

# Byoung-Joon Song

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

3,815  
citations

126708

33  
h-index

143772

57  
g-index

64  
all docs

64  
docs citations

64  
times ranked

5624  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | JNK- and p38 Kinase-mediated Phosphorylation of Bax Leads to Its Activation and Mitochondrial Translocation and to Apoptosis of Human Hepatoma HepG2 Cells. <i>Journal of Biological Chemistry</i> , 2006, 281, 21256-21265.                                       | 1.6 | 402       |
| 2  | Ethanol Induces CYP2E1 by Protein Stabilization. <i>Journal of Biological Chemistry</i> , 1995, 270, 29632-29635.  | 1.6 | 239       |
| 3  | PPAR $\alpha$ Expression Protects Male Mice from High Fat-Induced Nonalcoholic Fatty Liver <sup>1</sup> 3. <i>Journal of Nutrition</i> , 2011, 141, 603-610.   | 1.3 | 224       |
| 4  | Critical role of cytochrome P450 2E1 (CYP2E1) in the development of high fat-induced non-alcoholic steatohepatitis. <i>Journal of Hepatology</i> , 2012, 57, 860-866.  | 1.8 | 204       |
| 5  | CYP2E1 potentiates binge alcohol-induced gut leakiness, steatohepatitis, and apoptosis. <i>Free Radical Biology and Medicine</i> , 2013, 65, 1238-1245.  | 1.3 | 169       |
| 6  | Advanced glycation end products (AGEs) and other adducts in aging-related diseases and alcohol-mediated tissue injury. <i>Experimental and Molecular Medicine</i> , 2021, 53, 168-188.   | 3.2 | 144       |
| 7  | Fructose Promotes Leaky Gut, Endotoxemia, and Liver Fibrosis Through Ethanol-Inducible Cytochrome P450 $\alpha$ 2E1-Mediated Oxidative and Nitrate Stress. <i>Hepatology</i> , 2021, 73, 2180-2195.  | 3.6 | 134       |
| 8  | Sulfisoxazole inhibits the secretion of small extracellular vesicles by targeting the endothelin receptor A. <i>Nature Communications</i> , 2019, 10, 1387.  | 5.8 | 130       |
| 9  | Mitochondrial dysfunction and cell death in neurodegenerative diseases through nitroxidative stress. <i>Brain Research</i> , 2016, 1637, 34-55.  | 1.1 | 121       |
| 10 | Prevention of alcoholic fatty liver and mitochondrial dysfunction in the rat by long-chain polyunsaturated fatty acids. <i>Journal of Hepatology</i> , 2008, 49, 262-273.  | 1.8 | 100       |
| 11 | Mitochondrial dysfunction and tissue injury by alcohol, high fat, nonalcoholic substances and pathological conditions through post-translational protein modifications. <i>Redox Biology</i> , 2014, 3, 109-123.   | 3.9 | 98        |
| 12 | Melatonin and Autophagy in Aging-Related Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7174.  | 1.8 | 87        |
| 13 | Downregulation of microRNA-451 in non-alcoholic steatohepatitis inhibits fatty acid-induced proinflammatory cytokine production through the AMPK/AKT pathway. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 64, 265-276.                   | 1.2 | 86        |
| 14 | Role of Alcohol Drinking in Alzheimer's Disease, Parkinson's Disease, and Amyotrophic Lateral Sclerosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2316.  | 1.8 | 75        |
| 15 | Robust protein nitration contributes to acetaminophen-induced mitochondrial dysfunction and acute liver injury. <i>Free Radical Biology and Medicine</i> , 2013, 60, 211-222.  | 1.3 | 70        |
| 16 | Increased ethanol-inducible cytochrome P450 $\alpha$ 2E1 and cytochrome P450 isoforms in exosomes of alcohol-exposed rodents and patients with alcoholism through oxidative and endoplasmic reticulum stress. <i>Hepatology Communications</i> , 2017, 1, 675-690. | 2.0 | 70        |
| 17 | Role of CYP2E1 in Mitochondrial Dysfunction and Hepatic Injury by Alcohol and Non-Alcoholic Substances. <i>Current Molecular Pharmacology</i> , 2017, 10, 207-225.   | 0.7 | 66        |
| 18 | Post-translational modifications of mitochondrial aldehyde dehydrogenase and biomedical implications. <i>Journal of Proteomics</i> , 2011, 74, 2691-2702.  | 1.2 | 61        |

