

Manja Wobus

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,916
citations

361413

20
h-index

265206

42
g-index

53
all docs

53
docs citations

53
times ranked

3149
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time deformability cytometry: on-the-fly cell mechanical phenotyping. <i>Nature Methods</i> , 2015, 12, 199-202.	19.0	580
2	Expression and Regulation of CD97 in Colorectal Carcinoma Cell Lines and Tumor Tissues. <i>American Journal of Pathology</i> , 2002, 161, 1657-1667.	3.8	121
3	CD97, but Not Its Closely Related EGF-TM7 Family Member EMR2, Is Expressed on Gastric, Pancreatic, and Esophageal Carcinomas. <i>American Journal of Clinical Pathology</i> , 2002, 118, 699-707.	0.7	84
4	OXPHOS Supercomplexes as a Hallmark of the Mitochondrial Phenotype of Adipogenic Differentiated Human MSCs. <i>PLoS ONE</i> , 2012, 7, e35160.	2.5	83
5	Individual Cell-Based Models of Tumor-Environment Interactions. <i>American Journal of Pathology</i> , 2006, 169, 1802-1811.	3.8	80
6	Secreted protein Del-1 regulates myelopoiesis in the hematopoietic stem cell niche. <i>Journal of Clinical Investigation</i> , 2017, 127, 3624-3639.	8.2	78
7	Immunomodulatory Properties of Mesenchymal Stromal Cells: An Update. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 637725.	3.7	76
8	Analysis of CD97 Expression and Manipulation: Antibody Treatment but Not Gene Targeting Curtails Granulocyte Migration. <i>Journal of Immunology</i> , 2008, 181, 6574-6583.	0.8	70
9	Mesenchymal stromal cells from patients with myelodysplastic syndrome display distinct functional alterations that are modulated by lenalidomide. <i>Haematologica</i> , 2013, 98, 1677-1685.	3.5	67
10	Oxygen tension plays a critical role in the hematopoietic microenvironment in vitro. <i>Haematologica</i> , 2012, 97, 331-339.	3.5	56
11	Differential effect of platelet-rich plasma and fetal calf serum on bone marrow-derived human mesenchymal stromal cells expanded in vitro. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2011, 5, 648-654.	2.7	47
12	N-glycosylation of CD97 within the EGF domains is crucial for epitope accessibility in normal and malignant cells as well as CD55 ligand binding. <i>International Journal of Cancer</i> , 2004, 112, 815-822.	5.1	39
13	Breast carcinoma cells modulate the chemoattractive activity of human bone marrow-derived mesenchymal stromal cells by interfering with CXCL12. <i>International Journal of Cancer</i> , 2015, 136, 44-54.	5.1	35
14	Overexpression of CD97 in Intestinal Epithelial Cells of Transgenic Mice Attenuates Colitis by Strengthening Adherens Junctions. <i>PLoS ONE</i> , 2010, 5, e8507.	2.5	35
15	Expression of the melanoma cell adhesion molecule in human mesenchymal stromal cells regulates proliferation, differentiation, and maintenance of hematopoietic stem and progenitor cells. <i>Haematologica</i> , 2013, 98, 505-513.	3.5	32
16	Spheroid Culture of Mesenchymal Stromal Cells Results in Morphorheological Properties Appropriate for Improved Microcirculation. <i>Advanced Science</i> , 2019, 6, 1802104.	11.2	31
17	Impact of lenalidomide on the functional properties of human mesenchymal stromal cells. <i>Experimental Hematology</i> , 2012, 40, 867-876.	0.4	28
18	MicroRNA-23a mediates post-transcriptional regulation of CXCL12 in bone marrow stromal cells. <i>Haematologica</i> , 2014, 99, 997-1005.	3.5	28

