

Andreas K Nessler

List of Publications by Citations

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266
papers

10,832
citations

53
h-index

93
g-index

279
ext. papers

12,200
ext. citations

5
avg, IF

5.73
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 266 | Recent advances in 2D and 3D in vitro systems using primary hepatocytes, alternative hepatocyte sources and non-parenchymal liver cells and their use in investigating mechanisms of hepatotoxicity, cell signaling and ADME. <i>Archives of Toxicology</i> , 2013 , 87, 1315-530 | 5.8 | 837 |
| 265 | Inflammation, immunoregulation, and inducible nitric oxide synthase. <i>Journal of Leukocyte Biology</i> , 1993 , 54, 171-178 | 6.5 | 626 |
| 264 | Extensive genetic polymorphism in the human CYP2B6 gene with impact on expression and function in human liver. <i>Pharmacogenetics and Genomics</i> , 2001 , 11, 399-415 | | 503 |
| 263 | Sex is a major determinant of CYP3A4 expression in human liver. <i>Hepatology</i> , 2003 , 38, 978-988 | 11.2 | 374 |
| 262 | Quercetin protects human hepatocytes from ethanol-derived oxidative stress by inducing heme oxygenase-1 via the MAPK/Nrf2 pathways. <i>Journal of Hepatology</i> , 2007 , 47, 253-61 | 13.4 | 278 |
| 261 | Sex is a major determinant of CYP3A4 expression in human liver. <i>Hepatology</i> , 2003 , 38, 978-88 | 11.2 | 217 |
| 260 | Glutathione depletion causes cell growth inhibition and enhanced apoptosis in pancreatic cancer cells. <i>Cancer</i> , 2000 , 89, 1440-1447 | 6.4 | 197 |
| 259 | Interindividual variability of canalicular ATP-binding-cassette (ABC)-transporter expression in human liver. <i>Hepatology</i> , 2006 , 44, 62-74 | 11.2 | 192 |
| 258 | Antimalarial artemisinin drugs induce cytochrome P450 and MDR1 expression by activation of xenosensors pregnane X receptor and constitutive androstane receptor. <i>Molecular Pharmacology</i> , 2005 , 67, 1954-65 | 4.3 | 190 |
| 257 | Oxidative stress-mediated cytotoxicity and metabolism of T-2 toxin and deoxynivalenol in animals and humans: an update. <i>Archives of Toxicology</i> , 2014 , 88, 1309-26 | 5.8 | 169 |
| 256 | Differentiation of in vitro-modified human peripheral blood monocytes into hepatocyte-like and pancreatic islet-like cells. <i>Gastroenterology</i> , 2005 , 128, 1774-86 | 13.3 | 168 |
| 255 | L-arginine-dependent destruction of intrahepatic malaria parasites in response to tumor necrosis factor and/or interleukin 6 stimulation. <i>European Journal of Immunology</i> , 1991 , 21, 227-30 | 6.1 | 166 |
| 254 | Present status and perspectives of cell-based therapies for liver diseases. <i>Journal of Hepatology</i> , 2006 , 45, 144-59 | 13.4 | 163 |
| 253 | HepaRG human hepatic cell line utility as a surrogate for primary human hepatocytes in drug metabolism assessment in vitro. <i>Journal of Pharmacological and Toxicological Methods</i> , 2011 , 63, 59-68 | 1.7 | 156 |
| 252 | Pathophysiologic role of oxygen free radicals in acute pancreatitis: initiating event or mediator of tissue damage?. <i>Annals of Surgery</i> , 2000 , 231, 352-60 | 7.8 | 113 |
| 251 | A malaria heat-shock-like determinant expressed on the infected hepatocyte surface is the target of antibody-dependent cell-mediated cytotoxic mechanisms by nonparenchymal liver cells. <i>European Journal of Immunology</i> , 1990 , 20, 1445-9 | 6.1 | 109 |
| 250 | PPARA: a novel genetic determinant of CYP3A4 in vitro and in vivo. <i>Clinical Pharmacology and Therapeutics</i> , 2012 , 91, 1044-52 | 6.1 | 108 |

