

Manfred Infanger

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.

109
papers

3,289
citations

36
h-index

51
g-index

111
ext. papers

3,875
ext. citations

4.8
avg, IF

5.16
L-index

#	Paper	IF	Citations
109	The role of SOX family members in solid tumours and metastasis. <i>Seminars in Cancer Biology</i> , 2020 , 67, 122-153	12.7	117
108	Differential gene expression profile and altered cytokine secretion of thyroid cancer cells in space. <i>FASEB Journal</i> , 2014 , 28, 813-35	0.9	94
107	Growing tissues in real and simulated microgravity: new methods for tissue engineering. <i>Tissue Engineering - Part B: Reviews</i> , 2014 , 20, 555-66	7.9	91
106	Modeled gravitational unloading induced downregulation of endothelin-1 in human endothelial cells. <i>Journal of Cellular Biochemistry</i> , 2007 , 101, 1439-55	4.7	81
105	Differential gene regulation under altered gravity conditions in follicular thyroid cancer cells: relationship between the extracellular matrix and the cytoskeleton. <i>Cellular Physiology and Biochemistry</i> , 2011 , 28, 185-98	3.9	80
104	Spheroid formation of human thyroid cancer cells in an automated culturing system during the Shenzhou-8 Space mission. <i>Biomaterials</i> , 2013 , 34, 7694-705	15.6	76
103	Simulated weightlessness changes the cytoskeleton and extracellular matrix proteins in papillary thyroid carcinoma cells. <i>Cell and Tissue Research</i> , 2006 , 324, 267-77	4.2	74
102	Gravity-sensitive signaling drives 3-dimensional formation of multicellular thyroid cancer spheroids. <i>FASEB Journal</i> , 2012 , 26, 5124-40	0.9	73
101	Short-term weightlessness produced by parabolic flight maneuvers altered gene expression patterns in human endothelial cells. <i>FASEB Journal</i> , 2012 , 26, 639-55	0.9	71
100	A delayed type of three-dimensional growth of human endothelial cells under simulated weightlessness. <i>Tissue Engineering - Part A</i> , 2009 , 15, 2267-75	3.9	69
99	Effects of PTK787/ZK222584, a tyrosine kinase inhibitor, on the growth of a poorly differentiated thyroid carcinoma: an animal study. <i>Endocrinology</i> , 2004 , 145, 1031-8	4.8	69
98	Vascular endothelial growth factor serum level is strongly enhanced after burn injury and correlated with local and general tissue edema. <i>Burns</i> , 2004 , 30, 305-11	2.3	67
97	Weightlessness induced apoptosis in normal thyroid cells and papillary thyroid carcinoma cells via extrinsic and intrinsic pathways. <i>Endocrinology</i> , 2003 , 144, 4172-9	4.8	65
96	The impact of simulated and real microgravity on bone cells and mesenchymal stem cells. <i>BioMed Research International</i> , 2014 , 2014, 928507	3	64
95	Different responsiveness of endothelial cells to vascular endothelial growth factor and basic fibroblast growth factor added to culture media under gravity and simulated microgravity. <i>Tissue Engineering - Part A</i> , 2010 , 16, 1559-73	3.9	63
94	Characterization of human chondrocytes exposed to simulated microgravity. <i>Cellular Physiology and Biochemistry</i> , 2010 , 25, 551-60	3.9	58
93	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. <i>FASEB Journal</i> , 2015 , 29, 2303-14	0.9	57

