Daniela G Grimm

List of Publications by Citations

188 papers	5,331 citations	43 h-index	60 g-index
201 ext. papers	6,259 ext. citations	4.6 avg, IF	5.64 L-index

#	Paper	IF	Citations
188	Simulated microgravity alters differentiation and increases apoptosis in human follicular thyroid carcinoma cells. *FASEB Journal*, **2002**, 16, 604-6	0.9	147
187	The role of SOX family members in solid tumours and metastasis. *Seminars in Cancer Biology*, **2020**, 67, 122-153	12.7	117
186	The impact of microgravity on bone in humans. *Bone*, **2016**, 87, 44-56	4.7	115
185	Simulated microgravity: critical review on the use of random positioning machines for mammalian cell culture. *BioMed Research International*, **2015**, 2015, 971474	3	112
184	Glucose transporter 1 gene expression is related to thyroid neoplasms with an unfavorable prognosis: an immunohistochemical study. *Thyroid*, **2002**, 12, 747-54	6.2	111
183	Blockade of the renin-angiotensin system in cardiac pressure-overload hypertrophy in rats. *Hypertension*, **1995**, 25, 250-9	8.5	95
182	Differential gene expression profile and altered cytokine secretion of thyroid cancer cells in space. *FASEB Journal*, **2014**, 28, 813-35	0.9	94
181	Growing tissues in real and simulated microgravity: new methods for tissue engineering. *Tissue Engineering - Part B: Reviews*, **2014**, 20, 555-66	7.9	91
180	Modeled gravitational unloading induced downregulation of endothelin-1 in human endothelial cells. *Journal of Cellular Biochemistry*, **2007**, 101, 1439-55	4.7	81
179	Differential gene regulation under altered gravity conditions in follicular thyroid cancer cells: relationship between the extracellular matrix and the cytoskeleton. *Cellular Physiology and Biochemistry*, **2011**, 28, 185-98	3.9	80
178	Spheroid formation of human thyroid cancer cells in an automated culturing system during the Shenzhou-8 Space mission. *Biomaterials*, **2013**, 34, 7694-705	15.6	76
177	Simulated weightlessness changes the cytoskeleton and extracellular matrix proteins in papillary thyroid carcinoma cells. *Cell and Tissue Research*, **2006**, 324, 267-77	4.2	74
176	Gravity-sensitive signaling drives 3-dimensional formation of multicellular thyroid cancer spheroids. *FASEB Journal*, **2012**, 26, 5124-40	0.9	73
175	Short-term weightlessness produced by parabolic flight maneuvers altered gene expression patterns in human endothelial cells. *FASEB Journal*, **2012**, 26, 639-55	0.9	71
174	Evidence for a vasopressin system in the rat heart. *Circulation Research*, **1999**, 84, 365-70	15.7	71
173	A delayed type of three-dimensional growth of human endothelial cells under simulated weightlessness. *Tissue Engineering - Part A*, **2009**, 15, 2267-75	3.9	69
172	Effects of PTK787/ZK222584, a tyrosine kinase inhibitor, on the growth of a poorly differentiated thyroid carcinoma: an animal study. *Endocrinology*, **2004**, 145, 1031-8	4.8	69

