Helmut Dolznig

List of Publications by Year
in descending order

96 papers	5,069 citations	94433 37 h-index	95266 68 g-index
102 all docs	102 docs citations	102 times ranked	9012 citing authors

#	Article	IF	Citations
1	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
2	Tumour cell apoptosis modulates the colorectal cancer immune microenvironment via interleukin-8-dependent neutrophil recruitment. Cell Death and Disease, 2022, 13, 113.	6.3	24
3	KMT2C methyltransferase domain regulated INK4A expression suppresses prostate cancer metastasis. Molecular Cancer, 2022, 21, 89.	19.2	21
4	Metastatic colorectal carcinoma-associated fibroblasts have immunosuppressive properties related to increased IGFBP2 expression. Cancer Letters, 2022, 540, 215737.	7.2	10
5	Mapping the Metabolic Networks of Tumor Cells and Cancer-Associated Fibroblasts. Cells, 2021, 10, 304.	4.1	23
6	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
7	MISpheroID: a knowledgebase and transparency tool for minimum information in spheroid identity. Nature Methods, 2021, 18, 1294-1303.	19.0	38
8	Cancer-associated fibroblast-derived WNT2 increases tumor angiogenesis in colon cancer. Angiogenesis, 2020, 23, 159-177.	7.2	174
9	Short-course radiotherapy promotes pro-inflammatory macrophages via extracellular vesicles in human rectal cancer. , 2020, 8, e000667.		24
10	Irradiated cancer exosomes promote M1-like polarization of macrophages and enhance their anti-tumoral responses. European Journal of Cancer, 2019, 110, S32-S33.	2.8	2
11	Inactivation of mTORC2 in macrophages is a signature of colorectal cancer that promotes tumorigenesis. JCI Insight, 2019, 4, .	5.0	19
12	Exclusion from spheroid formation identifies loss of essential cell-cell adhesion molecules in colon cancer cells. Scientific Reports, 2018, 8, 1151.	3.3	59
13	M1 polarization of tumor-associated macrophages after irradiation of human rectal cancer in patients and 3D co-culture model. European Journal of Cancer, 2018, 92, S25.	2.8	0
14	Intravasation of SW620 colon cancer cell spheroids through the blood endothelial barrier is inhibited by clinical drugs and flavonoids in vitro. Food and Chemical Toxicology, 2018, 111, 114-124.	3.6	18
15	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
16	An Optimized 3D Coculture Assay for Preclinical Testing of Pro- and Antiangiogenic Drugs. SLAS Discovery, 2017, 22, 602-613.	2.7	12
17	Stromal-derived IGF2 promotes colon cancer progression via paracrine and autocrine mechanisms. Oncogene, 2017, 36, 5341-5355.	5.9	63
18	Autocrine WNT2 signaling in fibroblasts promotes colorectal cancer progression. Oncogene, 2017, 36, 5460-5472.	5.9	107

