

Manlio Vinciguerra

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

180
papers

6,280
citations

45
h-index

72
g-index

210
ext. papers

7,488
ext. citations

6.2
avg, IF

5.77
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 180 | Histone Variant macroH2A1.1 Enhances Nonhomologous End Joining-dependent DNA Double-strand-break Repair and Reprogramming Efficiency of Human iPSCs.. <i>Stem Cells</i> , 2022 , 40, 35-48 | 5.8 | 0 |
| 179 | ITCH E3 Ubiquitin Ligase downregulation compromises hepatic degradation of branched-chain amino acids.. <i>Molecular Metabolism</i> , 2022 , 101454 | 8.8 | 0 |
| 178 | The costs and benefits of senotherapeutics for human health. <i>The Lancet Healthy Longevity</i> , 2022 , 3, e67-e77 | 9.5 | 2 |
| 177 | Epigenetic remodelling in human hepatocellular carcinoma.. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022 , 41, 107 | 12.8 | 4 |
| 176 | Nociceptin/orphanin FQ opioid receptor (NOP) selective ligand MCOPPB links anxiolytic and senolytic effects. <i>GeroScience</i> , 2021 , 1 | 8.9 | 3 |
| 175 | Focal adhesion kinase inhibitor TAE226 combined with Sorafenib slows down hepatocellular carcinoma by multiple epigenetic effects. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021 , 40, 364 | 12.8 | 3 |
| 174 | Fasting-mimicking diet prevents high-fat diet effect on cardiometabolic risk and lifespan. <i>Nature Metabolism</i> , 2021 , 3, 1342-1356 | 14.6 | 9 |
| 173 | Pediatric Non-Alcoholic Fatty Liver Disease Is Affected by Genetic Variants Involved in Lifespan/Healthspan. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2021 , 73, 161-168 | 2.8 | 1 |
| 172 | Cardio- and Neurometabolic Adipobiology: Consequences and Implications for Therapy. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 7 |
| 171 | Ceramide Scores Predict Cardiovascular Risk in the Community. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 1558-1569 | 9.4 | 7 |
| 170 | Mild exacerbation of obesity- and age-dependent liver disease progression by senolytic cocktail dasatinib + quercetin. <i>Cell Communication and Signaling</i> , 2021 , 19, 44 | 7.5 | 13 |
| 169 | GDF11 rapidly increases lipid accumulation in liver cancer cells through ALK5-dependent signaling. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021 , 1866, 158920 | 5 | 2 |
| 168 | Systemic depletion of histone macroH2A1.1 boosts hippocampal synaptic plasticity and social behavior in mice. <i>FASEB Journal</i> , 2021 , 35, e21793 | 0.9 | 3 |
| 167 | Redox and Epigenetics in Human Pluripotent Stem Cells Differentiation. <i>Antioxidants and Redox Signaling</i> , 2021 , 34, 335-349 | 8.4 | 6 |
| 166 | Sex-dependent monoamine oxidase isoforms expression patterns during human brain ageing. <i>Mechanisms of Ageing and Development</i> , 2021 , 197, 111516 | 5.6 | 0 |
| 165 | The inherent challenges of classifying senescence-Response. <i>Science</i> , 2020 , 368, 595-596 | 33.3 | 3 |
| 164 | The Effects of Meal Timing and Frequency, Caloric Restriction, and Fasting on Cardiovascular Health: an Overview. <i>Journal of Lipid and Atherosclerosis</i> , 2020 , 9, 140-152 | 3 | 6 |

