

Thomas J Corydon

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

3,123
citations

136740

32
h-index

189595

50
g-index

87
all docs

87
docs citations

87
times ranked

2932
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of SOX family members in solid tumours and metastasis. <i>Seminars in Cancer Biology</i> , 2020, 67, 122-153.	4.3	238
2	The impact of microgravity on bone in humans. <i>Bone</i> , 2016, 87, 44-56.	1.4	188
3	Protein misfolding and degradation in genetic diseases. , 1999, 14, 186-198.		184
4	Mutation analysis in mitochondrial fatty acid oxidation defects: Exemplified by acyl-CoA dehydrogenase deficiencies, with special focus on genotype-phenotype relationship. <i>Human Mutation</i> , 2001, 18, 169-189.	1.1	178
5	Alterations of the cytoskeleton in human cells in space proved by life-cell imaging. <i>Scientific Reports</i> , 2016, 6, 20043.	1.6	93
6	Identifications of novel mechanisms in breast cancer cells involving duct-like multicellular spheroid formation after exposure to the Random Positioning Machine. <i>Scientific Reports</i> , 2016, 6, 26887.	1.6	70
7	Mechanisms of three-dimensional growth of thyroid cells during long-term simulated microgravity. <i>Scientific Reports</i> , 2015, 5, 16691.	1.6	65
8	Moderate alterations of the cytoskeleton in human chondrocytes after short-term microgravity produced by parabolic flight maneuvers could be prevented by up-regulation of BMP2 and SOX9. <i>FASEB Journal</i> , 2015, 29, 2303-2314.	0.2	65
9	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. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999, 84, 2933-2941.	1.8	64
10	Tissue Engineering Under Microgravity Conditions—Use of Stem Cells and Specialized Cells. <i>Stem Cells and Development</i> , 2018, 27, 787-804.	1.1	63
11	Real Microgravity Influences the Cytoskeleton and Focal Adhesions in Human Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3156.	1.8	62
12	In Vivo Knockout of the Vegfa Gene by Lentiviral Delivery of CRISPR/Cas9 in Mouse Retinal Pigment Epithelium Cells. <i>Molecular Therapy - Nucleic Acids</i> , 2017, 9, 89-99.	2.3	61
13	Common Effects on Cancer Cells Exerted by a Random Positioning Machine and a 2D Clinostat. <i>PLoS ONE</i> , 2015, 10, e0135157.	1.1	61
14	Reduced Expression of Cytoskeletal and Extracellular Matrix Genes in Human Adult Retinal Pigment Epithelium Cells Exposed to Simulated Microgravity. <i>Cellular Physiology and Biochemistry</i> , 2016, 40, 1-17.	1.1	58
15	The effects of microgravity on differentiation and cell growth in stem cells and cancer stem cells. <i>Stem Cells Translational Medicine</i> , 2020, 9, 882-894.	1.6	51
16	Identification of proteins involved in inhibition of spheroid formation under microgravity. <i>Proteomics</i> , 2015, 15, 2945-2952.	1.3	50
17	Influence of Microgravity on Apoptosis in Cells, Tissues, and Other Systems In Vivo and In Vitro. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9373.	1.8	50
18	Reduction of choroidal neovascularization in mice by adeno-associated virus-delivered anti-vascular endothelial growth factor short hairpin RNA. <i>Journal of Gene Medicine</i> , 2012, 14, 632-641.	1.4	48