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|-----|---|------|-----|
| 249 | Gene networks and transcription factor motifs defining the differentiation of stem cells into hepatocyte-like cells. <i>Journal of Hepatology</i> , 2015 , 63, 934-42 | 13.4 | 107 |
| 248 | The influence of CYP2B6, CYP2C9 and CYP2D6 genotypes on the formation of the potent antioestrogen Z-4-hydroxy-tamoxifen in human liver. <i>British Journal of Clinical Pharmacology</i> , 2002 , 54, 157-67 | 3.8 | 107 |
| 247 | Crucial Role of Vitamin D in the Musculoskeletal System. <i>Nutrients</i> , 2016 , 8, | 6.7 | 101 |
| 246 | A natural CYP2B6 TATA box polymorphism (-82T--> C) leading to enhanced transcription and relocation of the transcriptional start site. <i>Molecular Pharmacology</i> , 2005 , 67, 1772-82 | 4.3 | 98 |
| 245 | Curcumin alleviates ethanol-induced hepatocytes oxidative damage involving heme oxygenase-1 induction. <i>Journal of Ethnopharmacology</i> , 2010 , 128, 549-53 | 5 | 96 |
| 244 | Generation of human hepatocytes by stem cell technology: definition of the hepatocyte. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2005 , 1, 61-74 | 5.5 | 95 |
| 243 | Scaling down of a clinical three-dimensional perfusion multicompartiment hollow fiber liver bioreactor developed for extracorporeal liver support to an analytical scale device useful for hepatic pharmacological in vitro studies. <i>Tissue Engineering - Part C: Methods</i> , 2011 , 17, 549-56 | 2.9 | 94 |
| 242 | Expression and Detection of Inducible Nitric Oxide Synthase in Experimental Models of Inflammation. <i>Methods</i> , 1996 , 10, 51-60 | 4.6 | 83 |
| 241 | Hepatic 3D cultures but not 2D cultures preserve specific transporter activity for acetaminophen-induced hepatotoxicity. <i>Archives of Toxicology</i> , 2013 , 87, 1581-93 | 5.8 | 81 |
| 240 | Ischemic preconditioning protects from hepatic ischemia/reperfusion-injury by preservation of microcirculation and mitochondrial redox-state. <i>Journal of Hepatology</i> , 2003 , 38, 59-66 | 13.4 | 76 |
| 239 | High plasma levels of nitrogen oxides are associated with severe disease and correlate with rapid parasitological and clinical cure in Plasmodium falciparum malaria. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 1996 , 90, 44-7 | 2 | 76 |
| 238 | In vivo induction of the nitric oxide pathway in hepatocytes after injection with irradiated malaria sporozoites, malaria blood parasites or adjuvants. <i>European Journal of Immunology</i> , 1993 , 23, 882-7 | 6.1 | 76 |
| 237 | Toxicogenomics directory of chemically exposed human hepatocytes. <i>Archives of Toxicology</i> , 2014 , 88, 2261-87 | 5.8 | 74 |
| 236 | CD14 expression and production by human hepatocytes. <i>Journal of Hepatology</i> , 1999 , 31, 435-42 | 13.4 | 74 |
| 235 | Deoxynivalenol induced oxidative stress and genotoxicity in human peripheral blood lymphocytes. <i>Food and Chemical Toxicology</i> , 2014 , 64, 383-96 | 4.7 | 73 |
| 234 | Curcumin prevents chronic alcohol-induced liver disease involving decreasing ROS generation and enhancing antioxidative capacity. <i>Phytomedicine</i> , 2012 , 19, 545-50 | 6.5 | 72 |
| 233 | Fate of extrahepatic human stem and precursor cells after transplantation into mouse livers. <i>Hepatology</i> , 2007 , 46, 861-70 | 11.2 | 72 |
| 232 | Comparative analysis of phase I and II enzyme activities in 5 hepatic cell lines identifies Huh-7 and HCC-T cells with the highest potential to study drug metabolism. <i>Archives of Toxicology</i> , 2012 , 86, 87-95 | 5.8 | 71 |