171	Vascular endothelial growth factor serum level is strongly enhanced after burn injury and correlated with local and general tissue edema. *Burns*, **2004**, 30, 305-11	2.3	67
170	Weightlessness induced apoptosis in normal thyroid cells and papillary thyroid carcinoma cells via extrinsic and intrinsic pathways. *Endocrinology*, **2003**, 144, 4172-9	4.8	65
169	Alterations of the cytoskeleton in human cells in space proved by life-cell imaging. *Scientific Reports* , **2016**, 6, 20043	4.9	65
168	The impact of simulated and real microgravity on bone cells and mesenchymal stem cells. *BioMed Research International*, **2014**, 2014, 928507	3	64
167	Different responsiveness of endothelial cells to vascular endothelial growth factor and basic fibroblast growth factor added to culture media under gravity and simulated microgravity. *Tissue Engineering - Part A*, **2010**, 16, 1559-73	3.9	63
166	Establishment and characterization of the follicular thyroid carcinoma cell line ML-1. *Journal of Molecular Medicine*, **2000**, 78, 102-10	5.5	61
165	Extracellular matrix proteins in cardiac fibroblasts derived from rat hearts with chronic pressure overload: effects of beta-receptor blockade. *Journal of Molecular and Cellular Cardiology*, **2001**, 33, 487-501	5.8	60
164	Characterization of human chondrocytes exposed to simulated microgravity. *Cellular Physiology and Biochemistry*, **2010**, 25, 551-60	3.9	58
163	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
162	Towards human exploration of space: The THESEUS review series on immunology research priorities. *Npj Microgravity*, **2016**, 2, 16040	5.3	56
161	Changes in morphology, gene expression and protein content in chondrocytes cultured on a random positioning machine. *PLoS ONE*, **2013**, 8, e79057	3.7	56
160	Spheroid formation of human thyroid cancer cells under simulated microgravity: a possible role of CTGF and CAV1. *Cell Communication and Signaling*, **2014**, 12, 32	7.5	55
159	A proteomic approach to analysing spheroid formation of two human thyroid cell lines cultured on a random positioning machine. *Proteomics*, **2011**, 11, 2095-104	4.8	55
158	Effects of basic fibroblast growth factor on endothelial cells under conditions of simulated microgravity. *Journal of Cellular Biochemistry*, **2008**, 104, 1324-41	4.7	55
157	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
156	Biomarkers for anti-angiogenic therapy in cancer. *International Journal of Molecular Sciences*, **2013**, 14, 9338-64	6.3	52
155	How and why does the proteome respond to microgravity?. *Expert Review of Proteomics*, **2011**, 8, 13-27	4.2	51
154	Mechanisms of three-dimensional growth of thyroid cells during long-term simulated microgravity. *Scientific Reports*, **2015**, 5, 16691	4.9	49

153	The Impact of Vitamin D in the Treatment of Essential Hypertension. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	48
152	Common Effects on Cancer Cells Exerted by a Random Positioning Machine and a 2D Clinostat. *PLoS ONE*, **2015**, 10, e0135157	3.7	48
151	The impact of altered gravity and vibration on endothelial cells during a parabolic flight. *Cellular Physiology and Biochemistry*, **2013**, 31, 432-51	3.9	46
150	Regulation of extracellular matrix proteins in pressure-overload cardiac hypertrophy: effects of angiotensin converting enzyme inhibition. *Journal of Hypertension*, **1998**, 16, 1345-55	1.9	46
149	Innovative strategies in in vivo apoptosis imaging. *Current Medicinal Chemistry*, **2008**, 15, 187-94	4.3	44
148	Effects and Side Effects of Using Sorafenib and Sunitinib in the Treatment of Metastatic Renal Cell Carcinoma. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	43
147	Application of free-flow IEF to identify protein candidates changing under microgravity conditions. *Proteomics*, **2010**, 10, 904-13	4.8	43
146	Early onset of chondroitin sulfate and osteopontin expression in angiotensin II-dependent left ventricular hypertrophy. *American Journal of Hypertension*, **2002**, 15, 644-52	2.3	43
145	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
144	Identification of proteins involved in inhibition of spheroid formation under microgravity. *Proteomics*, **2015**, 15, 2945-52	4.8	42
143	Low doses of 2,3,7,8-tetrachlorodibenzo- p-dioxin increase transforming growth factor beta and cause myocardial fibrosis in marmosets (Callithrix jacchus). *Archives of Toxicology*, **2002**, 76, 360-6	5.8	42
142	Tissue Engineering Under Microgravity Conditions-Use of Stem Cells and Specialized Cells. *Stem Cells and Development*, **2018**, 27, 787-804	4.4	41
141	Anti-vascular endothelial growth factor therapy in breast cancer. *International Journal of Molecular Sciences*, **2014**, 15, 23024-41	6.3	41
140	Expression of vascular endothelial growth factor and receptor tyrosine kinases in cardiac ischemia/reperfusion injury. *Cardiovascular Pathology*, **2007**, 16, 291-9	3.8	40
139	The Adverse Effect of Hypertension in the Treatment of Thyroid Cancer with Multi-Kinase Inhibitors. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	39
138	Blockade of neoangiogenesis, a new and promising technique to control the growth of malignant tumors and their metastases. *Current Vascular Pharmacology*, **2009**, 7, 347-57	3.3	39
137	Increase of fibronectin and osteopontin in porcine hearts following ischemia and reperfusion. *Journal of Molecular Medicine*, **2005**, 83, 626-37	5.5	39
136	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

