

Thomas J Corydon

List of Publications by Year in descending order

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85
papers

3,123
citations

136885

32
h-index

189801

50
g-index

87
all docs

87
docs citations

87
times ranked

2932
citing authors

#	ARTICLE	IF	CITATIONS
1	Latest knowledge about changes in the proteome in microgravity. <i>Expert Review of Proteomics</i> , 2022, 19, 43-59.	1.3	4
2	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
3	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
4	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
5	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
6	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
7	Retinal gene therapy: an eye-opener of the 21st century. <i>Gene Therapy</i> , 2021, 28, 209-216.	2.3	21
8	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
9	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
10	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
11	Role of Apoptosis in Wound Healing and Apoptosis Alterations in Microgravity. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 679650.	2.0	40
12	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
13	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
14	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
15	The role of SOX family members in solid tumours and metastasis. <i>Seminars in Cancer Biology</i> , 2020, 67, 122-153.	4.3	238
16	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, 1763.	1.8	0
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	Dexamethasone Inhibits Spheroid Formation of Thyroid Cancer Cells Exposed to Simulated Microgravity. <i>Cells</i> , 2020, 9, 367.	1.8	20

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19	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
20	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
21	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
22	Morphological and Molecular Changes in Juvenile Normal Human Fibroblasts Exposed to Simulated Microgravity. <i>Scientific Reports</i> , 2019, 9, 11882.	1.6	43
23	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
24	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
25	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
26	Fighting Thyroid Cancer with Microgravity Research. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2553.	1.8	36
27	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
28	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
29	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
30	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
31	Short-Term Microgravity Influences Cell Adhesion in Human Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5730.	1.8	28
32	Current knowledge about the impact of microgravity on the proteome. <i>Expert Review of Proteomics</i> , 2019, 16, 5-16.	1.3	24
33	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
34	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
35	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
36	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

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37	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
38	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
39	Brain volumetric alterations accompanied with loss of striatal medium-sized spiny neurons and cortical parvalbumin expressing interneurons in Brd1+/ α^{D} mice. <i>Scientific Reports</i> , 2018, 8, 16486.	1.6	14
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	Preparation of A Spaceflight: Apoptosis Search in Sutured Wound Healing Models. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2604.	1.8	11
50	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
51	Alterations of the cytoskeleton in human cells in space proved by life-cell imaging. <i>Scientific Reports</i> , 2016, 6, 20043.	1.6	93
52	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
53	The impact of microgravity on bone in humans. <i>Bone</i> , 2016, 87, 44-56.	1.4	188
54	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

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55	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
56	Identification of the BRD1 interaction network and its impact on mental disorder risk. <i>Genome Medicine</i> , 2016, 8, 53.	3.6	29
57	Mechanisms of three-dimensional growth of thyroid cells during long-term simulated microgravity. <i>Scientific Reports</i> , 2015, 5, 16691.	1.6	65
58	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
59	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
60	Identification of proteins involved in inhibition of spheroid formation under microgravity. <i>Proteomics</i> , 2015, 15, 2945-2952.	1.3	50
61	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
62	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
63	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
64	Antiangiogenic Eye Gene Therapy. <i>Human Gene Therapy</i> , 2015, 26, 525-537.	1.4	22
65	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
66	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
67	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
68	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
69	Partial nephrogenic diabetes insipidus caused by a novel mutation in the AVPR2 gene. <i>Clinical Endocrinology</i> , 2008, 68, 395-403.	1.2	43
70	CHARACTERIZATION OF MUTANT V2 RECEPTORS ASSOCIATED WITH PARTIAL CONGENITAL NEPHROGENIC DIABETES INSIPIDUS. <i>FASEB Journal</i> , 2008, 22, 748.3.	0.2	0
71	A functional CD86 polymorphism associated with asthma and related allergic disorders. <i>Journal of Medical Genetics</i> , 2007, 44, 509-515.	1.5	23
72	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

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73	Expression of three different mutations in the arginine vasopressin gene suggests genotype-phenotype correlation in familial neurohypophyseal diabetes insipidus kindreds. (Genotype-phenotype) Tj ETQq1 1 0.784314 rgt /Overlook 10 TFS	0.784314	10
74	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
75	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
76	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
77	Characterization of Overexpressed Mutant Proteins in Mammalian Cells. , 2003, 232, 183-202.		3
78	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
79	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
80	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
81	Characterization of mouse Clpp protease cDNA, gene, and protein. <i>Mammalian Genome</i> , 2000, 11, 275-280.	1.0	5
82	Human and mouse mitochondrial orthologs of bacterial ClpX. <i>Mammalian Genome</i> , 2000, 11, 899-905.	1.0	36
83	Clinical and Molecular Evidence of Abnormal Processing and Trafficking of the Vasopressin Prehormone 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
84	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
85	Protein misfolding and degradation in genetic diseases. , 1999, 14, 186-198.		184