Thomas J Corydon

List of Publications by Year in Descending Order

82 papers	2,136 citations	29 h-index	43 g-index
87 ext. papers	2,637 ext. citations	5.5 avg, IF	4.82 L-index

#	Paper	IF	Citations
82	Three-Dimensional Growth of Prostate Cancer Cells Exposed to Simulated Microgravity.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 841017	5.7	4
81	The Fight against Cancer by Microgravity: The Multicellular Spheroid as a Metastasis Model.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	5
80	-targeting miR-agshRNAs combine efficacy with specificity and safety for retinal gene therapy.. *Molecular Therapy - Nucleic Acids*, **2022**, 28, 58-76	10.7	0
79	Changes in Exosomal miRNA Composition in Thyroid Cancer Cells after Prolonged Exposure to Real Microgravity in Space. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
78	Subretinal Saline Protects the Neuroretina From Thermic Damage During Laser Induction of Experimental Choroidal Neovascularization in Pigs. *Translational Vision Science and Technology*, **2021**, 10, 29	3.3	0
77	Role of Apoptosis in Wound Healing and Apoptosis Alterations in Microgravity. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 679650	5.8	11
76	Alterations of Growth and Focal Adhesion Molecules in Human Breast Cancer Cells Exposed to the Random Positioning Machine. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 672098	5.7	5
75	Retinal gene therapy: an eye-opener of the 21st century. *Gene Therapy*, **2021**, 28, 209-216	4	7
74	Targeted Knockout of the Vegfa Gene in the Retina by Subretinal Injection of RNP Complexes Containing Cas9 Protein and Modified sgRNAs. *Molecular Therapy*, **2021**, 29, 191-207	11.7	6
73	Changes in Exosome Release in Thyroid Cancer Cells after Prolonged Exposure to Real Microgravity in Space. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
72	The CellBox-2 Mission to the International Space Station: Thyroid Cancer Cells in Space. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
71	Dexamethasone Inhibits Spheroid Formation of Thyroid Cancer Cells Exposed to Simulated Microgravity. *Cells*, **2020**, 9,	7.9	8
70	Simulated Microgravity Influences VEGF, MAPK, and PAM Signaling in Prostate Cancer Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	16
69	The effects of microgravity on differentiation and cell growth in stem cells and cancer stem cells. *Stem Cells Translational Medicine*, **2020**, 9, 882-894	6.9	21
68	Associations between the Complement System and Choroidal Neovascularization in Wet Age-Related Macular Degeneration. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	4
67	Science between Bioreactors and Space Research-Response to Comments by Joseph J. Bevelacqua et al. on "Dexamethasone Inhibits Spheroid Formation of Thyroid Cancer Cells Exposed to Simulated Microgravity". *Cells*, **2020**, 9,	7.9	
66	Influence of Microgravity on Apoptosis in Cells, Tissues, and Other Systems In Vivo and In Vitro. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	15

