge SB, Winston J, Freudenheim JL.
Breast Cancer Res Treat. 2010 Jun;121(2):453-60. doi: 10.1007/s10549-009-0587-7. Epub 2009 Oct 22.
PMID: 19847642 [Free PMC Article](#)
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66. [CYP2E1 potentiation of LPS and TNF \$\alpha\$ -induced hepatotoxicity by mechanisms involving enhanced oxidative and nitrosative stress, activation of MAP kinases, and mitochondrial dysfunction.](#)

Lu Y, Cederbaum AI.
Genes Nutr. 2010 Jun;5(2):149-67. doi: 10.1007/s12263-009-0150-5. Epub 2009 Oct 2.
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67. [Execution of superoxide-induced cell death by the proapoptotic Bcl-2-related proteins Bid and Bak.](#)

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Mol Cell Biol. 2009 Jun;29(11):3099-112. doi: 10.1128/MCB.01845-08. Epub 2009 Mar 30.
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68. [Is the iron regulatory hormone hepcidin a risk factor for alcoholic liver disease?](#)

Harrison-Findik DD.
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PMID: 19291818 [Free PMC Article](#)
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69. [Statin adverse effects : a review of the literature and evidence for a mitochondrial mechanism.](#)

Golomb BA, Evans MA.
Am J Cardiovasc Drugs. 2008;8(6):373-418. doi: 10.2165/0129784-200808060-00004. Review.
PMID: 19159124 [Free PMC Article](#)
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70. [Hepatic steatosis in response to acute alcohol exposure in zebrafish requires sterol regulatory element binding protein activation.](#)

Passeri MJ, Cinaroglu A, Gao C, Sadler KC.
Hepatology. 2009 Feb;49(2):443-52. doi: 10.1002/hep.22667.
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71. [Suppression of PGC-1alpha by Ethanol: Implications of Its Role in Alcohol Induced Liver Injury.](#)

Chaug WW, Jacob A, Ji Y, Wang P.
Int J Clin Exp Med. 2008;1(2):161-70. Epub 2008 Mar 21.
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[The double danger of ethanol and hypoxia: their effects on a](#)

-
72. [hepatoma cell line.](#)
Wang SM, Wu R.
Int J Clin Exp Pathol. 2009;2(2):182-9. Epub 2008 Sep 5.
PMID: 19079654 [Free PMC Article](#)
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- [Activity-dependent neuroprotective protein-derived peptide, NAP, preventing alcohol-induced apoptosis in fetal brain of C57BL/6 mouse.](#)
73. Sari Y.
Neuroscience. 2009 Feb 18;158(4):1426-35. doi: 10.1016/j.neuroscience.2008.11.021. Epub 2008 Nov 21.
PMID: 19073235 [Free PMC Article](#)
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- [Molecular mechanisms of alcoholic fatty liver.](#)
74. Purohit V, Gao B, Song BJ.
Alcohol Clin Exp Res. 2009 Feb;33(2):191-205. doi: 10.1111/j.1530-0277.2008.00827.x. Epub 2008 Nov 19. Review.
PMID: 19032584 [Free PMC Article](#)
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- [Ethanol exposure decreases mitochondrial outer membrane permeability in cultured rat hepatocytes.](#)
75. Holmuhamedov E, Lemasters JJ.
Arch Biochem Biophys. 2009 Jan 15;481(2):226-33. doi: 10.1016/j.abb.2008.10.036. Epub 2008 Nov 11.
PMID: 19014900 [Free PMC Article](#)
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- [Redox mechanisms in hepatic chronic wound healing and fibrogenesis.](#)
76. Novo E, Parola M.
Fibrogenesis Tissue Repair. 2008 Oct 13;1(1):5. doi: 10.1186/1755-1536-1-5.
PMID: 19014652 [Free PMC Article](#)
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- [Oxidative stress disturbs energy metabolism of mitochondria in ethanol-induced gastric mucosa injury.](#)
77. Pan JS, He SZ, Xu HZ, Zhan XJ, Yang XN, Xiao HM, Shi HX, Ren JL.
World J Gastroenterol. 2008 Oct 14;14(38):5857-67.
PMID: 18855985 [Free PMC Article](#)
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78. Klassen LW, Thiele GM, Duryee MJ, Schaffert CS, DeVeney AL, Hunter CD, Olinga P, Tuma DJ.
Biochem Pharmacol. 2008 Aug 1;76(3):426-36. doi: 10.1016/j.bcp.2008.05.012. Epub 2008 May 21.
PMID: 18599023 [Free PMC Article](#)
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[Negundoside, an irridiod glycoside from leaves of Vitex negundo.](#)