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|-----|--|------|----|
| 231 | Fluorometric measurement of nitrite/nitrate by 2,3-diaminonaphthalene. <i>Nature Protocols</i> , 2006 , 1, 2223-2228 | 3.8 | 68 |
| 230 | Quercetin protects against ethanol-induced oxidative damage in rat primary hepatocytes. <i>Toxicology in Vitro</i> , 2010 , 24, 516-22 | 3.6 | 67 |
| 229 | A new technique for isolating and culturing human hepatocytes from whole or split livers not used for transplantation. <i>Cell Transplantation</i> , 1994 , 3, 387-95 | 4 | 67 |
| 228 | Human monocyte-derived neohepatocytes: a promising alternative to primary human hepatocytes for autologous cell therapy. <i>Transplantation</i> , 2005 , 79, 1097-103 | 1.8 | 66 |
| 227 | The role of polymorphonuclear leukocytes and oxygen-derived free radicals in experimental acute pancreatitis: mediators of local destruction and activators of inflammation. <i>FEBS Letters</i> , 1999 , 461, 268-72 | 3.8 | 66 |
| 226 | TGF- β as possible link between loss of bone mineral density and chronic inflammation. <i>PLoS ONE</i> , 2010 , 5, e14073 | 3.7 | 66 |
| 225 | Oxidized low-density lipoproteins bind to the scavenger receptor, CD36, of hepatic stellate cells and stimulate extracellular matrix synthesis. <i>Hepatology</i> , 2001 , 34, 729-37 | 11.2 | 65 |
| 224 | The dynamic locking screw (DLS) can increase interfragmentary motion on the near cortex of locked plating constructs by reducing the axial stiffness. <i>Langenbeck's Archives of Surgery</i> , 2010 , 395, 421-8 | 3.4 | 64 |
| 223 | Nitric oxide synthase expression is induced in hepatocytes in vivo during hepatic inflammation. <i>Journal of Surgical Research</i> , 1993 , 55, 427-32 | 2.5 | 63 |
| 222 | Genetic polymorphisms of glutathione S-transferase A1, the major glutathione S-transferase in human liver: consequences for enzyme expression and busulfan conjugation. <i>Clinical Pharmacology and Therapeutics</i> , 2002 , 71, 479-87 | 6.1 | 62 |
| 221 | Comparative analysis of mitogenic and morphogenic effects of HGF and EGF on rat and human hepatocytes maintained in collagen gels. <i>Journal of Cellular Physiology</i> , 1993 , 156, 443-52 | 7 | 62 |
| 220 | Featured Article: Isolation, characterization, and cultivation of human hepatocytes and non-parenchymal liver cells. <i>Experimental Biology and Medicine</i> , 2015 , 240, 645-56 | 3.7 | 60 |
| 219 | Analysis of drug metabolism activities in a miniaturized liver cell bioreactor for use in pharmacological studies. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 3172-81 | 4.9 | 60 |
| 218 | Further characterization and comparison of inducible nitric oxide synthase in mouse, rat, and human hepatocytes. <i>Hepatology</i> , 1995 , 21, 1552-1560 | 11.2 | 59 |
| 217 | Gene network activity in cultivated primary hepatocytes is highly similar to diseased mammalian liver tissue. <i>Archives of Toxicology</i> , 2016 , 90, 2513-29 | 5.8 | 57 |
| 216 | 5-azacytidine improves the osteogenic differentiation potential of aged human adipose-derived mesenchymal stem cells by DNA demethylation. <i>PLoS ONE</i> , 2014 , 9, e90846 | 3.7 | 56 |
| 215 | Deoxynivalenol, gut microbiota and immunotoxicity: A potential approach?. <i>Food and Chemical Toxicology</i> , 2018 , 112, 342-354 | 4.7 | 54 |
| 214 | Pregnane X receptor activation and silencing promote steatosis of human hepatic cells by distinct lipogenic mechanisms. <i>Archives of Toxicology</i> , 2015 , 89, 2089-103 | 5.8 | 53 |