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| 163 | The association of social and behavioral factors with dietary risks in adults: Evidence from the KardioVize Brno 2030 study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020 , 30, 896-906 | 4.5 | 9 |
| 162 | Loss of macroH2A1 decreases mitochondrial metabolism and reduces the aggressiveness of uveal melanoma cells. <i>Aging</i> , 2020 , 12, 9745-9760 | 5.6 | 8 |
| 161 | Senescence-like phenotype in post-mitotic cells of mice entering middle age. <i>Aging</i> , 2020 , 12, 13979-13990 | 5.6 | 9 |
| 160 | GDF11 induces mild hepatic fibrosis independent of metabolic health. <i>Aging</i> , 2020 , 12, 20024-20046 | 5.6 | 6 |
| 159 | The Circadian Clock, the Immune System, and Viral Infections: The Intricate Relationship Between Biological Time and Host-Virus Interaction. <i>Pathogens</i> , 2020 , 9, | 4.5 | 27 |
| 158 | Cardiovascular Diseases in Central and Eastern Europe: A Call for More Surveillance and Evidence-Based Health Promotion. <i>Annals of Global Health</i> , 2020 , 86, 21 | 3.3 | 22 |
| 157 | Loss of histone macroH2A1 in hepatocellular carcinoma cells promotes paracrine-mediated chemoresistance and CD4CD25FoxP3 regulatory T cells activation. <i>Theranostics</i> , 2020 , 10, 910-924 | 12.1 | 20 |
| 156 | Candidate rejuvenating factor GDF11 and tissue fibrosis: friend or foe?. <i>GeroScience</i> , 2020 , 42, 1475-1498 | 8.9 | 5 |
| 155 | A Lipidomic Signature Complements Stemness Features Acquisition in Liver Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 4 |
| 154 | Is Drinking Alcohol Really Linked to Cardiovascular Health? Evidence from the KardioVize 2030 Project. <i>Nutrients</i> , 2020 , 12, | 6.7 | 5 |
| 153 | Circulating histone signature of human lean metabolic-associated fatty liver disease (MAFLD). <i>Clinical Epigenetics</i> , 2020 , 12, 126 | 7.7 | 7 |
| 152 | Prevalence of ideal cardiovascular health in a Central European community: results from the KardioVize Brno 2030 Project. <i>European Journal of Preventive Cardiology</i> , 2020 , 27, 441-443 | 3.9 | 7 |
| 151 | Maternal Perinatal Nutrition and Offspring Programming 2020 , 121-127 | | 1 |
| 150 | Determinants of Metabolic Health Across Body Mass Index Categories in Central Europe: A Comparison Between Swiss and Czech Populations. <i>Frontiers in Public Health</i> , 2020 , 8, 108 | 6 | 5 |
| 149 | Isolation of senescent cells by iodixanol (OptiPrep) density gradient-based separation. <i>Cell Proliferation</i> , 2019 , 52, e12674 | 7.9 | 9 |
| 148 | Deficiency and haploinsufficiency of histone macroH2A1.1 in mice recapitulate hematopoietic defects of human myelodysplastic syndrome. <i>Clinical Epigenetics</i> , 2019 , 11, 121 | 7.7 | 13 |
| 147 | The association of resistance training with mortality: A systematic review and meta-analysis. <i>European Journal of Preventive Cardiology</i> , 2019 , 26, 1647-1665 | 3.9 | 58 |
| 146 | Macro Histone Variants: Emerging Rheostats of Gastrointestinal Cancers. <i>Cancers</i> , 2019 , 11, | 6.6 | 13 |