92	Changes in morphology, gene expression and protein content in chondrocytes cultured on a random positioning machine. <i>PLoS ONE</i> , 2013 , 8, e79057	3.7	56
91	Spheroid formation of human thyroid cancer cells under simulated microgravity: a possible role of CTGF and CAV1. <i>Cell Communication and Signaling</i> , 2014 , 12, 32	7.5	55
90	A proteomic approach to analysing spheroid formation of two human thyroid cell lines cultured on a random positioning machine. <i>Proteomics</i> , 2011 , 11, 2095-104	4.8	55
89	Effects of basic fibroblast growth factor on endothelial cells under conditions of simulated microgravity. <i>Journal of Cellular Biochemistry</i> , 2008 , 104, 1324-41	4.7	55
88	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	4.9	54
87	Biomarkers for anti-angiogenic therapy in cancer. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 9338-64	6.3	52
86	Strongly enhanced serum levels of vascular endothelial growth factor (VEGF) after polytrauma and burn. <i>Clinical Chemistry and Laboratory Medicine</i> , 1998 , 36, 379-83	5.9	50
85	Mechanisms of three-dimensional growth of thyroid cells during long-term simulated microgravity. <i>Scientific Reports</i> , 2015 , 5, 16691	4.9	49
84	Common Effects on Cancer Cells Exerted by a Random Positioning Machine and a 2D Clinostat. <i>PLoS ONE</i> , 2015 , 10, e0135157	3.7	48
83	The impact of altered gravity and vibration on endothelial cells during a parabolic flight. <i>Cellular Physiology and Biochemistry</i> , 2013 , 31, 432-51	3.9	46
82	Application of free-flow IEF to identify protein candidates changing under microgravity conditions. <i>Proteomics</i> , 2010 , 10, 904-13	4.8	43
81	Identification of proteins involved in inhibition of spheroid formation under microgravity. <i>Proteomics</i> , 2015 , 15, 2945-52	4.8	42
80	Tissue Engineering Under Microgravity Conditions-Use of Stem Cells and Specialized Cells. <i>Stem Cells and Development</i> , 2018 , 27, 787-804	4.4	41
79	Expression of vascular endothelial growth factor and receptor tyrosine kinases in cardiac ischemia/reperfusion injury. <i>Cardiovascular Pathology</i> , 2007 , 16, 291-9	3.8	40
78	The Adverse Effect of Hypertension in the Treatment of Thyroid Cancer with Multi-Kinase Inhibitors. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	39
77	Increase of fibronectin and osteopontin in porcine hearts following ischemia and reperfusion. <i>Journal of Molecular Medicine</i> , 2005 , 83, 626-37	5.5	39
76	The role of NFB in spheroid formation of human breast cancer cells cultured on the Random Positioning Machine. <i>Scientific Reports</i> , 2018 , 8, 921	4.9	37
75	Real Microgravity Influences the Cytoskeleton and Focal Adhesions in Human Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	37

74	Genomic approach to identify factors that drive the formation of three-dimensional structures by EA.hy926 endothelial cells. <i>PLoS ONE</i> , 2013 , 8, e64402	3.7	37
73	The Effects of Oral L-Arginine and L-Citrulline Supplementation on Blood Pressure. <i>Nutrients</i> , 2019 , 11,	6.7	34
72	Vascular endothelial growth factor induces extracellular matrix proteins and osteopontin in the umbilical artery. <i>Annals of Vascular Surgery</i> , 2008 , 22, 273-84	1.7	34
71	Decreased E-Cadherin in MCF7 Human Breast Cancer Cells Forming Multicellular Spheroids Exposed to Simulated Microgravity. <i>Proteomics</i> , 2018 , 18, e1800015	4.8	34
70	Target-based anti-angiogenic therapy in breast cancer. <i>Current Pharmaceutical Design</i> , 2012 , 18, 4244-573.3		32
69	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	15.6	31
68	Endothelin Receptor Antagonists: Status Quo and Future Perspectives for Targeted Therapy. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	31
67	The Vasoactive Mas Receptor in Essential Hypertension. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	30
66	Key Proteins Involved in Spheroid Formation and Angiogenesis in Endothelial Cells After Long-Term Exposure to Simulated Microgravity. <i>Cellular Physiology and Biochemistry</i> , 2018 , 45, 429-445	3.9	30
65	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, 28296-310	6.3	30
64	Effects and Role of Multikinase Inhibitors in Thyroid Cancer. <i>Current Pharmaceutical Design</i> , 2016 , 22, 5915-5926	3.3	30
63	Scaffold-free Tissue Formation Under Real and Simulated Microgravity Conditions. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2016 , 119 Suppl 3, 26-33	3.1	30
62	Proteomic differences between microvascular endothelial cells and the EA.hy926 cell line forming three-dimensional structures. <i>Proteomics</i> , 2014 , 14, 689-98	4.8	29
61	Interaction of proteins identified in human thyroid cells. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 1164-78	6.3	29
60	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	6.3	28
59	Intraluminal application of vascular endothelial growth factor enhances healing of microvascular anastomosis in a rat model. <i>Journal of Vascular Research</i> , 2005 , 42, 202-13	1.9	26
58	Multikinase Inhibitor Treatment in Thyroid Cancer. <i>International Journal of Molecular Sciences</i> , 2019 , 21,	6.3	26
57	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	7.5	25