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|-----|--|------|----|
| 213 | Heme oxygenase-1 mediates the protective role of quercetin against ethanol-induced rat hepatocytes oxidative damage. <i>Toxicology in Vitro</i> , 2012 , 26, 74-80 | 3.6 | 53 |
| 212 | Heme oxygenase-1 upregulated by Ginkgo biloba extract: potential protection against ethanol-induced oxidative liver damage. <i>Food and Chemical Toxicology</i> , 2007 , 45, 1333-42 | 4.7 | 53 |
| 211 | TNF inhibits malaria hepatic stages in vitro via synthesis of IL-6. <i>International Immunology</i> , 1991 , 3, 317-24. | 9 | 50 |
| 210 | The role of reactive nitrogen intermediates in modulation of gametocyte infectivity of rodent malaria parasites. <i>Parasite Immunology</i> , 1993 , 15, 21-6 | 2.2 | 49 |
| 209 | Extremely low frequency pulsed electromagnetic fields cause antioxidative defense mechanisms in human osteoblasts via induction of D and HO. <i>Scientific Reports</i> , 2017 , 7, 14544 | 4.9 | 47 |
| 208 | Inhibitory activity of IL-6 on malaria hepatic stages. <i>Parasite Immunology</i> , 1991 , 13, 211-7 | 2.2 | 47 |
| 207 | The protective role of HO-1 and its generated products (CO, bilirubin, and Fe) in ethanol-induced human hepatocyte damage. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 296, G1318-23 | 5.1 | 46 |
| 206 | Induction of active demethylation and 5hmC formation by 5-azacytidine is TET2 dependent and suggests new treatment strategies against hepatocellular carcinoma. <i>Clinical Epigenetics</i> , 2015 , 7, 98 | 7.7 | 45 |
| 205 | Current major degradation methods for aflatoxins: A review. <i>Trends in Food Science and Technology</i> , 2018 , 80, 155-166 | 15.3 | 45 |
| 204 | Ischemic preconditioning and methylprednisolone both equally reduce hepatic ischemia/reperfusion injury. <i>Surgery</i> , 2004 , 135, 203-14 | 3.6 | 45 |
| 203 | Influence of omeprazole on multidrug resistance protein 3 expression in human liver. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003 , 304, 524-30 | 4.7 | 45 |
| 202 | Effect of <i>Momordica grosvenori</i> on oxidative stress pathways in renal mitochondria of normal and alloxan-induced diabetic mice. Involvement of heme oxygenase-1. <i>European Journal of Nutrition</i> , 2007 , 46, 61-9 | 5.2 | 44 |
| 201 | In vitro differentiated adult human liver progenitor cells display mature hepatic metabolic functions: a potential tool for in vitro pharmacotoxicological testing. <i>Cell Transplantation</i> , 2011 , 20, 287-302 | 4 | 43 |
| 200 | Increased apoptosis induction in hepatocellular carcinoma by a novel tumor-targeted TRAIL fusion protein combined with bortezomib. <i>Hepatology</i> , 2013 , 57, 625-36 | 11.2 | 42 |
| 199 | Subcellular distribution of inorganic and methylated arsenic compounds in human urothelial cells and human hepatocytes. <i>Drug Metabolism and Disposition</i> , 2008 , 36, 971-9 | 4 | 42 |
| 198 | Contribution of nitric oxide to the protective effects of ischemic preconditioning in ischemia-reperused rat kidneys. <i>Translational Research</i> , 2001 , 138, 50-8 | | 42 |
| 197 | 3D Cultivation Techniques for Primary Human Hepatocytes. <i>Microarrays (Basel, Switzerland)</i> , 2015 , 4, 64-83 | | 40 |
| 196 | Serum-free culture of primary human hepatocytes in a miniaturized hollow-fibre membrane bioreactor for pharmacological in vitro studies. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, 1017-26 | 4.4 | 39 |