65	The role of SOX family members in solid tumours and metastasis. *Seminars in Cancer Biology*, **2020**, 67, 122-153	12.7	117
64	Efficient Knockdown and Lack of Passenger Strand Activity by Dicer-Independent shRNAs Expressed from Pol II-Driven MicroRNA Scaffolds. *Molecular Therapy - Nucleic Acids*, **2019**, 14, 318-328	10.7	6
63	Fighting Thyroid Cancer with Microgravity Research. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	21
62	Changes in Human Foetal Osteoblasts Exposed to the Random Positioning Machine and Bone Construct Tissue Engineering. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	20
61	Suppression of Choroidal Neovascularization by AAV-Based Dual-Acting Antiangiogenic Gene Therapy. *Molecular Therapy - Nucleic Acids*, **2019**, 16, 38-50	10.7	29
60	CRISPR Gene Therapy of the Eye: Targeted Knockout of Vegfa in Mouse Retina by Lentiviral Delivery. *Methods in Molecular Biology*, **2019**, 1961, 307-328	1.4	3
59	Growing blood vessels in space: Preparation studies of the SPHEROIDS project using related ground-based studies. *Acta Astronautica*, **2019**, 159, 267-272	2.9	6
58	Morphological and Molecular Changes in Juvenile Normal Human Fibroblasts Exposed to Simulated Microgravity. *Scientific Reports*, **2019**, 9, 11882	4.9	19
57	Real Microgravity Influences the Cytoskeleton and Focal Adhesions in Human Breast Cancer Cells. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	37
56	Augmenting cancer cell proteomics with cellular images - A semantic approach to understand focal adhesion. *Journal of Biomedical Informatics*, **2019**, 100, 103320	10.2	3
55	Dominant-negative SERPING1 variants cause intracellular retention of C1 inhibitor in hereditary angioedema. *Journal of Clinical Investigation*, **2019**, 129, 388-405	15.9	24
54	Growth of Endothelial Cells in Space and in Simulated Microgravity - a Comparison on the Secretory Level. *Cellular Physiology and Biochemistry*, **2019**, 52, 1039-1060	3.9	23
53	Short-Term Microgravity Influences Cell Adhesion in Human Breast Cancer Cells. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	18
52	Current knowledge about the impact of microgravity on the proteome. *Expert Review of Proteomics* , **2019**, 16, 5-16	4.2	12
51	Next generation sequencing of RNA reveals novel targets of resveratrol with possible implications for Canavan disease. *Molecular Genetics and Metabolism*, **2019**, 126, 64-76	3.7	10
50	The role of NFB in spheroid formation of human breast cancer cells cultured on the Random Positioning Machine. *Scientific Reports*, **2018**, 8, 921	4.9	37
49	The Novel Ser18del AVP Variant Causes Inherited Neurohypophyseal Diabetes Insipidus by Mechanisms Shared with Other Signal Peptide Variants. *Neuroendocrinology*, **2018**, 106, 167-186	5.6	12
48	Tissue Engineering Under Microgravity Conditions-Use of Stem Cells and Specialized Cells. *Stem Cells and Development*, **2018**, 27, 787-804	4.4	41