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| 145 | Independent Effects of Hypertension and Obesity on Left Ventricular Mass and Geometry: Evidence from the Cardiovision 2030 Study. <i>Journal of Clinical Medicine</i> , 2019 , 8, | 5.1 | 10 |
| 144 | Catalyzing Transcriptomics Research in Cardiovascular Disease: The CardioRNA COST Action CA17129. <i>Non-coding RNA</i> , 2019 , 5, | 7.1 | 7 |
| 143 | Dog Ownership and Cardiovascular Health: Results From the Kardiovize 2030 Project. <i>Mayo Clinic Proceedings Innovations, Quality & Outcomes</i> , 2019 , 3, 268-275 | 3.1 | 8 |
| 142 | Immunoexpression of Macroh2a in Uveal Melanoma. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3244 | 2.6 | 6 |
| 141 | Inhibition of dipeptidyl peptidase 4 (DPP4) activates immune cells chemotaxis in hepatocellular carcinoma 2019 , 2, 1-3 | | 2 |
| 140 | To help aging populations, classify organismal senescence. <i>Science</i> , 2019 , 366, 576-578 | 33.3 | 24 |
| 139 | A Role for the Biological Clock in Liver Cancer. <i>Cancers</i> , 2019 , 11, | 6.6 | 9 |
| 138 | Senescence Induced by DNA Demethylating Drugs to Treat Solid Tumors 2019 , 2709-2737 | | |
| 137 | Obesity-induced nucleosome release predicts poor cardio-metabolic health. <i>Clinical Epigenetics</i> , 2019 , 12, 2 | 7.7 | 9 |
| 136 | How dietary patterns affect left ventricular structure, function and remodelling: Evidence from the Kardiovize Brno 2030 study. <i>Scientific Reports</i> , 2019 , 9, 19154 | 4.9 | 12 |
| 135 | Dietary antioxidant intake decreases carotid intima media thickness in women but not in men: A cross-sectional assessment in the Kardiovize study. <i>Free Radical Biology and Medicine</i> , 2019 , 131, 274-287 | 7.8 | 20 |
| 134 | Smart devices and healthy aging. <i>Nutrition and Healthy Aging</i> , 2019 , 5, 13-19 | 1.3 | 2 |
| 133 | Association between eating time interval and frequency with ideal cardiovascular health: Results from a random sample Czech urban population. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2018 , 28, 847-855 | 4.5 | 34 |
| 132 | Protein-Rich or Amino-Acid Only Diets Entrain the Liver Clock: Time to Scrap Insulin?. <i>EBioMedicine</i> , 2018 , 28, 9-10 | 8.8 | |
| 131 | Fasting inhibits hepatic stellate cells activation and potentiates anti-cancer activity of Sorafenib in hepatocellular cancer cells. <i>Journal of Cellular Physiology</i> , 2018 , 233, 1202-1212 | 7 | 28 |
| 130 | Induction of cancer cell stemness by depletion of macrohistone H2A1 in hepatocellular carcinoma. <i>Hepatology</i> , 2018 , 67, 636-650 | 11.2 | 46 |
| 129 | Association of Dietary Patterns with Metabolic Syndrome: Results from the Kardiovize Brno 2030 Study. <i>Nutrients</i> , 2018 , 10, | 6.7 | 50 |
| 128 | Curcumin Modulates DNA Methyltransferase Functions in a Cellular Model of Diabetic Retinopathy. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 5407482 | 6.7 | 52 |

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| 127 | Association of Cardiovascular Health with Epicardial Adipose Tissue and Intima Media Thickness: The Kardiovize Study. <i>Journal of Clinical Medicine</i> , 2018 , 7, | 5.1 | 18 |
| 126 | Senescence Induced by DNA Demethylating Drugs to Treat Solid Tumors 2018 , 1-30 | | |
| 125 | Kardiovize Brno 2030, a prospective cardiovascular health study in Central Europe: Methods, baseline findings and future directions. <i>European Journal of Preventive Cardiology</i> , 2018 , 25, 54-64 | 3.9 | 27 |
| 124 | Mono-ADP-Ribosylhydrolase MACROD2 Is Dispensable for Murine Responses to Metabolic and Genotoxic Insults. <i>Frontiers in Genetics</i> , 2018 , 9, 654 | 4.5 | 4 |
| 123 | Senolytic Cocktail Dasatinib+Quercetin (D+Q) Does Not Enhance the Efficacy of Senescence-Inducing Chemotherapy in Liver Cancer. <i>Frontiers in Oncology</i> , 2018 , 8, 459 | 5.3 | 46 |
| 122 | Sleep Duration and Excessive Daytime Sleepiness Are Associated with Obesity Independent of Diet and Physical Activity. <i>Nutrients</i> , 2018 , 10, | 6.7 | 28 |
| 121 | Histone variant macroH2A1 rewires carbohydrate and lipid metabolism of hepatocellular carcinoma cells towards cancer stem cells. <i>Epigenetics</i> , 2018 , 13, 829-845 | 5.7 | 28 |
| 120 | Hepatic rhythmicity of endoplasmic reticulum stress is disrupted in perinatal and adult mice models of high-fat diet-induced obesity. <i>International Journal of Food Sciences and Nutrition</i> , 2017 , 68, 455-466 | 3.7 | 22 |
| 119 | Alterations of Clock Gene RNA Expression in Brain Regions of a Triple Transgenic Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017 , 59, 615-631 | 4.3 | 45 |
| 118 | Fasting regulates EGR1 and protects from glucose- and dexamethasone-dependent sensitization to chemotherapy. <i>PLoS Biology</i> , 2017 , 15, e2001951 | 9.7 | 26 |
| 117 | Viva Europa, a Land of Excellence in Research and Innovation for Health and Wellbeing. <i>Progress in Preventive Medicine (New York, N Y)</i> , 2017 , 2, e006 | 0.7 | 5 |
| 116 | Senescence in hepatic stellate cells as a mechanism of liver fibrosis reversal: a putative synergy between retinoic acid and PPAR-gamma signalings. <i>Clinical and Experimental Medicine</i> , 2017 , 17, 269-280 | 4.9 | 55 |
| 115 | Developmental Programming of Obesity and Liver Metabolism by Maternal Perinatal Nutrition Involves the Melanocortin System. <i>Nutrients</i> , 2017 , 9, | 6.7 | 10 |
| 114 | Histone MacroH2A1: A Chromatin Point of Intersection between Fasting, Senescence and Cellular Regeneration. <i>Genes</i> , 2017 , 8, | 4.2 | 19 |
| 113 | Gut Dysbiosis and Adaptive Immune Response in Diet-induced Obesity vs. Systemic Inflammation. <i>Frontiers in Microbiology</i> , 2017 , 8, 1157 | 5.7 | 38 |
| 112 | Commentary: Fasting-Mimicking Diet Reduces HO-1 to Promote T Cell-Mediated Tumor Cytotoxicity. <i>Frontiers in Oncology</i> , 2017 , 7, 116 | 5.3 | |
| 111 | Management strategies for hepatocellular carcinoma: old certainties and new realities. <i>Clinical and Experimental Medicine</i> , 2016 , 16, 243-56 | 4.9 | 23 |
| 110 | Efficacy and epigenetic interactions of novel DNA hypomethylating agent guadecitabine (SGI-110) in preclinical models of hepatocellular carcinoma. <i>Epigenetics</i> , 2016 , 11, 709-720 | 5.7 | 46 |