-
79. [protects human liver cells against calcium-mediated toxicity induced by carbon tetrachloride.](#)
Tasduq SA, Kaiser PJ, Gupta BD, Gupta VK, Johri RK.
World J Gastroenterol. 2008 Jun 21;14(23):3693-709.
PMID: 18595136 [Free PMC Article](#)
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80. [Mitochondrial protection by low doses of insulin-like growth factor- I in experimental cirrhosis.](#)
Pérez R, García-Fernández M, Díaz-Sánchez M, Puche JE, Delgado G, Conchillo M, Muntané J, Castilla-Cortázar I.
World J Gastroenterol. 2008 May 7;14(17):2731-9.
PMID: 18461658 [Free PMC Article](#)
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81. [Proteomic approaches to identify and characterize alterations to the mitochondrial proteome in alcoholic liver disease.](#)
Bailey SM, Andringa KK, Landar A, Darley-Usmar VM.
Methods Mol Biol. 2008;447:369-80. doi: 10.1007/978-1-59745-242-7_24.
PMID: 18369930 [Free PMC Article](#)
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82. [Mitochondrial dysfunction and oxidative stress in the pathogenesis of alcohol- and obesity-induced fatty liver diseases.](#)
Mantena SK, King AL, Andringa KK, Eccleston HB, Bailey SM.
Free Radic Biol Med. 2008 Apr 1;44(7):1259-72. doi: 10.1016/j.freeradbiomed.2007.12.029. Epub 2008 Jan 3. Review.
PMID: 18242193 [Free PMC Article](#)
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83. [Glutathione content as a potential mediator of the vulnerability of cultured fetal cortical neurons to ethanol-induced apoptosis.](#)
Maffi SK, Rathinam ML, Cherian PP, Pate W, Hamby-Mason R, Schenker S, Henderson GI.
J Neurosci Res. 2008 Apr;86(5):1064-76.
PMID: 18058941 [Free PMC Article](#)
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84. [Novel interactions of mitochondria and reactive oxygen/nitrogen species in alcohol mediated liver disease.](#)
Mantena SK, King AL, Andringa KK, Landar A, Darley-Usmar V, Bailey SM.
World J Gastroenterol. 2007 Oct 7;13(37):4967-73. Review.
PMID: 17854139 [Free PMC Article](#)
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85. [Mitochondrial protein import and human health and disease.](#)
MacKenzie JA, Payne RM.
Biochim Biophys Acta. 2007 May;1772(5):509-23. Epub 2006 Dec 9. Review.
PMID: 17300922 [Free PMC Article](#)
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86. [Pathophysiology of alcoholic pancreatitis: an overview.](#)
Chowdhury P, Gupta P.
World J Gastroenterol. 2006 Dec 14;12(46):7421-7. Review.
PMID: 17167828 [Free PMC Article](#)

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87. [Low concentration of ethanol induce apoptosis in HepG2 cells: role of various signal transduction pathways.](#)
Castaneda F, Rosin-Steiner S.
Int J Med Sci. 2006 Oct 31;3(4):160-7.
PMID: 17088943 [Free PMC Article](#)
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88. [The use of selected nutrition supplements and complementary and alternative medicine in liver disease.](#)
Hanje AJ, Fortune B, Song M, Hill D, McClain C.
Nutr Clin Pract. 2006 Jun;21(3):255-72. Review.
PMID: 16772543 [Free PMC Article](#)
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89. [Clinicopathological significance of mitochondrial D-Loop mutations in head and neck carcinoma.](#)
Lièvre A, Blons H, Houllier AM, Laccourreye O, Brasnu D, Beaune P, Laurent-Puig P.
Br J Cancer. 2006 Mar 13;94(5):692-7.
PMID: 16495928 [Free PMC Article](#)
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90. [Early growth response-1 transcription factor is essential for ethanol-induced fatty liver injury in mice.](#)
McMullen MR, Pritchard MT, Wang Q, Millward CA, Croniger CM, Nagy LE.
Gastroenterology. 2005 Jun;128(7):2066-76.
PMID: 15940638 [Free PMC Article](#)
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91. [Zinc supplementation prevents alcoholic liver injury in mice through attenuation of oxidative stress.](#)
Zhou Z, Wang L, Song Z, Saari JT, McClain CJ, Kang YJ.
Am J Pathol. 2005 Jun;166(6):1681-90.
PMID: 15920153 [Free PMC Article](#)
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92. [Radical induction theory of ulcerative colitis.](#)
Pravda J.
World J Gastroenterol. 2005 Apr 28;11(16):2371-84. Review.
PMID: 15832404 [Free PMC Article](#)
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93. [Ethanol toxicity in pancreatic acinar cells: mediation by nonoxidative fatty acid metabolites.](#)
Criddle DN, Raraty MG, Neoptolemos JP, Tepikin AV, Petersen OH, Sutton R.
Proc Natl Acad Sci U S A. 2004 Jul 20;101(29):10738-43. Epub 2004 Jul 9.
PMID: 15247419 [Free PMC Article](#)
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94. [Experimental Assessment of the Role of Acetaldehyde in Alcoholic Cardiomyopathy.](#)
Aberle II NS, Ren J.

Biol Proced Online. 2003;5:1-12. Epub 2003 Feb 17.

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