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| 195 | The possible use of stem cells in regenerative medicine: dream or reality?. <i>Langenbeck's Archives of Surgery</i> , 2009 , 394, 985-97 | 3.4 | 39 |
| 194 | Sex-specific differences in the expression levels of estrogen receptor subtypes in colorectal cancer. <i>Gender Medicine</i> , 2008 , 5, 209-17 | | 39 |
| 193 | Induction of apoptosis following blunt chest trauma. <i>Shock</i> , 2003 , 20, 511-6 | 3.4 | 39 |
| 192 | Nitric oxide in cerebral malaria. <i>Journal of Infectious Diseases</i> , 1994 , 169, 1417-8 | 7 | 39 |
| 191 | Exogenous, but not endogenous, nitric oxide increases proliferation rates in senescent human fibroblasts. <i>FEBS Letters</i> , 1997 , 410, 160-4 | 3.8 | 38 |
| 190 | Tracking of human cells in mice. <i>Histochemistry and Cell Biology</i> , 2008 , 130, 329-38 | 2.4 | 38 |
| 189 | Quercetin protects primary human osteoblasts exposed to cigarette smoke through activation of the antioxidative enzymes HO-1 and SOD-1. <i>Scientific World Journal, The</i> , 2011 , 11, 2348-57 | 2.2 | 37 |
| 188 | Regulation of CYP3A4 by pregnane X receptor: The role of nuclear receptors competing for response element binding. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 393, 688-93 | 3.4 | 37 |
| 187 | Factors circulating in the blood of type 2 diabetes mellitus patients affect osteoblast maturation - description of a novel in vitro model. <i>Experimental Cell Research</i> , 2015 , 332, 247-58 | 4.2 | 36 |
| 186 | Vitamin C enhances epigenetic modifications induced by 5-azacytidine and cell cycle arrest in the hepatocellular carcinoma cell lines HLE and Huh7. <i>Clinical Epigenetics</i> , 2016 , 8, 46 | 7.7 | 36 |
| 185 | Human hepatocytes: isolation, culture, and quality procedures. <i>Methods in Molecular Biology</i> , 2012 , 806, 99-120 | 1.4 | 34 |
| 184 | Human hepatocytes are protected from ethanol-induced cytotoxicity by DADS via CYP2E1 inhibition. <i>Toxicology Letters</i> , 2006 , 163, 242-9 | 4.4 | 34 |
| 183 | Modulation of endogenous nitric oxide synthase in experimental acute pancreatitis: role of anti-ICAM-1 and oxygen free radical scavengers. <i>Annals of Surgery</i> , 2001 , 233, 195-203 | 7.8 | 34 |
| 182 | Induction of nitric oxide synthase in subsets of murine pulmonary fibroblasts: effect on fibroblast interleukin-6 production. <i>Clinical Immunology and Immunopathology</i> , 1994 , 71, 231-9 | | 34 |
| 181 | Nicotine and Cotinine Inhibit Catalase and Glutathione Reductase Activity Contributing to the Impaired Osteogenesis of SCP-1 Cells Exposed to Cigarette Smoke. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 3172480 | 6.7 | 34 |
| 180 | Malnutrition - An underestimated factor in the inpatient treatment of traumatology and orthopedic patients: A prospective evaluation of 1055 patients. <i>Injury</i> , 2017 , 48, 628-636 | 2.5 | 33 |
| 179 | Endothelial differentiation of adipose-derived mesenchymal stem cells is improved by epigenetic modifying drug BIX-01294. <i>European Journal of Cell Biology</i> , 2013 , 92, 70-9 | 6.1 | 33 |
| 178 | Primary human osteoblasts with reduced alkaline phosphatase and matrix mineralization baseline capacity are responsive to extremely low frequency pulsed electromagnetic field exposure - Clinical implication possible. <i>Bone Reports</i> , 2015 , 3, 48-56 | 2.6 | 32 |