47	Dissecting microRNA dysregulation in age-related macular degeneration: new targets for eye gene therapy. *Acta Ophthalmologica*, **2018**, 96, 9-23	3.7	23
46	Improved Lentiviral Gene Delivery to Mouse Liver by Hydrodynamic Vector Injection through Tail Vein. *Molecular Therapy - Nucleic Acids*, **2018**, 12, 672-683	10.7	13
45	Development of Multigenic Lentiviral Vectors for Cell-Specific Expression of Antiangiogenic miRNAs and Protein Factors. *Methods in Molecular Biology*, **2018**, 1715, 47-60	1.4	6
44	Brain volumetric alterations accompanied with loss of striatal medium-sized spiny neurons and cortical parvalbumin expressing interneurons in Brd1 mice. *Scientific Reports*, **2018**, 8, 16486	4.9	7
43	Microgravity Affects Thyroid Cancer Cells during the TEXUS-53 Mission Stronger than Hypergravity. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	16
42	Decreased E-Cadherin in MCF7 Human Breast Cancer Cells Forming Multicellular Spheroids Exposed to Simulated Microgravity. *Proteomics*, **2018**, 18, e1800015	4.8	34
41	A Novel Synonymous Variant in the AVP Gene Associated with Autosomal Dominant Familial Neurohypophyseal Diabetes Insipidus Causes Partial RNA Missplicing. *Neuroendocrinology*, **2018**, 107, 167-180	5.6	
40	Three-dimensional growth of human endothelial cells in an automated cell culture experiment container during the SpaceX CRS-8 ISS space mission - The SPHEROIDS project. *Biomaterials*, **2017**, 124, 126-156	15.6	31
39	Suppression of Choroidal Neovascularization in Mice by Subretinal Delivery of Multigenic Lentiviral Vectors Encoding Anti-Angiogenic MicroRNAs. *Human Gene Therapy Methods*, **2017**, 28, 222-233	4.9	12
38	In Vivo Knockout of the Vegfa Gene by Lentiviral Delivery of CRISPR/Cas9 in Mouse Retinal Pigment Epithelium Cells. *Molecular Therapy - Nucleic Acids*, **2017**, 9, 89-99	10.7	40
37	Preparation of A Spaceflight: Apoptosis Search in Sutured Wound Healing Models. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	5
36	Reduced Expression of Cytoskeletal and Extracellular Matrix Genes in Human Adult Retinal Pigment Epithelium Cells Exposed to Simulated Microgravity. *Cellular Physiology and Biochemistry*, **2016**, 40, 1-17	3.9	42
35	Identification of the BRD1 interaction network and its impact on mental disorder risk. *Genome Medicine*, **2016**, 8, 53	14.4	23
34	Pathways Regulating Spheroid Formation of Human Follicular Thyroid Cancer Cells under Simulated Microgravity Conditions: A Genetic Approach. *International Journal of Molecular Sciences*, **2016**, 17, 528	6.3	28
33	Alterations of the cytoskeleton in human cells in space proved by life-cell imaging. *Scientific Reports* , **2016**, 6, 20043	4.9	65
32	Identifications of novel mechanisms in breast cancer cells involving duct-like multicellular spheroid formation after exposure to the Random Positioning Machine. *Scientific Reports*, **2016**, 6, 26887	4.9	54
31	The impact of microgravity on bone in humans. *Bone*, **2016**, 87, 44-56	4.7	115
30	Schizophrenia risk variants affecting microRNA function and site-specific regulation of NT5C2 by miR-206. *European Neuropsychopharmacology*, **2016**, 26, 1522-1526	1.2	15

29	Antiangiogenic Eye Gene Therapy. *Human Gene Therapy*, **2015**, 26, 525-37	4.8	21
28	Differential gene expression of human chondrocytes cultured under short-term altered gravity conditions during parabolic flight maneuvers. *Cell Communication and Signaling*, **2015**, 13, 18	7.5	25
27	Mechanisms of three-dimensional growth of thyroid cells during long-term simulated microgravity. *Scientific Reports*, **2015**, 5, 16691	4.9	49
26	Multigenic lentiviral vectors for combined and tissue-specific expression of miRNA- and protein-based antiangiogenic factors. *Molecular Therapy - Methods and Clinical Development*, **2015**, 2, 14064	6.4	37
25	Partial nephrogenic diabetes insipidus caused by a novel AQP2 variation impairing trafficking of the aquaporin-2 water channel. *BMC Nephrology*, **2015**, 16, 217	2.7	13
24	Identification of proteins involved in inhibition of spheroid formation under microgravity. *Proteomics*, **2015**, 15, 2945-52	4.8	42
23	The Importance of Caveolin-1 as Key-Regulator of Three-Dimensional Growth in Thyroid Cancer Cells Cultured under Real and Simulated Microgravity Conditions. *International Journal of Molecular Sciences*, **2015**, 16, 28296-310	6.3	30
22	A Novel Locus Harbouring a Functional CD164 Nonsense Mutation Identified in a Large Danish Family with Nonsyndromic Hearing Impairment. *PLoS Genetics*, **2015**, 11, e1005386	6	13
21	Moderate alterations of the cytoskeleton in human chondrocytes after short-term microgravity produced by parabolic flight maneuvers could be prevented by up-regulation of BMP-2 and SOX-9. *FASEB Journal*, **2015**, 29, 2303-14	0.9	57
20	Common Effects on Cancer Cells Exerted by a Random Positioning Machine and a 2D Clinostat. *PLoS ONE*, **2015**, 10, e0135157	3.7	48
19	Reduction of choroidal neovascularization in mice by adeno-associated virus-delivered anti-vascular endothelial growth factor short hairpin RNA. *Journal of Gene Medicine*, **2012**, 14, 632-41	3.5	41
18	Adeno-associated virus-delivered polycistronic microRNA-clusters for knockdown of vascular endothelial growth factor in vivo. *Journal of Gene Medicine*, **2012**, 14, 328-38	3.5	34
17	Partial nephrogenic diabetes insipidus caused by a novel mutation in the AVPR2 gene. *Clinical Endocrinology*, **2008**, 68, 395-403	3.4	33
16	CHARACTERIZATION OF MUTANT V2 RECEPTORS ASSOCIATED WITH PARTIAL CONGENITAL NEPHROGENIC DIABETES INSIPIDUS. *FASEB Journal*, **2008**, 22, 748.3	0.9	
15	Single-nucleotide variations in the genes encoding the mitochondrial Hsp60/Hsp10 chaperone system and their disease-causing potential. *Journal of Human Genetics*, **2007**, 52, 56-65	4.3	25
14	A functional CD86 polymorphism associated with asthma and related allergic disorders. *Journal of Medical Genetics*, **2007**, 44, 509-15	5.8	20
13	Down-regulation of Hsp60 expression by RNAi impairs folding of medium-chain acyl-CoA dehydrogenase wild-type and disease-associated proteins. *Molecular Genetics and Metabolism*, **2005**, 85, 260-70	3.7	34
12	Expression of three different mutations in the arginine vasopressin gene suggests genotype-phenotype correlation in familial neurohypophyseal diabetes insipidus kindreds. *Clinical Endocrinology*, **2005**, 63, 207-16	3.4	29