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19	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. <i>Biomaterials</i> , 2017, 124, 126-156.	5.7	47
20	Suppression of Choroidal Neovascularization by AAV-Based Dual-Acting Antiangiogenic Gene Therapy. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 16, 38-50.	2.3	47
21	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. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 4521-4531.	1.8	46
22	The role of NF κ B in spheroid formation of human breast cancer cells cultured on the Random Positioning Machine. <i>Scientific Reports</i> , 2018, 8, 921.	1.6	46
23	Partial nephrogenic diabetes insipidus caused by a novel mutation in the AVPR2 gene. <i>Clinical Endocrinology</i> , 2008, 68, 395-403.	1.2	43
24	Multigenic lentiviral vectors for combined and tissue-specific expression of miRNA- and protein-based antiangiogenic factors. <i>Molecular Therapy - Methods and Clinical Development</i> , 2015, 2, 14064.	1.8	43
25	Morphological and Molecular Changes in Juvenile Normal Human Fibroblasts Exposed to Simulated Microgravity. <i>Scientific Reports</i> , 2019, 9, 11882.	1.6	43
26	Adeno-associated virus-delivered polycistronic microRNA-clusters for knockdown of vascular endothelial growth factor <i>in vivo</i> . <i>Journal of Gene Medicine</i> , 2012, 14, 328-338.	1.4	40
27	Role of Apoptosis in Wound Healing and Apoptosis Alterations in Microgravity. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 679650.	2.0	40
28	Dominant-negative SERPING1 variants cause intracellular retention of C1 inhibitor in hereditary angioedema. <i>Journal of Clinical Investigation</i> , 2018, 129, 388-405.	3.9	39
29	Pathways Regulating Spheroid Formation of Human Follicular Thyroid Cancer Cells under Simulated Microgravity Conditions: A Genetic Approach. <i>International Journal of Molecular Sciences</i> , 2016, 17, 528.	1.8	38
30	Dissecting microRNA dysregulation in age-related macular degeneration: new targets for eye gene therapy. <i>Acta Ophthalmologica</i> , 2018, 96, 9-23.	0.6	37
31	Human and mouse mitochondrial orthologs of bacterial ClpX. <i>Mammalian Genome</i> , 2000, 11, 899-905.	1.0	36
32	Down-regulation of Hsp60 expression by RNAi impairs folding of medium-chain acyl-CoA dehydrogenase wild-type and disease-associated proteins. <i>Molecular Genetics and Metabolism</i> , 2005, 85, 260-270.	0.5	36
33	Decreased E-cadherin in MCF7 Human Breast Cancer Cells Forming Multicellular Spheroids Exposed to Simulated Microgravity. <i>Proteomics</i> , 2018, 18, e1800015.	1.3	36
34	Fighting Thyroid Cancer with Microgravity Research. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2553.	1.8	36
35	The Importance of Caveolin-1 as Key-Regulator of Three-Dimensional Growth in Thyroid Cancer Cells Cultured under Real and Simulated Microgravity Conditions. <i>International Journal of Molecular Sciences</i> , 2015, 16, 28296-28310.	1.8	35
36	Impaired trafficking of mutated AVP prohormone in cells expressing rare disease genes causing autosomal dominant familial neurohypophyseal diabetes insipidus. <i>Clinical Endocrinology</i> , 2004, 60, 125-136.	1.2	33