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19	Colon cancer cell-derived 12(S)-HETE induces the retraction of cancer-associated fibroblast via MLC2, RHO/ROCK and Ca2+ signalling. Cellular and Molecular Life Sciences, 2017, 74, 1907-1921.	5.4	40
20	Steering of carcinoma progression by the YIN/YANG interaction of STAT1/STAT3. BioScience Trends, 2017, 11, 1-8.	3.4	27
21	Abstract 1655: Organotypic 3D models to characterize the molecular requirements for NK and T-cell infiltration. , 2017, , .		0
22	Preclinical Cancer Models with the Potential to Predict Clinical Response. , 2016, , 97-122.		0
23	Cancer cell-derived 12(S)-HETE signals via 12-HETE receptor, RHO, ROCK and MLC2 to induce lymph endothelial barrier breaching. British Journal of Cancer, 2016, 115, 364-370.	6.4	29
24	12(S)-HETE increases intracellular Ca2+ in lymph-endothelial cells disrupting their barrier function in vitro; stabilization by clinical drugs impairing calcium supply. Cancer Letters, 2016, 380, 174-183.	7.2	18
25	Colorectal cancer cell-derived microRNA200 modulates the resistance of adjacent blood endothelial barriers in vitro. Oncology Reports, 2016, 36, 3065-3071.	2.6	29
26	Genetics of the human placenta: implications for toxicokinetics. Archives of Toxicology, 2016, 90, 2563-2581.	4.2	36
27	The ratio of STAT1 to STAT3 expression is a determinant of colorectal cancer growth. Oncotarget, 2016, 7, 51096-51106.	1.8	34
28	Abstract 630: Co-injection of human fibroblasts significantly enhances tumorigenicity of orthotopically implanted human non-small cell lung cancer cells in immunocompromised mice. , 2016, , .		1
29	273 Modelling tumor-stroma crosstalk in vivo by co-implantation of human fibroblasts and human lung cancer cells orthotopically into immuncompromized mice. European Journal of Cancer, 2015, 51, S50-S51.	2.8	0
30	ID: 263. Cytokine, 2015, 76, 112.	3.2	0
31	High EMT Signature Score of Invasive Non-Small Cell Lung Cancer (NSCLC) Cells Correlates with NFÎºB Driven Colony-Stimulating Factor 2 (CSF2/GM-CSF) Secretion by Neighboring Stromal Fibroblasts. PLoS ONE, 2015, 10, e0124283.	2.5	37
32	An open data ecosystem for cell migration research. Trends in Cell Biology, 2015, 25, 55-58.	7.9	26
33	The germacranolide sesquiterpene lactone neurolenin B of the medicinal plant Neurolaena lobata (L.) R.Br. ex Cass inhibits NPM/ALK-driven cell expansion and NF-ÎºB-driven tumour intravasation. Phytomedicine, 2015, 22, 862-874.	5.3	9
34	STAT3 regulated ARF expression suppresses prostate cancer metastasis. Nature Communications, 2015, 6, 7736.	12.8	136
35	Three-dimensional and co-culture models for preclinical evaluation of metal-based anticancer drugs. Investigational New Drugs, 2015, 33, 835-847.	2.6	44
36	Loss of miR-200 family in 5-fluorouracil resistant colon cancer drives lymphendothelial invasiveness in vitro. Human Molecular Genetics, 2015, 24, 3689-98.	2.9	70

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37	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
38	Lobatin B inhibits NPM/ALK and NF-ÎºB attenuating anaplastic-large-cell-lymphomagenesis and lymphendothelial tumour intravasation. Cancer Letters, 2015, 356, 994-1006.	7.2	8
39	IGFBP7, a novel tumor stroma marker, with growth-promoting effects in colon cancer through a paracrine tumorâ€“stroma interaction. Oncogene, 2015, 34, 815-825.	5.9	98
40	Reliable Quantification of Protein Expression and Cellular Localization in Histological Sections. PLoS ONE, 2014, 9, e100822.	2.5	31
41	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
42	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
43	Pharmacological insight into the anti-inflammatory activity of sesquiterpene lactones from Neurolaena lobata (L.) R.Br. ex Cass. Phytomedicine, 2014, 21, 1695-1701.	5.3	30
44	Drug resistance mediated changes in lymphendothelial tumor cell intravasation. International Journal of Clinical Pharmacology and Therapeutics, 2014, 52, 82-84.	0.6	0
45	In vitro characterisation of the anti-intravasative properties of the marine product heteronemin. Archives of Toxicology, 2013, 87, 1851-1861.	4.2	26
46	Xanthohumol attenuates tumour cell-mediated breaching of the lymphendothelial barrier and prevents intravasation and metastasis. Archives of Toxicology, 2013, 87, 1301-1312.	4.2	41
47	Inhibition of tumour spheroid-induced prometastatic intravasation gates in the lymph endothelial cell barrier by carbamazepine: drug testing in a 3D model. Archives of Toxicology, 2013, 88, 691-9.	4.2	24
48	In vitro inhibition of breast cancer spheroid-induced lymphendothelial defects resembling intravasation into the lymphatic vasculature by acetohexamide, isoxsuprine, nifedipin and proadifen. British Journal of Cancer, 2013, 108, 570-578.	6.4	23
49	In vitro cell migration and invasion assays. Mutation Research - Reviews in Mutation Research, 2013, 752, 10-24.	5.5	605
50	Bay11-7082 inhibits the disintegration of the lymphendothelial barrier triggered by MCF-7 breast cancer spheroids; the role of ICAM-1 and adhesion. British Journal of Cancer, 2013, 108, 564-569.	6.4	44
51	The dichloromethane extract of the ethnomedicinal plant Neurolaena lobata inhibits NPM/ALK expression which is causal for anaplastic large cell lymphomagenesis. International Journal of Oncology, 2013, 42, 338-348.	3.3	10
52	Abstract 5458: Individual and combined activities of STAT1 and STAT3 have prognostic relevance for the progression of colorectal carcinoma.. , 2013, , .		0
53	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
54	PDGFR blockade is a rational and effective therapy for NPM-ALKâ€“driven lymphomas. Nature Medicine, 2012, 18, 1699-1704.	30.7	113