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| 109 | Interplay between transglutaminases and heparan sulphate in progressive renal scarring. <i>Scientific Reports</i> , 2016 , 6, 31343 | 4.9 | 11 |
| 108 | Histone macroH2A1.2 promotes metabolic health and leanness by inhibiting adipogenesis. <i>Epigenetics and Chromatin</i> , 2016 , 9, 45 | 5.8 | 24 |
| 107 | Deregulated expression of cryptochrome genes in human colorectal cancer. <i>Molecular Cancer</i> , 2016 , 15, 6 | 42.1 | 20 |
| 106 | DNA Hypomethylation and Histone Variant macroH2A1 Synergistically Attenuate Chemotherapy-Induced Senescence to Promote Hepatocellular Carcinoma Progression. <i>Cancer Research</i> , 2016 , 76, 594-606 | 10.1 | 58 |
| 105 | Clock gene expression in human and mouse hepatic models shows similar periodicity but different dynamics of variation. <i>Chronobiology International</i> , 2016 , 33, 181-90 | 3.6 | 6 |
| 104 | A Timeless Link Between Circadian Patterns and Disease. <i>Trends in Molecular Medicine</i> , 2016 , 22, 68-81 | 11.5 | 30 |
| 103 | The association of variants in PNPLA3 and GRP78 and the risk of developing hepatocellular carcinoma in an Italian population. <i>Oncotarget</i> , 2016 , 7, 86791-86802 | 3.3 | 12 |
| 102 | Biology, Epidemiology, Clinical Aspects of Hepatocellular Carcinoma and the Role of Sorafenib. <i>Current Drug Targets</i> , 2016 , 17, 783-99 | 3 | 38 |
| 101 | Aryl hydrocarbon receptor-fibroblast growth factor 21 dissociation of fatty liver from insulin resistance: A timely matter?. <i>Hepatology</i> , 2016 , 63, 1396-7 | 11.2 | 2 |
| 100 | Acetylcholine induces fibrogenic effects via M2/M3 acetylcholine receptors in non-alcoholic steatohepatitis and in primary human hepatic stellate cells. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2016 , 31, 475-83 | 4 | 9 |
| 99 | Maternal obesity alters endoplasmic reticulum homeostasis in offspring pancreas. <i>Journal of Physiology and Biochemistry</i> , 2016 , 72, 281-91 | 5 | 18 |
| 98 | Lipid droplets hypertrophy: a crucial determining factor in insulin regulation by adipocytes. <i>Scientific Reports</i> , 2015 , 5, 8816 | 4.9 | 19 |
| 97 | A Periodic Diet that Mimics Fasting Promotes Multi-System Regeneration, Enhanced Cognitive Performance, and Healthspan. <i>Cell Metabolism</i> , 2015 , 22, 86-99 | 24.6 | 418 |
| 96 | Low fruit consumption and folate deficiency are associated with LINE-1 hypomethylation in women of a cancer-free population. <i>Genes and Nutrition</i> , 2015 , 10, 480 | 4.3 | 62 |
| 95 | SIRT1 and circadian gene expression in pancreatic ductal adenocarcinoma: Effect of starvation. <i>Chronobiology International</i> , 2015 , 32, 497-512 | 3.6 | 17 |
| 94 | Maternal obesity programs offspring non-alcoholic fatty liver disease through disruption of 24-h rhythms in mice. <i>International Journal of Obesity</i> , 2015 , 39, 1339-48 | 5.5 | 39 |
| 93 | Genetic ablation of macrohistone H2A1 leads to increased leanness, glucose tolerance and energy expenditure in mice fed a high-fat diet. <i>International Journal of Obesity</i> , 2015 , 39, 331-8 | 5.5 | 19 |
| 92 | MicroRNA-30 mediates anti-inflammatory effects of shear stress and KLF2 via repression of angiopoietin 2. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 88, 111-9 | 5.8 | 39 |

