

Manlio Vinciguerra

List of Publications by Citations

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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	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
179	Interventions to Slow Aging in Humans: Are We Ready?. <i>Aging Cell</i> , 2015 , 14, 497-510	9.9	373
178	MicroRNA-29 in aortic dilation: implications for aneurysm formation. <i>Circulation Research</i> , 2011 , 109, 1115-9	15.7	262
177	Fibroblast growth factor 21 protects against cardiac hypertrophy in mice. <i>Nature Communications</i> , 2013 , 4, 2019	17.4	224
176	Dietary phytoestrogens activate AMP-activated protein kinase with improvement in lipid and glucose metabolism. <i>Diabetes</i> , 2008 , 57, 1176-85	0.9	158
175	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
174	Liver diseases and aging: friends or foes?. <i>Aging Cell</i> , 2013 , 12, 950-4	9.9	133
173	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
172	Clock genes and clock-controlled genes in the regulation of metabolic rhythms. <i>Chronobiology International</i> , 2012 , 29, 227-51	3.6	118
171	PTEN down-regulation by unsaturated fatty acids triggers hepatic steatosis via an NF-kappaBp65/mTOR-dependent mechanism. <i>Gastroenterology</i> , 2008 , 134, 268-80	13.3	113
170	Regulation of muscle atrophy in aging and disease. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 694, 211-33	3.6	107
169	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
168	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
167	mIGF-1/JNK1/Sirt1 signaling confers protection against oxidative stress in the heart. <i>Aging Cell</i> , 2012 , 11, 139-49	9.9	97
166	A phytoestrogen-rich diet increases energy expenditure and decreases adiposity in mice. <i>Environmental Health Perspectives</i> , 2007 , 115, 1467-73	8.4	89
165	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
164	Dual effects of hypertonicity on aquaporin-2 expression in cultured renal collecting duct principal cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2005 , 16, 1571-82	12.7	75

163	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
162	Local IGF-1 isoform protects cardiomyocytes from hypertrophic and oxidative stresses via SirT1 activity. <i>Aging</i> , 2009 , 2, 43-62	5.6	74
161	Redox homeostasis and epigenetics in non-alcoholic fatty liver disease (NAFLD). <i>Current Pharmaceutical Design</i> , 2013 , 19, 2737-46	3.3	73
160	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
159	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
158	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
157	Growth factors, nutrient signaling, and cardiovascular aging. <i>Circulation Research</i> , 2012 , 110, 1139-50	15.7	62
156	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
155	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
154	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
153	Microarray analyses and molecular profiling of steatosis induction in immortalized human hepatocytes. <i>Laboratory Investigation</i> , 2007 , 87, 792-806	5.9	56
152	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	4.9	55
151	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
150	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
149	Hepatitis C virus core protein genotype 3a increases SOCS-7 expression through PPAR- γ in Huh-7 cells. <i>Journal of General Virology</i> , 2010 , 91, 1678-86	4.9	54
148	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
147	Immunopositivity for histone macroH2A1 isoforms marks steatosis-associated hepatocellular carcinoma. <i>PLoS ONE</i> , 2013 , 8, e54458	3.7	52
146	Sirt1 in muscle physiology and disease: lessons from mouse models. <i>DMM Disease Models and Mechanisms</i> , 2010 , 3, 298-303	4.1	52

145	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
144	Association of Dietary Patterns with Metabolic Syndrome: Results from the KardioVize Brno 2030 Study. <i>Nutrients</i> , 2018 , 10,	6.7	50
143	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
142	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
141	Aging signaling pathways and circadian clock-dependent metabolic derangements. <i>Trends in Endocrinology and Metabolism</i> , 2013 , 24, 229-37	8.8	48
140	Non-alcoholic fatty liver disease: the role of nuclear receptors and circadian rhythmicity. <i>Liver International</i> , 2014 , 34, 1133-52	7.9	47
139	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
138	Induction of cancer cell stemness by depletion of macrohistone H2A1 in hepatocellular carcinoma. <i>Hepatology</i> , 2018 , 67, 636-650	11.2	46
137	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
136	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
135	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
134	PTEN at the crossroad of metabolic diseases and cancer in the liver. <i>Annals of Hepatology</i> , 2008 , 7, 192-199	11.2	45
133	SIRT1-metabolite binding histone macroH2A1.1 protects hepatocytes against lipid accumulation. <i>Aging</i> , 2014 , 6, 35-47	5.6	43
132	The circadian clock circuitry and the AHR signaling pathway in physiology and pathology. <i>Biochemical Pharmacology</i> , 2013 , 85, 1405-16	6	41
131	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
130	MicroRNA-30 mediates anti-inflammatory effects of shear stress and KLF2 via repression of angiotensin 2. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 88, 111-9	5.8	39
129	Gut Dysbiosis and Adaptive Immune Response in Diet-induced Obesity vs. Systemic Inflammation. <i>Frontiers in Microbiology</i> , 2017 , 8, 1157	5.7	38
128	Biology, Epidemiology, Clinical Aspects of Hepatocellular Carcinoma and the Role of Sorafenib. <i>Current Drug Targets</i> , 2016 , 17, 783-99	3	38