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55	Amniotic fluid stem cell-based models to study the effects of gene mutations and toxicants on male germ cell formation. Asian Journal of Andrology, 2012, 14, 247-250.	1.6	5
56	Cancer Associated Fibroblasts as Therapeutic Targets. , 2011, , 383-401.		0
57	Modeling Colon Adenocarcinomas in Vitro. American Journal of Pathology, 2011, 179, 487-501.	3.8	155
58	Organotypic spheroid cultures to study tumorâ€“stroma interaction during cancer development. Drug Discovery Today: Disease Models, 2011, 8, 113-119.	1.2	16
59	Different cytoplasmic/nuclear distribution of S6 protein phosphorylated at S240/244 and S235/236. Amino Acids, 2011, 40, 595-600.	2.7	15
60	hVps37A Status Affects Prognosis and Cetuximab Sensitivity in Ovarian Cancer. Clinical Cancer Research, 2011, 17, 7816-7827.	7.0	37
61	NF-ÎºB mediates the 12(S)-HETE-induced endothelial to mesenchymal transition of lymphendothelial cells during the intravasation of breast carcinoma cells. British Journal of Cancer, 2011, 105, 263-271.	6.4	59
62	Lipoxygenase mediates invasion of intrametastatic lymphatic vessels and propagates lymph node metastasis of human mammary carcinoma xenografts in mouse. Journal of Clinical Investigation, 2011, 121, 2000-2012.	8.2	163
63	Human amniotic fluid stem cells as a model for functional studies of genes involved in human genetic diseases or oncogenesis. Oncotarget, 2011, 2, 705-712.	1.8	27
64	Putting the brakes on mammary tumorigenesis: Loss of STAT1 predisposes to intraepithelial neoplasias. Oncotarget, 2011, 2, 1043-1054.	1.8	40
65	New and Highly Efficient Therapy for Treatment NPM-ALK Associated Lymphomas. Blood, 2011, 118, 1659-1659.	1.4	1
66	Embryoid body formation of human amniotic fluid stem cells depends on mTOR. Oncogene, 2010, 29, 966-977.	5.9	74
67	Efficient siRNA-mediated prolonged gene silencing in human amniotic fluid stem cells. Nature Protocols, 2010, 5, 1081-1095.	12.0	70
68	Contribution of human amniotic fluid stem cells to renal tissue formation depends on mTOR. Human Molecular Genetics, 2010, 19, 3320-3331.	2.9	70
69	OC-04 Expression of protease activated receptor-1 and tissue factor in human cancers determined by gene expression profiling and laser capture microdissection. Thrombosis Research, 2010, 125, S162.	1.7	0
70	Short 42ÂC heat shock induces phosphorylation and degradation of Cdc25A which depends on p38MAPK, Chk2 and 14.3.3. Human Molecular Genetics, 2009, 18, 1990-2000.	2.9	23
71	CDKs as therapeutic targets for the human genetic disease tuberous sclerosis?. European Journal of Clinical Investigation, 2009, 39, 1033-1035.	3.4	7
72	Hepatic tumorâ€“stroma crosstalk guides epithelial to mesenchymal transition at the tumor edge. Oncogene, 2009, 28, 4022-4033.	5.9	157