135	Real Microgravity Influences the Cytoskeleton and Focal Adhesions in Human Breast Cancer Cells. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	37
134	Genomic approach to identify factors that drive the formation of three-dimensional structures by EA.hy926 endothelial cells. *PLoS ONE*, **2013**, 8, e64402	3.7	37
133	Free-flow isoelectric focusing of proteins remaining in cell fragments following sonication of thyroid carcinoma cells. *Electrophoresis*, **2005**, 26, 2109-16	3.6	37
132	Experimental diabetes and left ventricular hypertrophy: effects of beta-receptor blockade. *Cardiovascular Pathology*, **2002**, 11, 229-37	3.8	37
131	Gravireceptors in eukaryotes-a comparison of case studies on the cellular level. *Npj Microgravity*, **2017**, 3, 13	5.3	35
130	The Effects of Oral l-Arginine and l-Citrulline Supplementation on Blood Pressure. *Nutrients*, **2019**, 11,	6.7	34
129	The impact of microgravity-based proteomics research. *Expert Review of Proteomics*, **2014**, 11, 465-76	4.2	34
128	Vascular endothelial growth factor induces extracellular matrix proteins and osteopontin in the umbilical artery. *Annals of Vascular Surgery*, **2008**, 22, 273-84	1.7	34
127	Decreased E-Cadherin in MCF7 Human Breast Cancer Cells Forming Multicellular Spheroids Exposed to Simulated Microgravity. *Proteomics*, **2018**, 18, e1800015	4.8	34
126	Target-based anti-angiogenic therapy in breast cancer. *Current Pharmaceutical Design*, **2012**, 18, 4244-57	3.3	32
125	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
124	Endothelin Receptor Antagonists: Status Quo and Future Perspectives for Targeted Therapy. *Journal of Clinical Medicine*, **2020**, 9,	5.1	31
123	The Vasoactive Mas Receptor in Essential Hypertension. *Journal of Clinical Medicine*, **2020**, 9,	5.1	30
122	Key Proteins Involved in Spheroid Formation and Angiogenesis in Endothelial Cells After Long-Term Exposure to Simulated Microgravity. *Cellular Physiology and Biochemistry*, **2018**, 45, 429-445	3.9	30
121	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
120	Development of overt proteinuria in the Munich Wistar Frömter rat is suppressed by replacement of chromosome 6 in a consomic rat strain. *Journal of the American Society of Nephrology: JASN*, **2007**, 18, 113-21	12.7	30
119	Effects and Role of Multikinase Inhibitors in Thyroid Cancer. *Current Pharmaceutical Design*, **2016**, 22, 5915-5926	3.3	30
118	Scaffold-free Tissue Formation Under Real and Simulated Microgravity Conditions. *Basic and Clinical Pharmacology and Toxicology*, **2016**, 119 Suppl 3, 26-33	3.1	30