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|----|--|------|-----|
| 91 | Nitric oxide as a protector from nonalcoholic fatty liver disease. <i>Hepatology</i> , 2015 , 61, 2115-6 | 11.2 | 1 |
| 90 | Interventions to Slow Aging in Humans: Are We Ready?. <i>Aging Cell</i> , 2015 , 14, 497-510 | 9.9 | 373 |
| 89 | Zeolite Nanoparticles for Selective Sorption of Plasma Proteins. <i>Scientific Reports</i> , 2015 , 5, 17259 | 4.9 | 34 |
| 88 | Amphiregulin activates human hepatic stellate cells and is upregulated in non alcoholic steatohepatitis. <i>Scientific Reports</i> , 2015 , 5, 8812 | 4.9 | 27 |
| 87 | DAPK1 Promoter Methylation and Cervical Cancer Risk: A Systematic Review and a Meta-Analysis. <i>PLoS ONE</i> , 2015 , 10, e0135078 | 3.7 | 24 |
| 86 | MacroH2A1 isoforms are associated with epigenetic markers for activation of lipogenic genes in fat-induced steatosis. <i>FASEB Journal</i> , 2015 , 29, 1676-87 | 0.9 | 28 |
| 85 | Protein intake, chronic liver diseases, and hepatocellular carcinoma. <i>Hepatology</i> , 2015 , 61, 730 | 11.2 | 4 |
| 84 | Functional Impact of Autophagy-Related Genes on the Homeostasis and Dynamics of Pancreatic Cancer Cell Lines. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2015 , 12, 667-78 | 3 | 6 |
| 83 | The biological clock and the molecular basis of lysosomal storage diseases. <i>JIMD Reports</i> , 2015 , 18, 93-105 | 10.9 | 5 |
| 82 | Fasting cycles potentiate the efficacy of gemcitabine treatment in in vitro and in vivo pancreatic cancer models. <i>Oncotarget</i> , 2015 , 6, 18545-57 | 3.3 | 50 |
| 81 | Age-related obesity and type 2 diabetes dysregulate neuronal associated genes and proteins in humans. <i>Oncotarget</i> , 2015 , 6, 29818-32 | 3.3 | 9 |
| 80 | The circadian clock and the hypoxic response pathway in kidney cancer. <i>Tumor Biology</i> , 2014 , 35, 1-7 | 2.9 | 21 |
| 79 | Caloric restriction and aging stem cells: the stick and the carrot?. <i>Experimental Gerontology</i> , 2014 , 50, 137-48 | 4.5 | 21 |
| 78 | A ticking clock links metabolic pathways and organ systems function in health and disease. <i>Clinical and Experimental Medicine</i> , 2014 , 14, 133-40 | 4.9 | 14 |
| 77 | Non-alcoholic fatty liver disease: the role of nuclear receptors and circadian rhythmicity. <i>Liver International</i> , 2014 , 34, 1133-52 | 7.9 | 47 |
| 76 | Histone variants and lipid metabolism. <i>Biochemical Society Transactions</i> , 2014 , 42, 1409-13 | 5.1 | 12 |
| 75 | Peroxisome proliferator-activated receptor β mediated induction of microRNA-145 opposes tumor phenotype in colorectal cancer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 1225-36 | 4.9 | 22 |
| 74 | Non-alcoholic fatty pancreas disease pathogenesis: a role for developmental programming and altered circadian rhythms. <i>PLoS ONE</i> , 2014 , 9, e89505 | 3.7 | 29 |