56	Bioactive Candy: Effects of Licorice on the Cardiovascular System. <i>Foods</i> , 2019 , 8,	4.9	25
55	Interleukin-6 expression under gravitational stress due to vibration and hypergravity in follicular thyroid cancer cells. <i>PLoS ONE</i> , 2013 , 8, e68140	3.7	25
54	Proteome Analysis of Human Follicular Thyroid Cancer Cells Exposed to the Random Positioning Machine. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	24
53	Metabolic enzyme diversity in different human thyroid cell lines and their sensitivity to gravitational forces. <i>Proteomics</i> , 2012 , 12, 2539-46	4.8	23
52	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	3.9	23
51	The effects of newer beta-adrenoceptor antagonists on vascular function in cardiovascular disease. <i>Current Vascular Pharmacology</i> , 2012 , 10, 378-90	3.3	22
50	Fighting Thyroid Cancer with Microgravity Research. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	21
49	Drug-Induced Hypertension Caused by Multikinase Inhibitors (Sorafenib, Sunitinib, Lenvatinib and Axitinib) in Renal Cell Carcinoma Treatment. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	20
48	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,	6.3	20
47	Morphological and Molecular Changes in Juvenile Normal Human Fibroblasts Exposed to Simulated Microgravity. <i>Scientific Reports</i> , 2019 , 9, 11882	4.9	19
46	Radiolabeled annexin V for imaging apoptosis in radiated human follicular thyroid carcinomas--is an individualized protocol necessary?. <i>Nuclear Medicine and Biology</i> , 2009 , 36, 89-98	2.1	19
45	Semantic Analysis of Posttranslational Modification of Proteins Accumulated in Thyroid Cancer Cells Exposed to Simulated Microgravity. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	18
44	Potential Beneficial Effects of Vitamin D in Coronary Artery Disease. <i>Nutrients</i> , 2019 , 12,	6.7	18
43	Short-Term Microgravity Influences Cell Adhesion in Human Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	18
42	Thyroid Cells Exposed to Simulated Microgravity Conditions [Comparison of the Fast Rotating Clinostat and the Random Positioning Machine. <i>Microgravity Science and Technology</i> , 2016 , 28, 247-260	1.6	17
41	Simulated Microgravity Influences VEGF, MAPK, and PAM Signaling in Prostate Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	16
40	Thyroid cancer cells in space during the TEXUS-53 sounding rocket mission - The THYROID Project. <i>Scientific Reports</i> , 2018 , 8, 10355	4.9	16
39	Impact of sunitinib on human thyroid cancer cells. <i>Cellular Physiology and Biochemistry</i> , 2013 , 32, 154-70	3.9	16

38	Proteome Analysis of Thyroid Cancer Cells After Long-Term Exposure to a Random Positioning Machine. <i>Microgravity Science and Technology</i> , 2011 , 23, 381-390	1.6	16
37	The prostacyclin analogue treprostinil in the treatment of pulmonary arterial hypertension. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2019 , 126, 32	3.1	16
36	Microgravity Affects Thyroid Cancer Cells during the TEXUS-53 Mission Stronger than Hypergravity. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	16
35	Hypertension Caused by Lenvatinib and Everolimus in the Treatment of Metastatic Renal Cell Carcinoma. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	15
34	Cytokine Release and Focal Adhesion Proteins in Normal Thyroid Cells Cultured on the Random Positioning Machine. <i>Cellular Physiology and Biochemistry</i> , 2017 , 43, 257-270	3.9	15
33	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,	6.3	15
32	Nebivolol in the treatment of arterial hypertension. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2019 , 125, 189-201	3.1	14
31	Spheroid formation and modulation of tenocyte-specific gene expression under simulated microgravity. <i>Muscles, Ligaments and Tendons Journal</i> , 2017 , 7, 411-417	1.9	12
30	Current knowledge about the impact of microgravity on the proteome. <i>Expert Review of Proteomics</i> , 2019 , 16, 5-16	4.2	12
29	Role of Apoptosis in Wound Healing and Apoptosis Alterations in Microgravity. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 679650	5.8	11
28	The use of sigmoid pH gradients in free-flow isoelectric focusing of human endothelial cell proteins. <i>Electrophoresis</i> , 2012 , 33, 1349-55	3.6	9
27	The use of the random positioning machine for the study of gravitational effects on signal transduction in mammalian cells. <i>Signal Transduction</i> , 2006 , 6, 388-396		9
26	A focus on riociguat in the treatment of pulmonary arterial hypertension. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2019 , 125, 202-214	3.1	8
25	Dexamethasone Inhibits Spheroid Formation of Thyroid Cancer Cells Exposed to Simulated Microgravity. <i>Cells</i> , 2020 , 9,	7.9	8
24	Breast Cancer Cells in Microgravity: New Aspects for Cancer Research. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
23	The Role of C-X-C Chemokine Receptor Type 4 (CXCR4) in Cell Adherence and Spheroid Formation of Human Ewing's Sarcoma Cells under Simulated Microgravity. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
22	Tissue Engineering of Cartilage Using a Random Positioning Machine. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
21	Electrical Nerve Stimulation Enhances Perilesional Branching after Nerve Grafting but Fails to Increase Regeneration Speed in a Murine Model. <i>Journal of Reconstructive Microsurgery</i> , 2016 , 32, 491-7	2.5	7