117	Proteomic differences between microvascular endothelial cells and the EA.hy926 cell line forming three-dimensional structures. *Proteomics*, **2014**, 14, 689-98	4.8	29
116	Interaction of proteins identified in human thyroid cells. *International Journal of Molecular Sciences*, **2013**, 14, 1164-78	6.3	29
115	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
114	Free-flow electrophoresis in proteome sample preparation. *Proteomics*, **2014**, 14, 629-36	4.8	27
113	Effects of beta-receptor blockade and angiotensin II type I receptor antagonism in isoproterenol-induced heart failure in the rat. *Cardiovascular Pathology*, **1999**, 8, 315-23	3.8	27
112	Intraluminal application of vascular endothelial growth factor enhances healing of microvascular anastomosis in a rat model. *Journal of Vascular Research*, **2005**, 42, 202-13	1.9	26
111	Multikinase Inhibitor Treatment in Thyroid Cancer. *International Journal of Molecular Sciences*, **2019**, 21,	6.3	26
110	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
109	Bioactive Candy: Effects of Licorice on the Cardiovascular System. *Foods*, **2019**, 8,	4.9	25
108	Interleukin-6 expression under gravitational stress due to vibration and hypergravity in follicular thyroid cancer cells. *PLoS ONE*, **2013**, 8, e68140	3.7	25
107	Application of binary buffer systems to free flow cell electrophoresis. *Electrophoresis*, **2000**, 21, 325-8	3.6	25
106	Proteome Analysis of Human Follicular Thyroid Cancer Cells Exposed to the Random Positioning Machine. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	24
105	Mechanisms of apoptosis in irradiated and sunitinib-treated follicular thyroid cancer cells. *Apoptosis: an International Journal on Programmed Cell Death*, **2014**, 19, 480-90	5.4	23
104	Metabolic enzyme diversity in different human thyroid cell lines and their sensitivity to gravitational forces. *Proteomics*, **2012**, 12, 2539-46	4.8	23
103	Drugs interfering with apoptosis in breast cancer. *Current Pharmaceutical Design*, **2011**, 17, 272-83	3.3	23
102	Characteristics of multicellular spheroids formed by primary cultures of human thyroid tumor cells. *Thyroid*, **1997**, 7, 859-65	6.2	23
101	Third-generation beta-adrenoceptor antagonists in the treatment of hypertension and heart failure. *Basic and Clinical Pharmacology and Toxicology*, **2015**, 117, 5-14	3.1	22
100	Photodynamic treatment of Chaoborus crystallinus larvae with chlorophyllin induces necrosis and apoptosis. *Photochemistry and Photobiology*, **2011**, 87, 1113-22	3.6	22

99	The effects of newer beta-adrenoceptor antagonists on vascular function in cardiovascular disease. *Current Vascular Pharmacology*, **2012**, 10, 378-90	3.3	22
98	LCZ696 (Valsartan/Sacubitril)--A Possible New Treatment for Hypertension and Heart Failure. *Basic and Clinical Pharmacology and Toxicology*, **2016**, 118, 14-22	3.1	22
97	Fighting Thyroid Cancer with Microgravity Research. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	21
96	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
95	Pazopanib, Cabozantinib, and Vandetanib in the Treatment of Progressive Medullary Thyroid Cancer with a Special Focus on the Adverse Effects on Hypertension. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	21
94	Drug-Induced Hypertension Caused by Multikinase Inhibitors (Sorafenib, Sunitinib, Lenvatinib and Axitinib) in Renal Cell Carcinoma Treatment. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	20
93	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
92	Human follicular and papillary thyroid carcinoma cells interact differently with human venous endothelial cells. *Thyroid*, **1995**, 5, 155-64	6.2	20
91	Current and Future Treatments for Persistent Pulmonary Hypertension in the Newborn. *Basic and Clinical Pharmacology and Toxicology*, **2018**, 123, 392-406	3.1	20
90	Morphological and Molecular Changes in Juvenile Normal Human Fibroblasts Exposed to Simulated Microgravity. *Scientific Reports*, **2019**, 9, 11882	4.9	19
89	Radiolabeled annexin V for imaging apoptosis in radiated human follicular thyroid carcinomas--is an individualized protocol necessary?. *Nuclear Medicine and Biology*, **2009**, 36, 89-98	2.1	19
88	Semantic Analysis of Posttranslational Modification of Proteins Accumulated in Thyroid Cancer Cells Exposed to Simulated Microgravity. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	18
87	Meniscus and discus lesions of triangular fibrocartilage complex (TFCC): treatment by laser-assisted wrist arthroscopy. *Journal of Plastic, Reconstructive and Aesthetic Surgery*, **2009**, 62, 466-71	1.7	18
86	Potential Beneficial Effects of Vitamin D in Coronary Artery Disease. *Nutrients*, **2019**, 12,	6.7	18
85	Short-Term Microgravity Influences Cell Adhesion in Human Breast Cancer Cells. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	18
84	Thyroid Cells Exposed to Simulated Microgravity Conditions Comparison of the Fast Rotating Clinostat and the Random Positioning Machine. *Microgravity Science and Technology*, **2016**, 28, 247-260	1.6	17
83	Simulated Microgravity Influences VEGF, MAPK, and PAM Signaling in Prostate Cancer Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	16
82	Thyroid cancer cells in space during the TEXUS-53 sounding rocket mission - The THYROID Project. *Scientific Reports*, **2018**, 8, 10355	4.9	16