11	Differential cellular handling of defective arginine vasopressin (AVP) prohormones in cells expressing mutations of the AVP gene associated with autosomal dominant and recessive familial neurohypophyseal diabetes insipidus. *Journal of Clinical Endocrinology and Metabolism*, **2004**, 89, 4521-31	5.6	42
10	Impaired trafficking of mutated AVP prohormone in cells expressing rare disease genes causing autosomal dominant familial neurohypophyseal diabetes insipidus. *Clinical Endocrinology*, **2004**, 60, 125-36	3.4	29
9	Characterization of overexpressed mutant proteins in mammalian cells. *Methods in Molecular Biology*, **2003**, 232, 183-202	1.4	3
8	Mutation analysis in mitochondrial fatty acid oxidation defects: Exemplified by acyl-CoA dehydrogenase deficiencies, with special focus on genotype-phenotype relationship. *Human Mutation*, **2001**, 18, 169-89	4.7	159
7	LDL receptor-GFP fusion proteins: new tools for the characterisation of disease-causing mutations in the LDL receptor gene. *European Journal of Human Genetics*, **2001**, 9, 815-22	5.3	20
6	Mutation analysis in mitochondrial fatty acid oxidation defects: Exemplified by acyl-CoA dehydrogenase deficiencies, with special focus on genotype-phenotype relationship **2001**, 18, 169		3
5	Characterization of mouse Clpp protease cDNA, gene, and protein. *Mammalian Genome*, **2000**, 11, 275-80	3.2	5
4	Human and mouse mitochondrial orthologs of bacterial ClpX. *Mammalian Genome*, **2000**, 11, 899-905	3.2	35
3	The Tetrahymena homolog of bacterial and mammalian 4-hydroxyphenylpyruvate dioxygenases localizes to membranes of the endoplasmic reticulum. *Cell Biology International*, **2000**, 23, 719-28	4.5	
2	Clinical and molecular evidence of abnormal processing and trafficking of the vasopressin preprohormone in a large kindred with familial neurohypophyseal diabetes insipidus due to a signal peptide mutation. *Journal of Clinical Endocrinology and Metabolism*, **1999**, 84, 2933-41	5.6	57
1	Protein misfolding and degradation in genetic diseases. *Human Mutation*, **1999**, 14, 186-98	4.7	151