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|----|--|-----|-----------|
| 19 | Medications for alcohol use disorders: An overview. , 2018, 185, 64-85.  |     | 61        |
| 20 | Apoptosis of enterocytes and nitration of junctional complex proteins promote alcohol-induced gut leakiness and liver injury. Journal of Hepatology, 2018, 69, 142-153.  | 1.8 | 58        |
| 21 | Pomegranate prevents binge alcohol-induced gut leakiness and hepatic inflammation by suppressing oxidative and nitrative stress. Redox Biology, 2018, 18, 266-278.   | 3.9 | 56        |
| 22 | Mechanisms of MDMA (Ecstasy)-Induced Oxidative Stress, Mitochondrial Dysfunction, and Organ Damage. Current Pharmaceutical Biotechnology, 2010, 11, 434-443.   | 0.9 | 55        |
| 23 | Diet high in fructose promotes liver steatosis and hepatocyte apoptosis in C57BL/6J female mice: Role of disturbed lipid homeostasis and increased oxidative stress. Food and Chemical Toxicology, 2017, 103, 111-121.                               | 1.8 | 55        |
| 24 | The Influence of Gut Dysbiosis in the Pathogenesis and Management of Ischemic Stroke. Cells, 2022, 11, 1239.   | 1.8 | 55        |
| 25 | Increased Nitroxidative Stress Promotes Mitochondrial Dysfunction in Alcoholic and Nonalcoholic Fatty Liver Disease. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-14.  | 1.9 | 54        |
| 26 | Increased liver-specific proteins in circulating extracellular vesicles as potential biomarkers for drug- and alcohol-induced liver injury. PLoS ONE, 2017, 12, e0172463.  | 1.1 | 53        |
| 27 | Extracellular vesicles as potential biomarkers for alcohol- and drug-induced liver injury and their therapeutic applications. , 2018, 187, 180-194.  |     | 50        |
| 28 | Preventive effects of indole-3-carbinol against alcohol-induced liver injury in mice via antioxidant, anti-inflammatory, and anti-apoptotic mechanisms: Role of gut-liver-adipose tissue axis. Journal of Nutritional Biochemistry, 2018, 55, 12-25. | 1.9 | 50        |
| 29 | Functional Roles of Protein Nitration in Acute and Chronic Liver Diseases. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-21.  | 1.9 | 47        |
| 30 | Binge alcohol promotes hypoxic liver injury through a CYP2E1/HIF-1 $\alpha$ -dependent apoptosis pathway in mice and humans. Free Radical Biology and Medicine, 2014, 77, 183-194.   | 1.3 | 47        |
| 31 | Cytochrome P450-2E1 promotes aging-related hepatic steatosis, apoptosis and fibrosis through increased nitroxidative stress. Free Radical Biology and Medicine, 2016, 91, 188-202.   | 1.3 | 44        |
| 32 | Critical role of c-jun N-terminal protein kinase in promoting mitochondrial dysfunction and acute liver injury. Redox Biology, 2015, 6, 552-564.   | 3.9 | 41        |
| 33 | Mechanistic Insights into the Link between Gut Dysbiosis and Major Depression: An Extensive Review. Cells, 2022, 11, 1362.   | 1.8 | 40        |
| 34 | Neuronal Cell Death and Degeneration through Increased Nitroxidative Stress and Tau Phosphorylation in HIV-1 Transgenic Rats. PLoS ONE, 2017, 12, e0169945.  | 1.1 | 39        |
| 35 | Translational Approaches with Antioxidant Phytochemicals against Alcohol-Mediated Oxidative Stress, Gut Dysbiosis, Intestinal Barrier Dysfunction, and Fatty Liver Disease. Antioxidants, 2021, 10, 384.   | 2.2 | 38        |
| 36 | Cytochrome P450-2E1 promotes fast food-mediated hepatic fibrosis. Scientific Reports, 2017, 7, 39764.  | 1.6 | 36        |