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73	Cigarette smoke facilitates allergen penetration across respiratory epithelium. Allergy: European Journal of Allergy and Clinical Immunology, 2009, 64, 398-405.	5.7	68
74	Stat5 activation enables erythropoiesis in the absence of EpoR and Jak2. Blood, 2008, 111, 4511-4522.	1.4	101
75	Isolation of polysome-bound mRNA from solid tissues amenable for RT-PCR and profiling experiments. Rna, 2007, 13, 414-421.	3.5	91
76	Laser Capture Microdissection of Epithelial Cancers Guided by Antibodies Against Fibroblast Activation Protein and Endosialin. Diagnostic Molecular Pathology, 2006, 15, 35-42.	2.1	31
77	Expression of stromal cell markers in distinct compartments of human skin cancers. Journal of Cutaneous Pathology, 2006, 33, 145-155.	1.3	59
78	Erythroid progenitor renewal versus differentiation: genetic evidence for cell autonomous, essential functions of EpoR, Stat5 and the GR. Oncogene, 2006, 25, 2890-2900.	5.9	56
79	Mouse endosialin, a C-type lectin-like cell surface receptor: expression during embryonic development and induction in experimental cancer neoangiogenesis. Cancer Immunity, 2006, 6, 10.	3.2	23
80	Expansion and Differentiation of Immature Mouse and Human Hematopoietic Progenitors. , 2005, 105, 323-344.		24
81	Cell Size Control: New Evidence for a General Mechanism. Cell Cycle, 2005, 4, 418-421.	2.6	28
82	Characterization of cancer stroma markers: in silico analysis of an mRNA expression database for fibroblast activation protein and endosialin. Cancer Immunity, 2005, 5, 10.	3.2	71
83	Evidence for a size-sensing mechanism in animal cells. Nature Cell Biology, 2004, 6, 899-905.	10.3	145
84	Directed differentiation and mass cultivation of pure erythroid progenitors from mouse embryonic stem cells. Blood, 2004, 104, 1873-1880.	1.4	101
85	Apoptosis Protection by the Epo Target Bcl-XL Allows Factor-Independent Differentiation of Primary Erythroblasts. Current Biology, 2002, 12, 1076-1085.	3.9	130
86	Leukemic transformation of normal murine erythroid progenitors: v- and c-ErbB act through signaling pathways activated by the EpoR and c-Kit in stress erythropoiesis. Oncogene, 2001, 20, 3651-3664.	5.9	103
87	Establishment of normal, terminally differentiating mouse erythroid progenitors: molecular characterization by cDNA arrays. FASEB Journal, 2001, 15, 1442-1444.	0.5	101
88	Reverse Strand Priming: A Versatile cDNA Radiolabeling Method for Differential Hybridization on Nucleic Acid Arrays. BioTechniques, 1999, 26, 846-850.	1.8	11
89	FLI-1 inhibits differentiation and induces proliferation of primary erythroblasts. Oncogene, 1999, 18, 1597-1608.	5.9	85
90	Impaired Ferritin mRNA Translation in Primary Erythroid Progenitors: Shift to Iron-Dependent Regulation by the v-ErbA Oncoprotein. Blood, 1999, 94, 4321-4332.	1.4	0

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91	Impaired ferritin mRNA translation in primary erythroid progenitors: shift to iron-dependent regulation by the v-ErbA oncoprotein. Blood, 1999, 94, 4321-32.	1.4	2
92	Dynamics of Cell Cycle Regulators: Artefact-Free Analysis by Recultivation of Cells Synchronized by Centrifugal Elutriation. DNA and Cell Biology, 1997, 16, 849-859.	1.9	16
93	Mouse thymidine kinase stability in vivo and after in vitro translation. BBA - Proteins and Proteomics, 1997, 1338, 267-274.	2.1	5
94	Avian erythropoiesis and erythroleukemia: towards understanding the role of the biomolecules involved. Biochimica Et Biophysica Acta: Reviews on Cancer, 1996, 1288, M35-M47.	7.4	21
95	Cell Cycle Regulation and Erythroid Differentiation. Current Topics in Microbiology and Immunology, 1996, 212, 175-194.	1.1	6
96	Terminal differentiation of normal chicken erythroid progenitors: shortening of G1 correlates with loss of D-cyclin/cdk4 expression and altered cell size control. Cell Growth & Differentiation: the Molecular Biology Journal of the American Association for Cancer Research, 1995, 6, 1341-52.	0.8	27