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|----|--|------|-----|
| 73 | LINE-1 hypomethylation in blood and tissue samples as an epigenetic marker for cancer risk: a systematic review and meta-analysis. <i>PLoS ONE</i> , 2014 , 9, e109478 | 3.7 | 101 |
| 72 | Effects of hypercapnia on peripheral vascular reactivity in elderly patients with acute exacerbation of chronic obstructive pulmonary disease. <i>Clinical Interventions in Aging</i> , 2014 , 9, 871-8 | 4 | 11 |
| 71 | SIRT1-metabolite binding histone macroH2A1.1 protects hepatocytes against lipid accumulation. <i>Aging</i> , 2014 , 6, 35-47 | 5.6 | 43 |
| 70 | An association study between epicardial fat thickness and cognitive impairment in the elderly. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 307, H1269-76 | 5.2 | 13 |
| 69 | The TRPA1 channel is a cardiac target of mIGF-1/SIRT1 signaling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 307, H939-44 | 5.2 | 12 |
| 68 | Normalization of a NAFLD gene expression signature. <i>Hepatology</i> , 2014 , 60, 1445 | 11.2 | 2 |
| 67 | Modeling interactions between Human Equilibrative Nucleoside Transporter-1 and other factors involved in the response to gemcitabine treatment to predict clinical outcomes in pancreatic ductal adenocarcinoma patients. <i>Journal of Translational Medicine</i> , 2014 , 12, 248 | 8.5 | 9 |
| 66 | Increased hepatic CD36 expression with age is associated with enhanced susceptibility to nonalcoholic fatty liver disease. <i>Aging</i> , 2014 , 6, 281-95 | 5.6 | 64 |
| 65 | Cardio-hepatic metabolic derangements and valproic acid. <i>Current Clinical Pharmacology</i> , 2014 , 9, 165-70. | 2.5 | 5 |
| 64 | Circadian clock circuitry in colorectal cancer. <i>World Journal of Gastroenterology</i> , 2014 , 20, 4197-207 | 5.6 | 32 |
| 63 | Anti-correlation between longevity gene SirT1 and Notch signaling in ascending aorta biopsies from patients with bicuspid aortic valve disease. <i>Heart and Vessels</i> , 2013 , 28, 268-75 | 2.1 | 24 |
| 62 | Advance in molecular diagnostic tools for hepatitis B virus detection. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013 , 51, 1707-17 | 5.9 | 2 |
| 61 | Hepatitis delta virus induces specific DNA methylation processes in Huh-7 liver cancer cells. <i>FEBS Letters</i> , 2013 , 587, 1424-8 | 3.8 | 21 |
| 60 | Aging signaling pathways and circadian clock-dependent metabolic derangements. <i>Trends in Endocrinology and Metabolism</i> , 2013 , 24, 229-37 | 8.8 | 48 |
| 59 | Molecular bases of circadian rhythmicity in renal physiology and pathology. <i>Nephrology Dialysis Transplantation</i> , 2013 , 28, 2421-31 | 4.3 | 29 |
| 58 | Affinity analysis of differentially expressed genes in hepatocytes expressing HCV core genotype 1b or 3a. <i>BioSystems</i> , 2013 , 114, 64-8 | 1.9 | 2 |
| 57 | The circadian clock circuitry and the AHR signaling pathway in physiology and pathology. <i>Biochemical Pharmacology</i> , 2013 , 85, 1405-16 | 6 | 41 |
| 56 | Interplay between SOX9, E-cadherin and PPAR δ activation in colorectal cancer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 1853-65 | 4.9 | 33 |