81	Impact of sunitinib on human thyroid cancer cells. *Cellular Physiology and Biochemistry*, **2013**, 32, 154-70	3.9	16
80	Proteome Analysis of Thyroid Cancer Cells After Long-Term Exposure to a Random Positioning Machine. *Microgravity Science and Technology*, **2011**, 23, 381-390	1.6	16
79	Latest Results for Anti-Angiogenic Drugs in Cancer Treatment. *Current Pharmaceutical Design*, **2016**, 22, 5927-5942	3.3	16
78	The prostacyclin analogue treprostinil in the treatment of pulmonary arterial hypertension. *Basic and Clinical Pharmacology and Toxicology*, **2019**, 126, 32	3.1	16
77	Microgravity Affects Thyroid Cancer Cells during the TEXUS-53 Mission Stronger than Hypergravity. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	16
76	Ivabradine: Current and Future Treatment of Heart Failure. *Basic and Clinical Pharmacology and Toxicology*, **2017**, 121, 89-97	3.1	15
75	Hypertension Caused by Lenvatinib and Everolimus in the Treatment of Metastatic Renal Cell Carcinoma. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	15
74	A Focus on Macitentan in the Treatment of Pulmonary Arterial Hypertension. *Basic and Clinical Pharmacology and Toxicology*, **2018**, 123, 103-113	3.1	15
73	Cytokine Release and Focal Adhesion Proteins in Normal Thyroid Cells Cultured on the Random Positioning Machine. *Cellular Physiology and Biochemistry*, **2017**, 43, 257-270	3.9	15
72	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
71	Nebivolol in the treatment of arterial hypertension. *Basic and Clinical Pharmacology and Toxicology*, **2019**, 125, 189-201	3.1	14
70	The Combination of Valsartan and Sacubitril in the Treatment of Hypertension and Heart Failure - an Update. *Basic and Clinical Pharmacology and Toxicology*, **2018**, 122, 9-18	3.1	13
69	Annotated Gene and Proteome Data Support Recognition of Interconnections Between the Results of Different Experiments in Space Research. *Microgravity Science and Technology*, **2016**, 28, 357-365	1.6	13
68	Genetic low nephron number hypertension is associated with dysregulation of the hepatic and renal insulin-like growth factor system during nephrogenesis. *Journal of Hypertension*, **2006**, 24, 1857-64	1.9	13
67	Protective effect of female gender on the development of albuminuria in a polygenetic rat model is enhanced further by replacement of a major autosomal QTL. *Clinical Science*, **2008**, 114, 305-11	6.5	12
66	Establishment and characterization of a human papillary thyroid carcinoma cell line with oxyphilic differentiation (ONCO-DG 1). *Vigiliae Christianae*, **1992**, 62, 97-104	0.2	12
65	Current knowledge about the impact of microgravity on the proteome. *Expert Review of Proteomics*, **2019**, 16, 5-16	4.2	12
64	Changes of apoptosis, p53, and bcl-2 by irradiation in poorly differentiated thyroid carcinoma cell lines: a prognostic marker for the prospect of therapeutic success?. *Thyroid*, **2010**, 20, 159-66	6.2	11

