Markus HengstschlÃ¤ger

List of Publications by Year
in descending order

84 papers	4,734 citations	172457 29 h-index	102487 66 g-index
84 all docs	84 docs citations	84 times ranked	8485 citing authors

#	Article	IF	Citations
1	Amniotic Fluid Stem Cells: What They Are and What They Can Become. Current Stem Cell Research and Therapy, 2023, 18, 7-16.	1.3	5
2	Perfluorooctane sulfonic acid (PFOS) inhibits vessel formation in a human 3D co-culture angiogenesis model (NCFs/HUVECs). Environmental Pollution, 2022, 293, 118543.	7.5	8
3	Stem Cell-Induced Cell Motility: A Removable Obstacle on the Way to Safe Therapies?. Stem Cells Translational Medicine, 2022, 11, 26-34.	3.3	1
4	OUP accepted manuscript. Clinical Chemistry, 2022, , .	3.2	2
5	The transplacental transfer efficiency of per- and polyfluoroalkyl substances (PFAS): a first meta-analysis. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2022, 25, 23-42.	6.5	27
6	Proteome analysis of NRF2 inhibition in melanoma reveals CD44 upâ€regulation and increased apoptosis resistance upon vemurafenib treatment. Cancer Medicine, 2022, 11, 956-967.	2.8	7
7	Physical Activity and Sedentary Time in Pregnancy: An Exploratory Study on Oxidative Stress Markers in the Placenta of Women with Obesity. Biomedicines, 2022, 10, 1069.	3.2	3
8	Metastatic colorectal carcinoma-associated fibroblasts have immunosuppressive properties related to increased IGFBP2 expression. Cancer Letters, 2022, 540, 215737.	7.2	10
9	The HDL particle composition determines its antitumor activity in pancreatic cancer. Life Science Alliance, 2022, 5, e202101317.	2.8	10
10	STAT3 promotes melanoma metastasis by CEBP-induced repression of the MITF pathway. Oncogene, 2021, 40, 1091-1105.	5.9	42
11	Human Embryo Models and Drug Discovery. International Journal of Molecular Sciences, 2021, 22, 637.	4.1	8
12	Amino Acid Transporter LAT1 (SLC7A5) Mediates MeHg-Induced Oxidative Stress Defense in the Human Placental Cell Line HTR-8/SVneo. International Journal of Molecular Sciences, 2021, 22, 1707.	4.1	13
13	Gene Variants Determine Placental Transfer of Perfluoroalkyl Substances (PFAS), Mercury (Hg) and Lead (Pb), and Birth Outcome: Findings From the UmMuKi Bratislava-Vienna Study. Frontiers in Genetics, 2021, 12, 664946.	2.3	13
14	Embryoid research calls for reassessment of legal regulations. Stem Cell Research and Therapy, 2021, 12, 356.	5.5	4
15	Amniotic fluid stem cells and the cell source repertoire for non-invasive prenatal testing. Stem Cell Reviews and Reports, 2021, , 1.	3.8	0
16	Stromal fibroblasts shape the myeloid phenotype in normal colon and colorectal cancer and induce CD163 and CCL2 expression in macrophages. Cancer Letters, 2021, 520, 184-200.	7.2	40
17	Threeâ€dimensional migration of human amniotic fluid stem cells involves mesenchymal and amoeboid modes and is regulated by mTORC1. Stem Cells, 2021, 39, 1718-1732.	3.2	2
18	Fetomaternal microchimerism and genetic diagnosis: On the origins of fetal cells and cell-free fetal DNA in the pregnant woman. Mutation Research - Reviews in Mutation Research, 2021, 788, 108399.	5.5	5