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|----|---|------|-----|
| 55 | Fibroblast growth factor 21 protects against cardiac hypertrophy in mice. <i>Nature Communications</i> , 2013 , 4, 2019 | 17.4 | 224 |
| 54 | Liver diseases and aging: friends or foes?. <i>Aging Cell</i> , 2013 , 12, 950-4 | 9.9 | 133 |
| 53 | Circadian transcriptome analysis in human fibroblasts from Hunter syndrome and impact of iduronate-2-sulfatase treatment. <i>BMC Medical Genomics</i> , 2013 , 6, 37 | 3.7 | 14 |
| 52 | Targeting chromatin remodelers to treat hepatocellular carcinoma. <i>Hepatology</i> , 2013 , 57, 1287 | 11.2 | |
| 51 | Old age and steatohepatitis: a dangerous liaison?. <i>Hepatology</i> , 2013 , 58, 830-1 | 11.2 | 1 |
| 50 | Immunopositivity for histone macroH2A1 isoforms marks steatosis-associated hepatocellular carcinoma. <i>PLoS ONE</i> , 2013 , 8, e54458 | 3.7 | 52 |
| 49 | Mutual antagonism between circadian protein period 2 and hepatitis C virus replication in hepatocytes. <i>PLoS ONE</i> , 2013 , 8, e60527 | 3.7 | 31 |
| 48 | Redox homeostasis and epigenetics in non-alcoholic fatty liver disease (NAFLD). <i>Current Pharmaceutical Design</i> , 2013 , 19, 2737-46 | 3.3 | 73 |
| 47 | Sympathetic nervous system catecholamines and neuropeptide Y neurotransmitters are upregulated in human NAFLD and modulate the fibrogenic function of hepatic stellate cells. <i>PLoS ONE</i> , 2013 , 8, e72928 | 3.7 | 51 |
| 46 | Exploitation of host clock gene machinery by hepatitis viruses B and C. <i>World Journal of Gastroenterology</i> , 2013 , 19, 8902-9 | 5.6 | 9 |
| 45 | ARNTL2 and SERPINE1: potential biomarkers for tumor aggressiveness in colorectal cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2012 , 138, 501-11 | 4.9 | 80 |
| 44 | Dilated cardiomyopathy and mitochondrial dysfunction in Sirt1-deficient mice: a role for Sirt1-Mef2 in adult heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 53, 521-31 | 5.8 | 60 |
| 43 | Chronic mTOR inhibition by rapamycin induces muscle insulin resistance despite weight loss in rats. <i>British Journal of Pharmacology</i> , 2012 , 165, 2325-40 | 8.6 | 118 |
| 42 | Clock genes and clock-controlled genes in the regulation of metabolic rhythms. <i>Chronobiology International</i> , 2012 , 29, 227-51 | 3.6 | 118 |
| 41 | SIRT1 signaling as potential modulator of skeletal muscle diseases. <i>Current Opinion in Pharmacology</i> , 2012 , 12, 372-6 | 5.1 | 34 |
| 40 | Editorial [Hot Topic: Paracrine Mechanisms, Signaling and Epigenetics in Repairing Damaged Tissue]. <i>Recent Patents on Regenerative Medicine</i> , 2012 , 3, 1-4 | | |
| 39 | Growth factors, nutrient signaling, and cardiovascular aging. <i>Circulation Research</i> , 2012 , 110, 1139-50 | 15.7 | 62 |
| 38 | DNA methyltransferases 1 and 3b expression in Huh-7 cells expressing HCV core protein of different genotypes. <i>Digestive Diseases and Sciences</i> , 2012 , 57, 1598-603 | 4 | 47 |