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|-----|---|-----|----|
| 177 | Hepatic phase of malaria is the target of cellular mechanisms induced by the previous and the subsequent stages. A crucial role for liver nonparenchymal cells. <i>Immunology Letters</i> , 1990 , 25, 65-70 | 4.1 | 32 |
| 176 | Mechanism of deoxynivalenol effects on the reproductive system and fetus malformation: Current status and future challenges. <i>Toxicology in Vitro</i> , 2017 , 41, 150-158 | 3.6 | 31 |
| 175 | Pharmacokinetics explain in vivo/in vitro discrepancies of carcinogen-induced gene expression alterations in rat liver and cultivated hepatocytes. <i>Archives of Toxicology</i> , 2013 , 87, 337-45 | 5.8 | 31 |
| 174 | A cohort of supporting metabolic enzymes is coinduced with nitric oxide synthase in human tumor cell lines. <i>Cancer Letters</i> , 1996 , 103, 79-84 | 9.9 | 31 |
| 173 | Tissue Engineering in Liver Regenerative Medicine: Insights into Novel Translational Technologies. <i>Cells</i> , 2020 , 9, | 7.9 | 31 |
| 172 | Increased oxidative stress in the RAW 264.7 macrophage cell line is partially mediated via the S-nitrosothiol-induced inhibition of glutathione reductase. <i>FEBS Letters</i> , 1999 , 445, 274-8 | 3.8 | 30 |
| 171 | Current sights for mechanisms of deoxynivalenol-induced hepatotoxicity and prospective views for future scientific research: A mini review. <i>Journal of Applied Toxicology</i> , 2017 , 37, 518-529 | 4.1 | 29 |
| 170 | Decrease of global methylation improves significantly hepatic differentiation of Ad-MSCs: possible future application for urea detoxification. <i>Cell Transplantation</i> , 2013 , 22, 119-31 | 4 | 29 |
| 169 | BMP9 a possible alternative drug for the recently withdrawn BMP7? New perspectives for (re-)implementation by personalized medicine. <i>Archives of Toxicology</i> , 2017 , 91, 1353-1366 | 5.8 | 28 |
| 168 | TGF- β impairs mechanosensation of human osteoblasts via HDAC6-mediated shortening and distortion of primary cilia. <i>Journal of Molecular Medicine</i> , 2017 , 95, 653-663 | 5.5 | 28 |
| 167 | Towards improved hepatocyte cultures: Progress and limitations. <i>Food and Chemical Toxicology</i> , 2020 , 138, 111188 | 4.7 | 28 |
| 166 | Inflammatory status and preerythrocytic stages of malaria: role of the C-reactive protein. <i>Experimental Parasitology</i> , 1991 , 72, 1-7 | 2.1 | 28 |
| 165 | Ginkgo biloba extract prevents ethanol induced dyslipidemia. <i>The American Journal of Chinese Medicine</i> , 2007 , 35, 643-52 | 6 | 27 |
| 164 | Intervertebral Disc Nucleus Repair: Hype or Hope?. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 26 |
| 163 | Green Tea Extract (GTE) improves differentiation in human osteoblasts during oxidative stress. <i>Journal of Inflammation</i> , 2014 , 11, 15 | 6.7 | 26 |
| 162 | Embryotoxicity Caused by DON-Induced Oxidative Stress Mediated by Nrf2/HO-1 Pathway. <i>Toxins</i> , 2017 , 9, | 4.9 | 26 |
| 161 | Quinocetone triggers oxidative stress and induces cytotoxicity and genotoxicity in human peripheral lymphocytes of both genders. <i>Journal of the Science of Food and Agriculture</i> , 2013 , 93, 1317-25 | 4.3 | 26 |
| 160 | IL-10 increases tissue injury after selective intestinal ischemia/reperfusion. <i>Annals of Surgery</i> , 2003 , 238, 49-58 | 7.8 | 26 |