127	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
126	Zeolite Nanoparticles for Selective Sorption of Plasma Proteins. <i>Scientific Reports</i> , 2015 , 5, 17259	4.9	34
125	SIRT1 signaling as potential modulator of skeletal muscle diseases. <i>Current Opinion in Pharmacology</i> , 2012 , 12, 372-6	5.1	34
124	Interplay between SOX9, Eatenin and PPAR α activation in colorectal cancer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 1853-65	4.9	33
123	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
122	Circadian clock circuitry in colorectal cancer. <i>World Journal of Gastroenterology</i> , 2014 , 20, 4197-207	5.6	32
121	Mutual antagonism between circadian protein period 2 and hepatitis C virus replication in hepatocytes. <i>PLoS ONE</i> , 2013 , 8, e60527	3.7	31
120	A Timeless Link Between Circadian Patterns and Disease. <i>Trends in Molecular Medicine</i> , 2016 , 22, 68-81	11.5	30
119	Molecular bases of circadian rhythmicity in renal physiology and pathology. <i>Nephrology Dialysis Transplantation</i> , 2013 , 28, 2421-31	4.3	29
118	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
117	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
116	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
115	Cytokines and sodium induce protein kinase A-dependent cell-surface Na,K-ATPase recruitment via dissociation of NF-kappaB/IkappaB/protein kinase A catalytic subunit complex in collecting duct principal cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2005 , 16, 2576-85	12.7	28
114	Sleep Duration and Excessive Daytime Sleepiness Are Associated with Obesity Independent of Diet and Physical Activity. <i>Nutrients</i> , 2018 , 10,	6.7	28
113	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
112	Amphiregulin activates human hepatic stellate cells and is upregulated in non alcoholic steatohepatitis. <i>Scientific Reports</i> , 2015 , 5, 8812	4.9	27
111	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
110	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

109	Fasting regulates EGR1 and protects from glucose- and dexamethasone-dependent sensitization to chemotherapy. <i>PLoS Biology</i> , 2017 , 15, e2001951	9.7	26
108	Effects of the peroxisome proliferator-activated receptor (PPAR)-gamma agonist pioglitazone on renal and hormonal responses to salt in diabetic and hypertensive individuals. <i>Diabetologia</i> , 2010 , 53, 1568-75	10.3	26
107	Histone macroH2A1.2 promotes metabolic health and leanness by inhibiting adipogenesis. <i>Epigenetics and Chromatin</i> , 2016 , 9, 45	5.8	24
106	To help aging populations, classify organismal senescence. <i>Science</i> , 2019 , 366, 576-578	33.3	24
105	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
104	DAPK1 Promoter Methylation and Cervical Cancer Risk: A Systematic Review and a Meta-Analysis. <i>PLoS ONE</i> , 2015 , 10, e0135078	3.7	24
103	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
102	Management strategies for hepatocellular carcinoma: old certainties and new realities. <i>Clinical and Experimental Medicine</i> , 2016 , 16, 243-56	4.9	23
101	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
100	Peroxisome proliferator-activated receptor Emediated 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
99	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
98	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
97	PTEN at the crossroad of metabolic diseases and cancer in the liver. <i>Annals of Hepatology</i> , 2008 , 7, 192-93.1	3.1	22
96	The circadian clock and the hypoxic response pathway in kidney cancer. <i>Tumor Biology</i> , 2014 , 35, 1-7	2.9	21
95	Caloric restriction and aging stem cells: the stick and the carrot?. <i>Experimental Gerontology</i> , 2014 , 50, 137-48	4.5	21
94	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
93	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
92	Deregulated expression of cryptochrome genes in human colorectal cancer. <i>Molecular Cancer</i> , 2016 , 15, 6	42.1	20

91	PPARs Signaling and Cancer in the Gastrointestinal System. <i>PPAR Research</i> , 2012 , 2012, 560846	4.3	20
90	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
89	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
88	Lipid droplets hypertrophy: a crucial determining factor in insulin regulation by adipocytes. <i>Scientific Reports</i> , 2015 , 5, 8816	4.9	19
87	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
86	Histone MacroH2A1: A Chromatin Point of Intersection between Fasting, Senescence and Cellular Regeneration. <i>Genes</i> , 2017 , 8,	4.2	19
85	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
84	Cardioprotective mIGF-1/SIRT1 signaling induces hypertension, leukocytosis and fear response in mice. <i>Aging</i> , 2012 , 4, 402-16	5.6	18
83	Maternal obesity alters endoplasmic reticulum homeostasis in offspring pancreas. <i>Journal of Physiology and Biochemistry</i> , 2016 , 72, 281-91	5	18
82	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
81	SIRT1 and circadian gene expression in pancreatic ductal adenocarcinoma: Effect of starvation. <i>Chronobiology International</i> , 2015 , 32, 497-512	3.6	17
80	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
79	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
78	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
77	Extracellular hypotonicity increases Na,K-ATPase cell surface expression via enhanced Na ⁺ influx in cultured renal collecting duct cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2004 , 15, 2537-47	12.7	14
76	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
75	Macro Histone Variants: Emerging Rheostats of Gastrointestinal Cancers. <i>Cancers</i> , 2019 , 11,	6.6	13
74	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