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37	Differential gene expression of human chondrocytes cultured under short-term altered gravity conditions during parabolic flight maneuvers. <i>Cell Communication and Signaling</i> , 2015, 13, 18.	2.7	32
38	Changes in Human Foetal Osteoblasts Exposed to the Random Positioning Machine and Bone Construct Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1357.	1.8	32
39	Simulated Microgravity Influences VEGF, MAPK, and PAM Signaling in Prostate Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1263.	1.8	32
40	Growth of Endothelial Cells in Space and in Simulated Microgravity – a Comparison on the Secretory Level. <i>Cellular Physiology and Biochemistry</i> , 2019, 52, 1039-1060.	1.1	32
41	The Fight against Cancer by Microgravity: The Multicellular Spheroid as a Metastasis Model. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3073.	1.8	32
42	Expression of three different mutations in the arginine vasopressin gene suggests genotype-phenotype correlation in familial neurohypophyseal diabetes insipidus kindreds. (Genotype-phenotype) <i>Tj ETQqO 0 0 rgBT /Overlock 10 150 537 T</i>		
43	Single-nucleotide variations in the genes encoding the mitochondrial Hsp60/Hsp10 chaperone system and their disease-causing potential. <i>Journal of Human Genetics</i> , 2007, 52, 56-65.	1.1	29
44	Identification of the BRD1 interaction network and its impact on mental disorder risk. <i>Genome Medicine</i> , 2016, 8, 53.	3.6	29
45	Short-Term Microgravity Influences Cell Adhesion in Human Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5730.	1.8	28
46	Current knowledge about the impact of microgravity on the proteome. <i>Expert Review of Proteomics</i> , 2019, 16, 5-16.	1.3	24
47	Targeted Knockout of the Vegfa Gene in the Retina by Subretinal Injection of RNP Complexes Containing Cas9 Protein and Modified sgRNAs. <i>Molecular Therapy</i> , 2021, 29, 191-207.	3.7	24
48	A functional CD86 polymorphism associated with asthma and related allergic disorders. <i>Journal of Medical Genetics</i> , 2007, 44, 509-515.	1.5	23
49	Schizophrenia risk variants affecting microRNA function and site-specific regulation of NT5C2 by miR-206. <i>European Neuropsychopharmacology</i> , 2016, 26, 1522-1526.	0.3	23
50	LDL receptor-GFP fusion proteins: new tools for the characterisation of disease-causing mutations in the LDL receptor gene. <i>European Journal of Human Genetics</i> , 2001, 9, 815-822.	1.4	22
51	Antiangiogenic Eye Gene Therapy. <i>Human Gene Therapy</i> , 2015, 26, 525-537.	1.4	22
52	Improved Lentiviral Gene Delivery to Mouse Liver by Hydrodynamic Vector Injection through Tail Vein. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 12, 672-683.	2.3	22
53	Retinal gene therapy: an eye-opener of the 21st century. <i>Gene Therapy</i> , 2021, 28, 209-216.	2.3	21
54	Suppression of Choroidal Neovascularization in Mice by Subretinal Delivery of Multigenic Lentiviral Vectors Encoding Anti-Angiogenic MicroRNAs. <i>Human Gene Therapy Methods</i> , 2017, 28, 222-233.	2.1	20

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55	Dexamethasone Inhibits Spheroid Formation of Thyroid Cancer Cells Exposed to Simulated Microgravity. <i>Cells</i> , 2020, 9, 367.	1.8	20
56	Microgravity Affects Thyroid Cancer Cells during the TEXUS-53 Mission Stronger than Hypergravity. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4001.	1.8	19
57	A Novel Locus Harboring a Functional CD164 Nonsense Mutation Identified in a Large Danish Family with Nonsyndromic Hearing Impairment. <i>PLoS Genetics</i> , 2015, 11, e1005386.	1.5	18
58	Partial nephrogenic diabetes insipidus caused by a novel AQP2 variation impairing trafficking of the aquaporin-2 water channel. <i>BMC Nephrology</i> , 2015, 16, 217.	0.8	16
59	Next generation sequencing of RNA reveals novel targets of resveratrol with possible implications for Canavan disease. <i>Molecular Genetics and Metabolism</i> , 2019, 126, 64-76.	0.5	16
60	The Novel Ser18del AVP Variant Causes Inherited Neurohypophyseal Diabetes Insipidus by Mechanisms Shared with Other Signal Peptide Variants. <i>Neuroendocrinology</i> , 2018, 106, 167-186.	1.2	14
61	Brain volumetric alterations accompanied with loss of striatal medium-sized spiny neurons and cortical parvalbumin expressing interneurons in <i>Brd1+/-</i> mice. <i>Scientific Reports</i> , 2018, 8, 16486.	1.6	14
62	Efficient Knockdown and Lack of Passenger Strand Activity by Dicer-Independent shRNAs Expressed from Pol II-Driven MicroRNA Scaffolds. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 14, 318-328.	2.3	13
63	Alterations of Growth and Focal Adhesion Molecules in Human Breast Cancer Cells Exposed to the Random Positioning Machine. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 672098.	1.8	13
64	The CellBox-2 Mission to the International Space Station: Thyroid Cancer Cells in Space. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8777.	1.8	13
65	Mutation analysis in mitochondrial fatty acid oxidation defects: Exemplified by acyl-CoA dehydrogenase deficiencies, with special focus on genotype-phenotype relationship. <i>Human Mutation</i> , 2001, 18, 169.	1.1	13
66	Three-Dimensional Growth of Prostate Cancer Cells Exposed to Simulated Microgravity. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 841017.	1.8	12
67	Preparation of A Spaceflight: Apoptosis Search in Sutured Wound Healing Models. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2604.	1.8	11
68	Changes in Exosome Release in Thyroid Cancer Cells after Prolonged Exposure to Real Microgravity in Space. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2132.	1.8	10
69	Associations between the Complement System and Choroidal Neovascularization in Wet Age-Related Macular Degeneration. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9752.	1.8	10
70	CRISPR Gene Therapy of the Eye: Targeted Knockout of Vegfa in Mouse Retina by Lentiviral Delivery. <i>Methods in Molecular Biology</i> , 2019, 1961, 307-328.	0.4	9
71	Changes in Exosomal miRNA Composition in Thyroid Cancer Cells after Prolonged Exposure to Real Microgravity in Space. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12841.	1.8	9
72	Development of Multigenic Lentiviral Vectors for Cell-Specific Expression of Antiangiogenic miRNAs and Protein Factors. <i>Methods in Molecular Biology</i> , 2018, 1715, 47-60.	0.4	8

