# Marcus Krger

## List of Publications by Citations



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|---|---|---|---|
| 70 papers | 1,051 citations | 19 h-index | 28 g-index |
| 75 ext. papers | 1,542 ext. citations | 5.1 avg, IF | 4.78 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 70 | The role of SOX family members in solid tumours and metastasis. *Seminars in Cancer Biology*, **2020**, 67, 122-153 | 12.7 | 117 |
| 69 | The Impact of Vitamin D in the Treatment of Essential Hypertension. *International Journal of Molecular Sciences*, **2018**, 19, | 6.3 | 48 |
| 68 | Tissue Engineering Under Microgravity Conditions-Use of Stem Cells and Specialized Cells. *Stem Cells and Development*, **2018**, 27, 787-804 | 4.4 | 41 |
| 67 | Real Microgravity Influences the Cytoskeleton and Focal Adhesions in Human Breast Cancer Cells. *International Journal of Molecular Sciences*, **2019**, 20, | 6.3 | 37 |
| 66 | The Effects of Oral l-Arginine and l-Citrulline Supplementation on Blood Pressure. *Nutrients*, **2019**, 11, | 6.7 | 34 |
| 65 | Decreased E-Cadherin in MCF7 Human Breast Cancer Cells Forming Multicellular Spheroids Exposed to Simulated Microgravity. *Proteomics*, **2018**, 18, e1800015 | 4.8 | 34 |
| 64 | Endothelin Receptor Antagonists: Status Quo and Future Perspectives for Targeted Therapy. *Journal of Clinical Medicine*, **2020**, 9, | 5.1 | 31 |
| 63 | The Vasoactive Mas Receptor in Essential Hypertension. *Journal of Clinical Medicine*, **2020**, 9, | 5.1 | 30 |
| 62 | 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 |
| 61 | Engineered Tet repressors with recognition specificity for the tetO-4C5G operator variant. *Gene*, **2007**, 404, 93-100 | 3.8 | 28 |
| 60 | Multikinase Inhibitor Treatment in Thyroid Cancer. *International Journal of Molecular Sciences*, **2019**, 21, | 6.3 | 26 |
| 59 | Bioactive Candy: Effects of Licorice on the Cardiovascular System. *Foods*, **2019**, 8, | 4.9 | 25 |
| 58 | 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 |
| 57 | Fighting Thyroid Cancer with Microgravity Research. *International Journal of Molecular Sciences*, **2019**, 20, | 6.3 | 21 |
| 56 | 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 |
| 55 | 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 |
| 54 | 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 |

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| 53 | 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 |
| 52 | Current and Future Treatments for Persistent Pulmonary Hypertension in the Newborn. *Basic and Clinical Pharmacology and Toxicology*, **2018**, 123, 392-406 | 3.1 | 20 |
| 51 | Morphological and Molecular Changes in Juvenile Normal Human Fibroblasts Exposed to Simulated Microgravity. *Scientific Reports*, **2019**, 9, 11882 | 4.9 | 19 |
| 50 | Impact of Gravity on Thyroid Cells. *International Journal of Molecular Sciences*, **2017**, 18, | 6.3 | 19 |
| 49 | Potential Beneficial Effects of Vitamin D in Coronary Artery Disease. *Nutrients*, **2019**, 12, | 6.7 | 18 |
| 48 | Short-Term Microgravity Influences Cell Adhesion in Human Breast Cancer Cells. *International Journal of Molecular Sciences*, **2019**, 20, | 6.3 | 18 |
| 47 | Simulated Microgravity Influences VEGF, MAPK, and PAM Signaling in Prostate Cancer Cells. *International Journal of Molecular Sciences*, **2020**, 21, | 6.3 | 16 |
| 46 | Thyroid cancer cells in space during the TEXUS-53 sounding rocket mission - The THYROID Project. *Scientific Reports*, **2018**, 8, 10355 | 4.9 | 16 |
| 45 | The prostacyclin analogue treprostinil in the treatment of pulmonary arterial hypertension. *Basic and Clinical Pharmacology and Toxicology*, **2019**, 126, 32 | 3.1 | 16 |
| 44 | Microgravity Affects Thyroid Cancer Cells during the TEXUS-53 Mission Stronger than Hypergravity. *International Journal of Molecular Sciences*, **2018**, 19, | 6.3 | 16 |
| 43 | Hypertension Caused by Lenvatinib and Everolimus in the Treatment of Metastatic Renal Cell Carcinoma. *International Journal of Molecular Sciences*, **2017**, 18, | 6.3 | 15 |
| 42 | A Focus on Macitentan in the Treatment of Pulmonary Arterial Hypertension. *Basic and Clinical Pharmacology and Toxicology*, **2018**, 123, 103-113 | 3.1 | 15 |
| 41 | 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 |
| 40 | 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 |
| 39 | Nebivolol in the treatment of arterial hypertension. *Basic and Clinical Pharmacology and Toxicology*, **2019**, 125, 189-201 | 3.1 | 14 |
| 38 | What an Mutant Can Teach Us About the Antibacterial Effect of Chlorophyllin. *Microorganisms*, **2019**, 7, | 4.9 | 14 |
| 37 | 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 |
| 36 | Early and lethal neurodegeneration with myasthenic and myopathic features: A new -CDG. *Neurology*, **2017**, 89, 657-664 | 6.5 | 13 |