20	Growing blood vessels in space: Preparation studies of the SPHEROIDS project using related ground-based studies. <i>Acta Astronautica</i> , 2019 , 159, 267-272	2.9	6
19	A case of upper lip necrosis after cosmetic injection of hyaluronic acid soft-tissue filler-Does capillary infarction play a role in the development of vascular compromise, and what are the implications?. <i>Journal of Cosmetic Dermatology</i> , 2020 , 19, 1316-1320	2.5	6
18	Preparation of A Spaceflight: Apoptosis Search in Sutured Wound Healing Models. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	5
17	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	5.7	5
16	The Fight against Cancer by Microgravity: The Multicellular Spheroid as a Metastasis Model.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	5
15	Cancer Studies under Space Conditions: Finding Answers Abroad.. <i>Biomedicines</i> , 2021 , 10,	4.8	5
14	Insight in Adhesion Protein Sialylation and Microgravity Dependent Cell Adhesion-An Omics Network Approach. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
13	Pathway Analysis Hints Towards Beneficial Effects of Long-Term Vibration on Human Chondrocytes. <i>Cellular Physiology and Biochemistry</i> , 2018 , 47, 1729-1741	3.9	4
12	A 10-Year Retrospective before-and-after Study of Lipedema Surgery: Patient-Reported Lipedema-Associated Symptom Improvement after Multistage Liposuction.. <i>Plastic and Reconstructive Surgery</i> , 2022 , 149,	2.7	4
11	SARS-CoV-2 and hypertension. <i>Physiological Reports</i> , 2021 , 9, e14800	2.6	4
10	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,	6.3	4
9	Three-Dimensional Growth of Prostate Cancer Cells Exposed to Simulated Microgravity.. <i>Frontiers in Cell and Developmental Biology</i> , 2022 , 10, 841017	5.7	4
8	Augmenting cancer cell proteomics with cellular images - A semantic approach to understand focal adhesion. <i>Journal of Biomedical Informatics</i> , 2019 , 100, 103320	10.2	3
7	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,	6.3	3
6	The Effect of Continuous Positive Airway Pressure Therapy on Obstructive Sleep Apnea-Related Hypertension. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
5	The CellBox-2 Mission to the International Space Station: Thyroid Cancer Cells in Space. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
4	Vascular endothelial growth factor inhibits programmed cell death of endothelial cells induced by clinorotation. <i>Journal of Gravitational Physiology: A Journal of the International Society for Gravitational Physiology</i> , 2004 , 11, P199-200		2
3	Biotechnologische Nutzung der Schwerelosigkeit für medizinische Forschung - Analyse humaner Zellen nach Schwerelosigkeit. <i>Flugmedizin □ Tropenmedizin □ Reisemedizin - FTR</i> , 2013 , 20, 173-178	0.1	

2 Le facteur de croissance vasculaire endothéliale induit les protéines de la matrice extracellulaire et l'ostéopontine dans l'artère ombilicale. *Annales De Chirurgie Vasculaire*, **2008**, 22, 296-308

1 El factor de crecimiento endotelial vascular induce proteínas de matriz extracelular y osteopontina en la arteria umbilical. *Annals of Vascular Surgery*, **2008**, 22, 296-308