73	SIRT1 and the clock gene machinery in colorectal cancer. <i>Cancer Investigation</i> , 2012 , 30, 98-105	2.1	13
72	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
71	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
70	Histone variants and lipid metabolism. <i>Biochemical Society Transactions</i> , 2014 , 42, 1409-13	5.1	12
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	Correlations among PPAR α /DNMT1, and DNMT3B Expression Levels and Pancreatic Cancer. <i>PPAR Research</i> , 2012 , 2012, 461784	4.3	12
67	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
66	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
65	Interplay between transglutaminases and heparan sulphate in progressive renal scarring. <i>Scientific Reports</i> , 2016 , 6, 31343	4.9	11
64	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
63	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
62	Developmental Programming of Obesity and Liver Metabolism by Maternal Perinatal Nutrition Involves the Melanocortin System. <i>Nutrients</i> , 2017 , 9,	6.7	10
61	Isolation of senescent cells by iodixanol (OptiPrep) density gradient-based separation. <i>Cell Proliferation</i> , 2019 , 52, e12674	7.9	9
60	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
59	A Role for the Biological Clock in Liver Cancer. <i>Cancers</i> , 2019 , 11,	6.6	9
58	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
57	Senescence-like phenotype in post-mitotic cells of mice entering middle age. <i>Aging</i> , 2020 , 12, 13979-13996	9.0	9
56	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

55	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
54	Fasting-mimicking diet prevents high-fat diet effect on cardiometabolic risk and lifespan. <i>Nature Metabolism</i> , 2021 , 3, 1342-1356	14.6	9
53	Obesity-induced nucleosome release predicts poor cardio-metabolic health. <i>Clinical Epigenetics</i> , 2019 , 12, 2	7.7	9
52	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
51	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
50	Loss of macroH2A1 decreases mitochondrial metabolism and reduces the aggressiveness of uveal melanoma cells. <i>Aging</i> , 2020 , 12, 9745-9760	5.6	8
49	Catalyzing Transcriptomics Research in Cardiovascular Disease: The CardioRNA COST Action CA17129. <i>Non-coding RNA</i> , 2019 , 5,	7.1	7
48	Circulating histone signature of human lean metabolic-associated fatty liver disease (MAFLD). <i>Clinical Epigenetics</i> , 2020 , 12, 126	7.7	7
47	Cardio- and Neurometabolic Adipobiology: Consequences and Implications for Therapy. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7
46	Ceramide Scores Predict Cardiovascular Risk in the Community. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 1558-1569	9.4	7
45	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
44	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
43	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
42	Immunoexpression of MacroH2a in Uveal Melanoma. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3244	2.6	6
41	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
40	GDF11 induces mild hepatic fibrosis independent of metabolic health. <i>Aging</i> , 2020 , 12, 20024-20046	5.6	6
39	Redox and Epigenetics in Human Pluripotent Stem Cells Differentiation. <i>Antioxidants and Redox Signaling</i> , 2021 , 34, 335-349	8.4	6
38	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

37	The biological clock and the molecular basis of lysosomal storage diseases. <i>JIMD Reports</i> , 2015 , 18, 93-105	5	5
36	Cardio-hepatic metabolic derangements and valproic acid. <i>Current Clinical Pharmacology</i> , 2014 , 9, 165-70	5	5
35	Candidate rejuvenating factor GDF11 and tissue fibrosis: friend or foe?. <i>GeroScience</i> , 2020 , 42, 1475-1498	8.9	5
34	Is Drinking Alcohol Really Linked to Cardiovascular Health? Evidence from the KardioVize 2030 Project. <i>Nutrients</i> , 2020 , 12,	6.7	5
33	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
32	Protein intake, chronic liver diseases, and hepatocellular carcinoma. <i>Hepatology</i> , 2015 , 61, 730	11.2	4
31	A Lipidomic Signature Complements Stemness Features Acquisition in Liver Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
30	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
29	Epigenetic remodelling in human hepatocellular carcinoma.. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022 , 41, 107	12.8	4
28	The inherent challenges of classifying senescence-Response. <i>Science</i> , 2020 , 368, 595-596	33.3	3
27	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
26	Nociceptin/orphanin FQ opioid receptor (NOP) selective ligand MCOPPB links anxiolytic and senolytic effects. <i>GeroScience</i> , 2021 , 1	8.9	3
25	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
24	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
23	Inhibition of dipeptidyl peptidase 4 (DPP4) activates immune cells chemotaxis in hepatocellular carcinoma 2019 , 2, 1-3		2
22	Advance in molecular diagnostic tools for hepatitis B virus detection. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013 , 51, 1707-17	5.9	2
21	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
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