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|----|---|-----|-----------|
| 37 | Translational Implications of the Alcohol-Metabolizing Enzymes, Including Cytochrome P450-2E1, in Alcoholic and Nonalcoholic Liver Disease. <i>Advances in Pharmacology</i> , 2015, 74, 303-372.  | 1.2 | 35        |
| 38 | Exogenous exosomes from mice with acetaminophen-induced liver injury promote toxicity in the recipient hepatocytes and mice. <i>Scientific Reports</i> , 2018, 8, 16070.  | 1.6 | 35        |
| 39 | Mastocytosis-derived extracellular vesicles exhibit a mast cell signature, transfer KIT to stellate cells, and promote their activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10692-E10701. | 3.3 | 34        |
| 40 | Chronic Glutathione Depletion Confers Protection against Alcohol-induced Steatosis: Implication for Redox Activation of AMP-activated Protein Kinase Pathway. <i>Scientific Reports</i> , 2016, 6, 29743.   | 1.6 | 33        |
| 41 | Preventive effects of dietary walnuts on high-fat-induced hepatic fat accumulation, oxidative stress and apoptosis in mice. <i>Journal of Nutritional Biochemistry</i> , 2016, 38, 70-80.   | 1.9 | 30        |
| 42 | Macitentan improves antitumor immune responses by inhibiting the secretion of tumor-derived extracellular vesicle PD-L1. <i>Theranostics</i> , 2022, 12, 1971-1987.   | 4.6 | 30        |
| 43 | Chronic mild stress augments MPTP induced neurotoxicity in a murine model of Parkinson's disease. <i>Physiology and Behavior</i> , 2017, 173, 132-143.  | 1.0 | 28        |
| 44 | Proteomic analysis of acetaminophen-induced hepatotoxicity and identification of heme oxygenase 1 as a potential plasma biomarker of liver injury. <i>Proteomics - Clinical Applications</i> , 2017, 11, 1600123.   | 0.8 | 26        |
| 45 | Microglial AGE-albumin is critical for neuronal death in Parkinson&#39;s disease: a possible implication for theranostics. <i>International Journal of Nanomedicine</i> , 2015, Volume 10, 281-292.   | 3.3 | 24        |
| 46 | Microglial AGE-Albumin Is Critical in Promoting Alcohol-Induced Neurodegeneration in Rats and Humans. <i>PLoS ONE</i> , 2014, 9, e104699.   | 1.1 | 23        |
| 47 | Dietary walnut reduces hepatic triglyceride content in high-fat-fed mice via modulation of hepatic fatty acid metabolism and adipose tissue inflammation. <i>Journal of Nutritional Biochemistry</i> , 2016, 30, 116-125.                                   | 1.9 | 21        |
| 48 | Contributing Roles of CYP2E1 and Other Cytochrome P450 Isoforms in Alcohol-Related Tissue Injury and Carcinogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1164, 73-87.  | 0.8 | 20        |
| 49 | Increased Sensitivity to Binge Alcohol-Induced Gut Leakiness and Inflammatory Liver Disease in HIV Transgenic Rats. <i>PLoS ONE</i> , 2015, 10, e0140498.   | 1.1 | 20        |
| 50 | Ellagic Acid Prevents Binge Alcohol-Induced Leaky Gut and Liver Injury through Inhibiting Gut Dysbiosis and Oxidative Stress. <i>Antioxidants</i> , 2021, 10, 1386.   | 2.2 | 17        |
| 51 | Mitochondria-Endoplasmic Reticulum Crosstalk in Parkinson&#x2019;s Disease: The Role of Brain Renin Angiotensin System Components. <i>Biomolecules</i> , 2021, 11, 1669.  | 1.8 | 17        |
| 52 | A Simple Method to Systematically Study Oxidatively Modified Proteins in Biological Samples and Its Applications. <i>Methods in Enzymology</i> , 2010, 473, 251-264.  | 0.4 | 16        |
| 53 | Cytochrome P450-2E1 is involved in aging-related kidney damage in mice through increased nitroxidative stress. <i>Food and Chemical Toxicology</i> , 2017, 109, 48-59.  | 1.8 | 14        |
| 54 | Dietary Supplements/Antioxidants: Impact on Redox Status in Brain Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-2.   | 1.9 | 9         |

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|----|--|-----|-----------|
| 55 | Ethanol induces skin hyperpigmentation in mice with aldehyde dehydrogenase 2 deficiency. <i>Chemico-Biological Interactions</i> , 2019, 302, 61-66.  | 1.7 | 7         |
| 56 | Plum Prevents Intestinal and Hepatic Inflammation in the Acute and Chronic Models of Dextran Sulfate Sodium-Induced Mouse Colitis. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2101049.  | 1.5 | 7         |
| 57 | Tartary buckwheat extract alleviates alcohol-induced acute and chronic liver injuries through the inhibition of oxidative stress and mitochondrial cell death pathway. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 70-89. | 0.0 | 5         |
| 58 | Aldh2 Attenuates Stem Cell Factor/Kit-Dependent Signaling and Activation in Mast Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6216.   | 1.8 | 3         |
| 59 | Ethanol Mediates Cell Cycle Arrest and Apoptosis in SK-N-SH Neuroblastoma Cells. <i>Journal of Cancer Prevention</i> , 2014, 19, 39-46.  | 0.8 | 2         |
| 60 | JNK- and p38 kinase-mediated phosphorylation of Bax leads to its activation, mitochondrial translocation and apoptosis: a novel mechanism. <i>FASEB Journal</i> , 2006, 20, A120.  | 0.2 | 0         |
| 61 | Characterization of essential fatty acid metabolism using the stable isotope tracer technique and gas chromatography/ mass spectrometric assay. <i>FASEB Journal</i> , 2009, 23, 506.2.  | 0.2 | 0         |