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73	Growing blood vessels in space: Preparation studies of the SPHEROIDS project using related ground-based studies. <i>Acta Astronautica</i> , 2019, 159, 267-272.	1.7	7
74	VEGFA-targeting miR-agshRNAs combine efficacy with specificity and safety for retinal gene therapy. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 28, 58-76.	2.3	6
75	Characterization of mouse Clpp protease cDNA, gene, and protein. <i>Mammalian Genome</i> , 2000, 11, 275-280.	1.0	5
76	Augmenting cancer cell proteomics with cellular images – A semantic approach to understand focal adhesion. <i>Journal of Biomedical Informatics</i> , 2019, 100, 103320.	2.5	4
77	Latest knowledge about changes in the proteome in microgravity. <i>Expert Review of Proteomics</i> , 2022, 19, 43-59.	1.3	4
78	Characterization of Overexpressed Mutant Proteins in Mammalian Cells. , 2003, 232, 183-202.		3
79	In Prostate Cancer Cells Cytokines Are Early Responders to Gravitational Changes Occurring in Parabolic Flights. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7876.	1.8	3
80	THE TETRAHYMENA HOMOLOG OF BACTERIAL AND MAMMALIAN 4-HYDROXYPHENYLPYRUVATE DIOXYGENASES LOCALIZES TO MEMBRANES OF THE ENDOPLASMIC RETICULUM. <i>Cell Biology International</i> , 1999, 23, 719-728.	1.4	2
81	Subretinal Saline Protects the Neuroretina From Thermic Damage During Laser Induction of Experimental Choroidal Neovascularization in Pigs. <i>Translational Vision Science and Technology</i> , 2021, 10, 29.	1.1	2
82	Simple Autofluorescence-Restrictive Sorting of eGFP+ RPE Cells Allows Reliable Assessment of Targeted Retinal Gene Therapy. <i>Frontiers in Drug Delivery</i> , 2022, 2, .	0.4	2
83	A Novel Synonymous Variant in the AVP Gene Associated with Autosomal Dominant Familial Neurohypophyseal Diabetes Insipidus Causes Partial RNA Missplicing. <i>Neuroendocrinology</i> , 2018, 107, 167-180.	1.2	0
84	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”. <i>Cells</i> , 2020, 9, 1763.	1.8	0
85	CHARACTERIZATION OF MUTANT V2 RECEPTORS ASSOCIATED WITH PARTIAL CONGENITAL NEPHROGENIC DIABETES INSIPIDUS. <i>FASEB Journal</i> , 2008, 22, 748.3.	0.2	0