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| 35 | Current knowledge about the impact of microgravity on the proteome. *Expert Review of Proteomics* , **2019**, 16, 5-16 | 4.2 | 12 |
| 34 | Tyrosine Kinase Inhibitor-Induced Hypertension: Role of Hypertension as a Biomarker in Cancer Treatment. *Current Vascular Pharmacology*, **2019**, 17, 618-634 | 3.3 | 11 |
| 33 | Role of Apoptosis in Wound Healing and Apoptosis Alterations in Microgravity. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 679650 | 5.8 | 11 |
| 32 | 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 |
| 31 | Interprofessional education in pediatrics-Child protection and family services as a teaching example. *Annals of Anatomy*, **2017**, 213, 62-68 | 2.9 | 8 |
| 30 | A focus on riociguat in the treatment of pulmonary arterial hypertension. *Basic and Clinical Pharmacology and Toxicology*, **2019**, 125, 202-214 | 3.1 | 8 |
| 29 | Exploration of space to achieve scientific breakthroughs. *Biotechnology Advances*, **2020**, 43, 107572 | 17.8 | 8 |
| 28 | Dexamethasone Inhibits Spheroid Formation of Thyroid Cancer Cells Exposed to Simulated Microgravity. *Cells*, **2020**, 9, | 7.9 | 8 |
| 27 | Breast Cancer Cells in Microgravity: New Aspects for Cancer Research. *International Journal of Molecular Sciences*, **2020**, 21, | 6.3 | 8 |
| 26 | 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 |
| 25 | 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 |
| 24 | Using Colistin as a Trojan Horse: Inactivation of Gram-Negative Bacteria with Chlorophyllin. *Antibiotics*, **2019**, 8, | 4.9 | 5 |
| 23 | Preparation of A Spaceflight: Apoptosis Search in Sutured Wound Healing Models. *International Journal of Molecular Sciences*, **2017**, 18, | 6.3 | 5 |
| 22 | 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 |
| 21 | The Fight against Cancer by Microgravity: The Multicellular Spheroid as a Metastasis Model.. *International Journal of Molecular Sciences*, **2022**, 23, | 6.3 | 5 |
| 20 | Cancer Studies under Space Conditions: Finding Answers Abroad.. *Biomedicines*, **2021**, 10, | 4.8 | 5 |
| 19 | Delayed fluorescence, steady state fluorescence, photosystem II quantum yield as endpoints for toxicity evaluation of Cu2+ and Ag+. *Environmental and Experimental Botany*, **2016**, 130, 174-180 | 5.9 | 4 |
| 18 | Pathway Analysis Hints Towards Beneficial Effects of Long-Term Vibration on Human Chondrocytes. *Cellular Physiology and Biochemistry*, **2018**, 47, 1729-1741 | 3.9 | 4 |

# List of Publications

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| 17 | Changes of Gene Expression in Euglena gracilis Obtained During the 29 DLR Parabolic Flight Campaign. *Scientific Reports*, **2019**, 9, 14260 | 4.9 | 4 |
| 16 | Microgravity-based Modulation of VEGF Expression in Human Thyroid Carcinoma Cells. *Frontiers in Physiology*,9, | 4.6 | 4 |
| 15 | SARS-CoV-2 and hypertension. *Physiological Reports*, **2021**, 9, e14800 | 2.6 | 4 |
| 14 | 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 |
| 13 | Three-Dimensional Growth of Prostate Cancer Cells Exposed to Simulated Microgravity.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 841017 | 5.7 | 4 |
| 12 | Congenital lymphedema as a rare and first symptom of tuberous sclerosis complex. *Gene*, **2020**, 753, 144815 | 3.8 | 3 |
| 11 | A Special Focus on Selexipag - Treatment of Pulmonary Arterial Hypertension. *Current Pharmaceutical Design*, **2017**, 23, 5191-5199 | 3.3 | 3 |
| 10 | Augmenting cancer cell proteomics with cellular images - A semantic approach to understand focal adhesion. *Journal of Biomedical Informatics*, **2019**, 100, 103320 | 10.2 | 3 |
| 9 | 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 |
| 8 | Growing Tissues in Space. *Frontiers in Physiology*,9, | 4.6 | 3 |
| 7 | Ethyl Pyruvate Reduces Systemic Leukocyte Activation via Caspase-1 and NF-B After Blunt Chest Trauma and Haemorrhagic Shock. *Frontiers in Medicine*, **2020**, 7, 562904 | 4.9 | 2 |
| 6 | The CellBox-2 Mission to the International Space Station: Thyroid Cancer Cells in Space. *International Journal of Molecular Sciences*, **2021**, 22, | 6.3 | 2 |
| 5 | Cancer Research in Space. *SpringerBriefs in Space Life Sciences*, **2017**, 87-106 | 0.4 | 1 |
| 4 | Click-chemistry-derived tetracycline-amino acid conjugates exhibiting exceptional potency and exclusive recognition of the reverse tet repressor. *ChemBioChem*, **2010**, 11, 703-12 | 3.8 | 1 |
| 3 | Beneficial Effects of Low Frequency Vibration on Human Chondrocytes in Vitro. *Cellular Physiology and Biochemistry*, **2019**, 53, 623-637 | 3.9 | 1 |
| 2 | Mosaic trisomy 12 diagnosed in a female patient: clinical features, genetic analysis, and review of the literature. *World Journal of Pediatrics*, **2021**, 17, 438-448 | 4.6 | 0 |
| 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 | |