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| 159 | Donor Site Location Is Critical for Proliferation, Stem Cell Capacity, and Osteogenic Differentiation of Adipose Mesenchymal Stem/Stromal Cells: Implications for Bone Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2018 , 19, | 6.3 | 25 |
| 158 | Oxidative damage after chronic ethanol intake in rat tissues: Prophylaxis of Ginkgo biloba extract. <i>Food Chemistry</i> , 2006 , 99, 305-314 | 8.5 | 25 |
| 157 | Cigarette Smoke Induces the Risk of Metabolic Bone Diseases: Transforming Growth Factor Beta Signaling Impairment via Dysfunctional Primary Cilia Affects Migration, Proliferation, and Differentiation of Human Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 24 |
| 156 | Chronic CCl4 intoxication causes liver and bone damage similar to the human pathology of hepatic osteodystrophy: a mouse model to analyse the liver-bone axis. <i>Archives of Toxicology</i> , 2014 , 88, 997-1006 | 5.8 | 24 |
| 155 | Subtoxic Concentrations of Hepatotoxic Drugs Lead to Kupffer Cell Activation in a Human In Vitro Liver Model: An Approach to Study DILI. <i>Mediators of Inflammation</i> , 2015 , 2015, 640631 | 4.3 | 24 |
| 154 | Remote tissue injury primes hepatocytes for nitric oxide synthesis. <i>Journal of Surgical Research</i> , 1994 , 57, 205-9 | 2.5 | 24 |
| 153 | Induction of heme oxygenase-1 in human hepatocytes to protect them from ethanol-induced cytotoxicity. <i>Biomedical and Environmental Sciences</i> , 2004 , 17, 315-26 | 1.1 | 24 |
| 152 | Human parenchymal and non-parenchymal liver cell isolation, culture and characterization. <i>Hepatology International</i> , 2013 , 7, 951-8 | 8.8 | 23 |
| 151 | The immune response after fracture trauma is different in old compared to young patients. <i>Immunity and Ageing</i> , 2014 , 11, 20 | 9.7 | 23 |
| 150 | Blood monocyte-derived neohepatocytes as in vitro test system for drug metabolism. <i>Drug Metabolism and Disposition</i> , 2008 , 36, 1922-9 | 4 | 23 |
| 149 | The role of anti-p53-autoantibodies in pancreatic disorders. <i>International Journal of Gastrointestinal Cancer</i> , 1996 , 19, 171-8 | | 23 |
| 148 | Prospective Views for Whey Protein and/or Resistance Training Against Age-related Sarcopenia 2019 , 10, 157-173 | | 23 |
| 147 | From the Clinical Problem to the Basic Research-Co-Culture Models of Osteoblasts and Osteoclasts. <i>International Journal of Molecular Sciences</i> , 2018 , 19, | 6.3 | 22 |
| 146 | Hyperinsulinemia reduces osteoblast activity in vitro via upregulation of TGF- β . <i>Journal of Molecular Medicine</i> , 2012 , 90, 1257-66 | 5.5 | 22 |
| 145 | Isolation and characterization of a human hepatic epithelial-like cell line (AKN-1) from a normal liver. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1999 , 35, 190-7 | 2.6 | 22 |
| 144 | Co-Culture with Human Osteoblasts and Exposure to Extremely Low Frequency Pulsed Electromagnetic Fields Improve Osteogenic Differentiation of Human Adipose-Derived Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2018 , 19, | 6.3 | 21 |
| 143 | Green tea protects human osteoblasts from cigarette smoke-induced injury: possible clinical implication. <i>Langenbeck's Archives of Surgery</i> , 2012 , 397, 467-74 | 3.4 | 21 |
| 142 | Gender and geographical variability in the exposure pattern and metabolism of deoxynivalenol in humans: a review. <i>Journal of Applied Toxicology</i> , 2017 , 37, 60-70 | 4.1 | 21 |