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|----|---|------|-----|
| 37 | mIGF-1/JNK1/Sirt1 signaling confers protection against oxidative stress in the heart. <i>Aging Cell</i> , 2012 , 11, 139-49 | 9.9 | 97 |
| 36 | PPARs Signaling and Cancer in the Gastrointestinal System. <i>PPAR Research</i> , 2012 , 2012, 560846 | 4.3 | 20 |
| 35 | SIRT1 and the clock gene machinery in colorectal cancer. <i>Cancer Investigation</i> , 2012 , 30, 98-105 | 2.1 | 13 |
| 34 | Correlations among PPAR γ DNMT1, and DNMT3B Expression Levels and Pancreatic Cancer. <i>PPAR Research</i> , 2012 , 2012, 461784 | 4.3 | 12 |
| 33 | Differential patterns in the periodicity and dynamics of clock gene expression in mouse liver and stomach. <i>Chronobiology International</i> , 2012 , 29, 1300-11 | 3.6 | 17 |
| 32 | Cardioprotective mIGF-1/SIRT1 signaling induces hypertension, leukocytosis and fear response in mice. <i>Aging</i> , 2012 , 4, 402-16 | 5.6 | 18 |
| 31 | Cardiac Versus Non-Cardiac Stem Cells to Repair the Heart: The Role of Autocrine/Paracrine Signals 2012 , 367-382 | | |
| 30 | REV-ERB α and the clock gene machinery in mouse peripheral tissues: a possible role as a synchronizing hinge. <i>Journal of Biological Regulators and Homeostatic Agents</i> , 2012 , 26, 265-76 | 0.7 | 18 |
| 29 | Clock gene expression in mouse kidney and testis: analysis of periodical and dynamical patterns. <i>Journal of Biological Regulators and Homeostatic Agents</i> , 2012 , 26, 303-11 | 0.7 | 13 |
| 28 | Hypermethylated levels of E-cadherin promoter in Huh-7 cells expressing the HCV core protein. <i>Virus Research</i> , 2011 , 160, 74-81 | 6.4 | 49 |
| 27 | Time-related dynamics of variation in core clock gene expression levels in tissues relevant to the immune system. <i>International Journal of Immunopathology and Pharmacology</i> , 2011 , 24, 869-79 | 3 | 21 |
| 26 | Down-regulation of phosphatase and tensin homolog by hepatitis C virus core 3a in hepatocytes triggers the formation of large lipid droplets. <i>Hepatology</i> , 2011 , 54, 38-49 | 11.2 | 54 |
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| 20 | Aldosterone, but not increased Na ⁺ influx or NF-kappaB activation, increases kidney-specific WNK1 gene expression in renal collecting duct cells. <i>Hormone and Metabolic Research</i> , 2009 , 41, 67-70 | 3.1 | 3 |

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| 19 | The Lou/C rat: a model of spontaneous food restriction associated with improved insulin sensitivity and decreased lipid storage in adipose tissue. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 296, E1120-32 | 6 | 24 |
| 18 | Aldosterone activates NF-kappaB in the collecting duct. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 131-44 | 12.7 | 74 |
| 17 | Unsaturated fatty acids inhibit the expression of tumor suppressor phosphatase and tensin homolog (PTEN) via microRNA-21 up-regulation in hepatocytes. <i>Hepatology</i> , 2009 , 49, 1176-84 | 11.2 | 145 |
| 16 | Unsaturated fatty acids promote hepatoma proliferation and progression through downregulation of the tumor suppressor PTEN. <i>Journal of Hepatology</i> , 2009 , 50, 1132-41 | 13.4 | 98 |
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| 14 | PTEN down-regulation by unsaturated fatty acids triggers hepatic steatosis via an NF-kappaB/p65/mTOR-dependent mechanism. <i>Gastroenterology</i> , 2008 , 134, 268-80 | 13.3 | 113 |
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| 11 | PTEN at the crossroad of metabolic diseases and cancer in the liver. <i>Annals of Hepatology</i> , 2008 , 7, 192-93.1 | 19.1 | 22 |
| 10 | A phytoestrogen-rich diet increases energy expenditure and decreases adiposity in mice. <i>Environmental Health Perspectives</i> , 2007 , 115, 1467-73 | 8.4 | 89 |
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| 8 | PTEN and SHIP2 phosphoinositide phosphatases as negative regulators of insulin signalling. <i>Archives of Physiology and Biochemistry</i> , 2006 , 112, 89-104 | 2.2 | 69 |
| 7 | Hormonal and nonhormonal mechanisms of regulation of the Na,K-pump in collecting duct principal cells. <i>Seminars in Nephrology</i> , 2005 , 25, 312-21 | 4.8 | 22 |
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| 3 | Mechanism of control of Na,K-ATPase in principal cells of the mammalian collecting duct. <i>Annals of the New York Academy of Sciences</i> , 2003 , 986, 570-8 | 6.5 | 33 |
| 2 | Intracellular Na ⁺ controls cell surface expression of Na,K-ATPase via a cAMP-independent PKA pathway in mammalian kidney collecting duct cells. <i>Molecular Biology of the Cell</i> , 2003 , 14, 2677-88 | 3.5 | 55 |

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