#	Article	IF	Citations
19	p38 regulates the tumor suppressor PDCD4 via the TSC-mTORC1 pathway. Cell Stress, 2021, 5, 176-182.	3.2	4
20	Cancer-associated fibroblast-derived WNT2 increases tumor angiogenesis in colon cancer. Angiogenesis, 2020, 23, 159-177.	7.2	174
21	In vitro function and in situ localization of Multidrug Resistance-associated Protein (MRP)1 (ABCC1) suggest a protective role against methyl mercury-induced oxidative stress in the human placenta. Archives of Toxicology, 2020, 94, 3799-3817.	4.2	14
22	Insights into Differentiation of Melanocytes from Human Stem Cells and Their Relevance for Melanoma Treatment. Cancers, 2020, 12, 2508.	3.7	8
23	Albumin is the major carrier protein for PFOS, PFOA, PFHxS, PFNA and PFDA in human plasma. Environment International, 2020, 137, 105324.	10.0	123
24	Inverse Data-Driven Modeling and Multiomics Analysis Reveals Phgdh as a Metabolic Checkpoint of Macrophage Polarization and Proliferation. Cell Reports, 2020, 30, 1542-1552.e7.	6.4	52
25	Loss of SR-BI Down-Regulates MITF and Suppresses Extracellular Vesicle Release in Human Melanoma. International Journal of Molecular Sciences, 2019, 20, 1063.	4.1	11
26	Exclusion from spheroid formation identifies loss of essential cell-cell adhesion molecules in colon cancer cells. Scientific Reports, 2018, 8, 1151.	3.3	59
27	Malignant Phenotypes in Metastatic Melanoma are Governed by SR-BI and its Association with Glycosylation and STAT5 Activation. Molecular Cancer Research, 2018, 16, 135-146.	3.4	21
28	A haunted beast: Targeting STAT5BN642H in T-Cell Neoplasia. Molecular and Cellular Oncology, 2018, 5, e1435181.	0.7	3
29	Comparison of cancer cells cultured in 2D vs 3D reveals differences in AKT/mTOR/S6-kinase signaling and drug response. Journal of Cell Science, 2017, 130, 203-218.	2.0	308
30	Chronic signaling via the metabolic checkpoint kinase mTORC1 induces macrophage granuloma formation and marks sarcoidosis progression. Nature Immunology, 2017, 18, 293-302.	14.5	191
31	An Optimized 3D Coculture Assay for Preclinical Testing of Pro- and Antiangiogenic Drugs. SLAS Discovery, 2017, 22, 602-613.	2.7	12
32	<scp>mTORC</scp>1 and <scp>mTORC</scp>2 as regulators of cell metabolism in immunity. FEBS Letters, 2017, 591, 3089-3103.	2.8	194
33	Geophagy during pregnancy: Is there a health risk for infants?. Environmental Research, 2017, 156, 145-147.	7.5	28
34	Human stem cells alter the invasive properties of somatic cells via paracrine activation of mTORC1. Nature Communications, 2017, 8, 595.	12.8	25
35	The unfolded protein response impacts melanoma progression by enhancing FGF expression and can be antagonized by a chemical chaperone. Scientific Reports, 2017, 7, 17498.	3.3	22
36	Methylmercury Uptake into BeWo Cells Depends on LAT2-4F2hc, a System L Amino Acid Transporter. International Journal of Molecular Sciences, 2017, 18, 1730.	4.1	19

#	Article	IF	Citations
37	Rapamycin Maintains the Chondrocytic Phenotype and Interferes with Inflammatory Cytokine Induced Processes. International Journal of Molecular Sciences, 2017, 18, 1494.	4.1	21
38	STAT5BN642H is a driver mutation for T cell neoplasia. Journal of Clinical Investigation, 2017, 128, 387-401.	8.2	57
39	Generation of metastatic melanoma specific antibodies by affinity purification. Scientific Reports, 2016, 6, 37253.	3.3	3
40	mTOR-Mediated Regulation of Dendritic Cell Differentiation and Function. Trends in Immunology, 2016, 37, 778-789.	6.8	93
41	Genetics of the human placenta: implications for toxicokinetics. Archives of Toxicology, 2016, 90, 2563-2581.	4.2	36
42	Rapamycin-Induced Hypoxia Inducible Factor 2A Is Essential for Chondrogenic Differentiation of Amniotic Fluid Stem Cells. Stem Cells Translational Medicine, 2016, 5, 580-590.	3.3	12
43	Letter to the Editor: Human Pluripotent Stem Cells Release Oncogenic Soluble E-Cadherin. Stem Cells, 2016, 34, 2443-2446.	3.2	2
44	Full biological characterization of human pluripotent stem cells will open the door to translational research. Archives of Toxicology, 2016, 90, 2173-2186.	4.2	7
45	Mercury toxicokinetics of the healthy human term placenta involve amino acid transporters and ABC transporters. Toxicology, 2016, 340, 34-42.	4.2	44
46	The HDL receptor SR-BI is associated with human prostate cancer progression and plays a possible role in establishing androgen independence. Reproductive Biology and Endocrinology, 2015, 13, 88.	3.3	67
47	Increasing Live Birth Rate by Preimplantation Genetic Screening of Pooled Polar Bodies Using Array Comparative Genomic Hybridization. PLoS ONE, 2015, 10, e0128317.	2.5	23
48	Quantification of HDL Proteins, Cardiac Events, and Mortality in Patients with Type 2 Diabetes on Hemodialysis. Clinical Journal of the American Society of Nephrology: CJASN, 2015, 10, 224-231.	4.5	54
49	Effects of the mTOR inhibitor everolimus and the PI3K/mTOR inhibitor NVP-BEZ235 in murine acute lung injury models. Transplant Immunology, 2015, 33, 45-50.	1.2	11
50	Regulation of innate immune cell function by mTOR. Nature Reviews Immunology, 2015, 15, 599-614.	22.7	612
51	Increased complexity in carcinomas: Analyzing and modeling the interaction of human cancer cells with their microenvironment. Seminars in Cancer Biology, 2015, 35, 107-124.	9.6	60
52	eIF3 controls cell size independently of S6K1-activity. Oncotarget, 2015, 6, 24361-24375.	1.8	13
53	Reliable Quantification of Protein Expression and Cellular Localization in Histological Sections. PLoS ONE, 2014, 9, e100822.	2.5	31
54	mTORC1 Is Essential for Early Steps during Schwann Cell Differentiation of Amniotic Fluid Stem Cells and Regulates Lipogenic Gene Expression. PLoS ONE, 2014, 9, e107004.	2.5	15