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| 141 | A systems biology approach to dynamic modeling and inter-subject variability of statin pharmacokinetics in human hepatocytes. <i>BMC Systems Biology</i> , 2011 , 5, 66 | 3.5 | 21 |
| 140 | Heme oxygenase-1 protects human hepatocytes in vitro against warm and cold hypoxia. <i>Journal of Hepatology</i> , 2004 , 41, 764-72 | 13.4 | 21 |
| 139 | Age-dependent effect of plasma nitric oxide on parasite density in Ghanaian children with severe malaria. <i>Tropical Medicine and International Health</i> , 2005 , 10, 672-80 | 2.3 | 21 |
| 138 | Review of mechanisms of deoxynivalenol-induced anorexia: The role of gut microbiota. <i>Journal of Applied Toxicology</i> , 2017 , 37, 1021-1029 | 4.1 | 20 |
| 137 | Resveratrol protects primary cilia integrity of human mesenchymal stem cells from cigarette smoke to improve osteogenic differentiation in vitro. <i>Archives of Toxicology</i> , 2018 , 92, 1525-1538 | 5.8 | 20 |
| 136 | Protective role of HO-1 for alcohol-dependent liver damage. <i>Digestive Diseases</i> , 2010 , 28, 792-8 | 3.2 | 20 |
| 135 | Transplantation of monocyte-derived hepatocyte-like cells (NeoHeps) improves survival in a model of acute liver failure. <i>Annals of Surgery</i> , 2009 , 249, 149-54 | 7.8 | 20 |
| 134 | A natural sweetener, <i>Momordica grosvenori</i> , attenuates the imbalance of cellular immune functions in alloxan-induced diabetic mice. <i>Phytotherapy Research</i> , 2006 , 20, 552-60 | 6.7 | 20 |
| 133 | A new antioxidative vitamin B6 analogue modulates pathophysiological cell proliferation and damage. <i>Bioorganic and Medicinal Chemistry</i> , 1999 , 7, 359-67 | 3.4 | 20 |
| 132 | Carboxymefloquine, the major metabolite of the antimalarial drug mefloquine, induces drug-metabolizing enzyme and transporter expression by activation of pregnane X receptor. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 96-104 | 5.9 | 19 |
| 131 | Discriminative quantification of cytochrome P4502D6 and 2D7/8 pseudogene expression by TaqMan real-time reverse transcriptase polymerase chain reaction. <i>Analytical Biochemistry</i> , 2002 , 300, 121-31 | 3.1 | 19 |
| 130 | Effects of hepatocellular iron imbalance on nitric oxide and reactive oxygen intermediates production in a model of sepsis. <i>Journal of Hepatology</i> , 2000 , 33, 387-94 | 13.4 | 19 |
| 129 | Effects of hepatocellular mitogens on cytokine-induced nitric oxide synthesis in human hepatocytes. <i>Journal of Leukocyte Biology</i> , 1996 , 60, 382-8 | 6.5 | 19 |
| 128 | Long-term culture of primary hepatocytes: new matrices and microfluidic devices. <i>Hepatology International</i> , 2014 , 8, 14-22 | 8.8 | 18 |
| 127 | Intraabdominal bacterial infections significantly alter regeneration and function of the liver in a rat model of major hepatectomy. <i>Langenbeck's Archives of Surgery</i> , 2007 , 392, 273-84 | 3.4 | 18 |
| 126 | Measuring end products of nitric oxide in vivo. <i>Methods in Enzymology</i> , 2002 , 359, 75-83 | 1.7 | 18 |
| 125 | Early posttraumatic increase in production of nitric oxide in humans. <i>Shock</i> , 1998 , 10, 237-42 | 3.4 | 18 |
| 124 | Human hepatocytes are more resistant than rat hepatocytes to Anoxia-reoxygenation injury. <i>Hepatology</i> , 1994 , 20, 1247-1254 | 11.2 | 18 |

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|-----|---|------|----|
| 123 | Epigenetic Modifications of the Liver Tumor Cell Line HepG2 Increase Their Drug Metabolic Capacity. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 17 |
| 122 | Biotransformation of diclofenac and effects on the metabolome of primary human hepatocytes upon repeated dose exposure. <i>European Journal of Pharmaceutical Sciences</i> , 2012 , 45, 716-24 | 5.1 | 17 |
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