63	Tyrosine Kinase Inhibitor-Induced Hypertension: Role of Hypertension as a Biomarker in Cancer Treatment. *Current Vascular Pharmacology*, **2019**, 17, 618-634	3.3	11
62	Effects of indapamide in rats with pressure overload left ventricular hypertrophy. *Journal of Cardiovascular Pharmacology*, **2000**, 36, 481-6	3.1	11
61	Role of Apoptosis in Wound Healing and Apoptosis Alterations in Microgravity. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 679650	5.8	11
60	Cell separation by countercurrent centrifugal elutriation: recent developments. *Preparative Biochemistry and Biotechnology*, **2012**, 42, 217-33	2.4	10
59	Semantic analysis of thyroid cancer cell proteins obtained from rare research opportunities. *Journal of Biomedical Informatics*, **2017**, 76, 138-153	10.2	9
58	Tissue Engineering of Cartilage on Ground-Based Facilities. *Microgravity Science and Technology*, **2016**, 28, 237-245	1.6	9
57	Gene networks modified by sulphonylureas in beta cells: a pathway-based analysis of insulin secretion and cell death. *Basic and Clinical Pharmacology and Toxicology*, **2012**, 111, 254-61	3.1	9
56	The use of sigmoid pH gradients in free-flow isoelectric focusing of human endothelial cell proteins. *Electrophoresis*, **2012**, 33, 1349-55	3.6	9
55	The use of the random positioning machine for the study of gravitational effects on signal transduction in mammalian cells. *Signal Transduction*, **2006**, 6, 388-396		9
54	Effects of simulated microgravity on thyroid carcinoma cells. *Journal of Gravitational Physiology: A Journal of the International Society for Gravitational Physiology*, **2002**, 9, P253-6		9
53	Azilsartan Medoxomil, an Angiotensin II Receptor Antagonist for the Treatment of Hypertension. *Basic and Clinical Pharmacology and Toxicology*, **2017**, 121, 225-233	3.1	8
52	A focus on riociguat in the treatment of pulmonary arterial hypertension. *Basic and Clinical Pharmacology and Toxicology*, **2019**, 125, 202-214	3.1	8
51	Exploration of space to achieve scientific breakthroughs. *Biotechnology Advances*, **2020**, 43, 107572	17.8	8
50	Dexamethasone Inhibits Spheroid Formation of Thyroid Cancer Cells Exposed to Simulated Microgravity. *Cells*, **2020**, 9,	7.9	8
49	The impact of vascular endothelial growth factor and basic fibroblast growth factor on cardiac fibroblasts grown under altered gravity conditions. *Cellular Physiology and Biochemistry*, **2010**, 26, 1011-22	3.9	8
48	Rat chromosome 19 transfer from SHR ameliorates hypertension, salt-sensitivity, cardiovascular and renal organ damage in salt-sensitive Dahl rats. *Journal of Hypertension*, **2007**, 25, 95-102	1.9	8
47	Techniques for studies on growth characteristics of human prostatic cancer cells. *Biotechnology Progress*, **1992**, 8, 494-500	2.8	8
46	Breast Cancer Cells in Microgravity: New Aspects for Cancer Research. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	8

45	Tissue Engineering of Cartilage Using a Random Positioning Machine. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	7
44	Proliferation of tumor spheroids after shock-wave treatment. *Journal of Cancer Research and Clinical Oncology*, **1994**, 120, 438-41	4.9	7
43	The Cardiovascular System in Space: Focus on In Vivo and In Vitro Studies.. *Biomedicines*, **2021**, 10,	4.8	7
42	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
41	An evaluation of the fixed-dose combination sacubitril/valsartan for the treatment of arterial hypertension. *Expert Opinion on Pharmacotherapy*, **2020**, 21, 1133-1143	4	6
40	Searching the literature for proteins facilitates the identification of biological processes, if advanced methods of analysis are linked: a case study on microgravity-caused changes in cells. *Expert Review of Proteomics*, **2016**, 13, 697-705	4.2	6
39	Longterm conditions of mimicked weightlessness influences the cytoskeleton in thyroid cells. *Journal of Gravitational Physiology: A Journal of the International Society for Gravitational Physiology* , **2004**, 11, P169-72		6
38	Preparation of A Spaceflight: Apoptosis Search in Sutured Wound Healing Models. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	5
37	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
36	The Fight against Cancer by Microgravity: The Multicellular Spheroid as a Metastasis Model.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	5
35	Cancer Studies under Space Conditions: Finding Answers Abroad.. *Biomedicines*, **2021**, 10,	4.8	5
34	Insight in Adhesion Protein Sialylation and Microgravity Dependent Cell Adhesion-An Omics Network Approach. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	4
33	The Impact of Hypergravity and Vibration on Gene and Protein Expression of Thyroid Cells. *Microgravity Science and Technology*, **2016**, 28, 261-274	1.6	4
32	Pathway Analysis Hints Towards Beneficial Effects of Long-Term Vibration on Human Chondrocytes. *Cellular Physiology and Biochemistry*, **2018**, 47, 1729-1741	3.9	4
31	Functional effects of acute coronary occlusion and catecholinergic stimuli on the isolated normothermic hemoperfused porcine heart. *Clinical and Experimental Hypertension*, **2003**, 25, 235-55	2.2	4
30	Effects of aortic stenosis on renal renin, angiotensin receptor, endothelin and NOS gene expression in rats. *American Journal of Nephrology*, **2002**, 22, 84-9	4.6	4
29	Effects of growth hormone on renal renin gene expression in normal rats and rats with myocardial infarction. *Nephrology Dialysis Transplantation*, **2000**, 15, 786-90	4.3	4
28	Anti-Angiogenic Drugs in the Treatment of Metastatic Renal Cell Carcinoma: Advances in Clinical Application. *Current Vascular Pharmacology*, **2015**, 13, 381-91	3.3	4