#	Article	IF	Citations
55	The Resazurin Reduction Assay Can Distinguish Cytotoxic from Cytostatic Compounds in Spheroid Screening Assays. Journal of Biomolecular Screening, 2014, 19, 1047-1059.	2.6	70
56	Modeling human carcinomas: Physiologically relevant 3D models to improve anti-cancer drug development. Advanced Drug Delivery Reviews, 2014, 79-80, 50-67.	13.7	129
57	The Decision on the â€œOptimalâ€•Human Pluripotent Stem Cell. Stem Cells Translational Medicine, 2014, 3, 553-559.	3.3	23
58	Inhibition of mTOR down-regulates scavenger receptor, class B, type I (SR-BI) expression, reduces endothelial cell migration and impairs nitric oxide production. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 944-953.	2.4	19
59	Amniotic Fluid Stem Cell Features Supporting Their Putative Role in Fetal Cell Microchimerism. , 2014, , 53-58.		1
60	Phosphorylation of nuclear and cytoplasmic pools of ribosomal protein S6 during cell cycle progression. Amino Acids, 2013, 44, 1233-1240.	2.7	7
61	Intercellular protein expression variability as a feature of stem cell pluripotency. Amino Acids, 2013, 45, 1315-1317.	2.7	0
62	Amniotic fluid stem cells and fetal cell microchimerism. Trends in Molecular Medicine, 2013, 19, 271-272.	6.7	25
63	In vitro cell migration and invasion assays. Mutation Research - Reviews in Mutation Research, 2013, 752, 10-24.	5.5	605
64	Spatial consequences of blocking mTOR/S6K: Relevance for therapy. Cell Cycle, 2012, 11, 420-421.	2.6	4
65	Targeting Epigenetic Readers in Cancer. New England Journal of Medicine, 2012, 367, 1764-1765.	27.0	25
66	Tuberin and PRAS40 are anti-apoptotic gatekeepers during early human amniotic fluid stem-cell differentiation. Human Molecular Genetics, 2012, 21, 1049-1061.	2.9	21
67	Amniotic fluid stem cells to study mTOR signaling in differentiation. Organogenesis, 2012, 8, 96-100.	1.2	2
68	Amniotic Fluid Stem Cells: Future Perspectives. Stem Cells International, 2012, 2012, 1-6.	2.5	16
69	mTOR protein localization is cell cycle-regulated. Cell Cycle, 2011, 10, 3608-3610.	2.6	25
70	The relevance of the individual genetic background for the toxicokinetics of two significant neurodevelopmental toxicants: Mercury and lead. Mutation Research - Reviews in Mutation Research, 2010, 705, 130-140.	5.5	115
71	Efficient siRNA-mediated prolonged gene silencing in human amniotic fluid stem cells. Nature Protocols, 2010, 5, 1081-1095.	12.0	70
72	New insights into the role of the tuberous sclerosis genes in leukemia. Leukemia Research, 2009, 33, 883-885.	0.8	6

#	Article	IF	Citations
73	Variations of Protein Levels in Human Amniotic Fluid Stem Cells CD117/2 Over Passages 5â˜’25. Journal of Proteome Research, 2009, 8, 5285-5295.	3.7	31
74	The tuberous sclerosis gene products hamartin and tuberin are multifunctional proteins with a wide spectrum of interacting partners. Mutation Research - Reviews in Mutation Research, 2008, 658, 234-246.	5.5	125
75	The mTOR pathway and its role in human genetic diseases. Mutation Research - Reviews in Mutation Research, 2008, 659, 284-292.	5.5	156
76	Stem Cells in Amniotic Fluid as New Tools to Study Human Genetic Diseases. Stem Cell Reviews and Reports, 2007, 3, 256-264.	5.6	77
77	Fetal magnetic resonance imaging and human genetics. European Journal of Radiology, 2006, 57, 312-315.	2.6	9
78	The tuberous sclerosis genes and regulation of the cyclin-dependent kinase inhibitor p27. Mutation Research - Reviews in Mutation Research, 2006, 613, 10-16.	5.5	33
79	Subtelomeric rearrangements as neutral genomic polymorphisms. , 2005, 133A, 48-52.		26
80	Tuberin â€“ A New Molecular Target in Alzheimerâ€™s Disease?. Neurochemical Research, 2005, 30, 1413-1419.	3.3	9
81	The cellular response to ectopic overexpression of the tuberous sclerosis genes, TSC1 and TSC2: a proteomic approach. International Journal of Oncology, 2005, 27, 831-8.	3.3	2
82	Neurogenic cells in human amniotic fluid. American Journal of Obstetrics and Gynecology, 2004, 191, 309-314.	1.3	134
83	Prenatal diagnosis of tetrasomy 9p with Dandyâ€“Walker malformation. Prenatal Diagnosis, 2004, 24, 623-626.	2.3	19
84	Oct-4-expressing cells in human amniotic fluid: a new source for stem cell research?. Human Reproduction, 2003, 18, 1489-1493.	0.9	321