27	Microgravity-based Modulation of VEGF Expression in Human Thyroid Carcinoma Cells. *Frontiers in Physiology*,9,	4.6	4
26	SARS-CoV-2 and hypertension. *Physiological Reports*, **2021**, 9, e14800	2.6	4
25	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
24	Simulated microgravity induces programmed cell death in human thyroid carcinoma cells. *Journal of Gravitational Physiology: A Journal of the International Society for Gravitational Physiology*, **2002**, 9, P295-6		4
23	Three-Dimensional Growth of Prostate Cancer Cells Exposed to Simulated Microgravity.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 841017	5.7	4
22	A Special Focus on Selexipag - Treatment of Pulmonary Arterial Hypertension. *Current Pharmaceutical Design*, **2017**, 23, 5191-5199	3.3	3
21	Augmenting cancer cell proteomics with cellular images - A semantic approach to understand focal adhesion. *Journal of Biomedical Informatics*, **2019**, 100, 103320	10.2	3
20	Surgical and medical management of rare echinococcosis of the extremities: pre- and post-operative long-term chemotherapy. *Scandinavian Journal of Infectious Diseases*, **2005**, 37, 954-7		3
19	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
18	The Effect of Continuous Positive Airway Pressure Therapy on Obstructive Sleep Apnea-Related Hypertension. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
17	Current Knowledge about the New Drug Firibastat in Arterial Hypertension.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	2
16	Tissue Engineering in Microgravity. *SpringerBriefs in Space Life Sciences*, **2017**, 73-85	0.4	2
15	Preparative enrichment of human tissue cells capable to change a site of growth in vitro or in vivo - Recent developments. *Preparative Biochemistry and Biotechnology*, **2018**, 48, 954-960	2.4	2
14	The CellBox-2 Mission to the International Space Station: Thyroid Cancer Cells in Space. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
13	What can biofabrication do for space and what can space do for biofabrication?. *Trends in Biotechnology*, **2021**,	15.1	2
12	Vascular endothelial growth factor inhibits programmed cell death of endothelial cells induced by clinorotation. *Journal of Gravitational Physiology: A Journal of the International Society for Gravitational Physiology*, **2004**, 11, P199-200		2
11	Cancer Research in Space. *SpringerBriefs in Space Life Sciences*, **2017**, 87-106	0.4	1
10	Beneficial Effects of Low Frequency Vibration on Human Chondrocytes in Vitro. *Cellular Physiology and Biochemistry*, **2019**, 53, 623-637	3.9	1

9	Cell Biology in Space. *SpringerBriefs in Space Life Sciences*, **2017**, 59-72	0.4	1
8	Interaction Network Provides Clues on the Role of BCAR1 in Cellular Response to Changes in Gravity. *Computation*, **2021**, 9, 81	2.2	0
7	Biotechnologische Nutzung der Schwerelosigkeit f□ medizinische Forschung - Analyse humaner Zellen nach Schwerelosigkeit. *Flugmedizin □Tropenmedizin □Reisemedizin - FTR*, **2013**, 20, 173-178	0.1	
6	Le facteur de croissance vasculaire endoth□ale induit les prot□nes de la matrice extracellulaire et l'ost□pontine dans l'art□e ombilicale. *Annales De Chirurgie Vasculaire*, **2008**, 22, 296-308		
5	El factor de crecimiento endotelial vascular induce prote□as de matriz extracelular y osteopontina en la arteria umbilical. *Annals of Vascular Surgery*, **2008**, 22, 296-308		
4	Successful microsurgical primary replantation of an amputated cheek. *Acta Oto-Laryngologica*, **2006**, 126, 432-4	1.6	
3	Apoptosis in cardiac myocytes - Role of the renin-angiotensin-system **2000**, 317-327		
2	Biotechnology, Cell Biology and Microgravity. *SpringerBriefs in Space Life Sciences*, **2017**, 1-10	0.4	
1	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	