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19	Breast cancer cells compete with hematopoietic stem and progenitor cells for intercellular adhesion molecule 1-mediated binding to the bone marrow microenvironment. <i>Carcinogenesis</i> , 2016, 37, 759-767.	2.8	22
20	CD44 Mediates Constitutive Type I Receptor Signaling in Cervical Carcinoma Cells. <i>Gynecologic Oncology</i> , 2001, 83, 227-234.	1.4	20
21	Detection of alternatively spliced EMR2 mRNAs in colorectal tumor cell lines but rare expression of the molecule in colorectal adenocarcinomas. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2003, 443, 32-37.	2.8	20
22	Long-term in vivo imaging reveals tumor-specific dissemination and captures host tumor interaction in zebrafish xenografts. <i>Scientific Reports</i> , 2020, 10, 13254.	3.3	20
23	Diversity of CD97 in smooth muscle cells. <i>Cell and Tissue Research</i> , 2006, 324, 139-147.	2.9	19
24	Differential effects of mixed lymphocyte reaction supernatant on human mesenchymal stromal cells. <i>Experimental Hematology</i> , 2012, 40, 934-944.	0.4	19
25	Human Bone Marrow Stromal Cells: A Reliable, Challenging Tool for <i>In Vitro</i> Osteogenesis and Bone Tissue Engineering Approaches. <i>Stem Cells International</i> , 2016, 2016, 1-14.	2.5	19
26	Coacervation-Mediated Combinatorial Synthesis of Biomatrices for Stem Cell Culture and Directed Differentiation. <i>Advanced Materials</i> , 2018, 30, e1706100.	21.0	18
27	Silk Hydrogel Substrate Stress Relaxation Primes Mesenchymal Stem Cell Behavior in 2D. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30420-30433.	8.0	18
28	Perivascular Mesenchymal Stem Cells From the Adult Human Brain Harbor No Intrinsic Neuroectodermal but High Mesodermal Differentiation Potential. <i>Stem Cells Translational Medicine</i> , 2015, 4, 1223-1233.	3.3	17
29	Luspatercept restores SDF-1-mediated hematopoietic support by MDS-derived mesenchymal stromal cells. <i>Leukemia</i> , 2021, 35, 2936-2947.	7.2	15
30	In Vivo Chemical Screen in Zebrafish Embryos Identifies Regulators of Hematopoiesis Using a Semiautomated Imaging Assay. <i>Journal of Biomolecular Screening</i> , 2016, 21, 956-964.	2.6	14
31	Erythropoietin inhibits osteoblast function in myelodysplastic syndromes via the canonical Wnt pathway. <i>Haematologica</i> , 2018, 103, 61-68.	3.5	14
32	Association of the EGF-TM7 receptor CD97 expression with FLT3-ITD in acute myeloid leukemia. <i>Oncotarget</i> , 2015, 6, 38804-38815.	1.8	14
33	Functional Interference in the Bone Marrow Microenvironment by Disseminated Breast Cancer Cells. <i>Stem Cells</i> , 2016, 34, 2224-2235.	3.2	13
34	Effects of rigosertib on the osteo-hematopoietic niche in myelodysplastic syndromes. <i>Annals of Hematology</i> , 2019, 98, 2063-2072.	1.8	10
35	Displaying Lipid Chains in a Peptide-Polysaccharide-Based Self-Assembled Hydrogel Network. <i>Chemistry of Materials</i> , 2021, 33, 2756-2768.	6.7	10
36	A Novel Synthetic, Xeno-Free Biomimetic Surface for Serum-Free Expansion of Human Mesenchymal Stromal Cells. <i>Advanced Biology</i> , 2020, 4, 2000008.	3.0	7

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37	Transcriptional regulation of the human CD97 promoter by Sp1/Sp3 in smooth muscle cells. <i>Gene</i> , 2008, 413, 67-75.	2.2	6
38	Altered Structure and Function of Mesenchymal Stromal Cell-Derived Extracellular Matrix in MDS Can be Restored By Luspatercept. <i>Blood</i> , 2019, 134, 1699-1699.	1.4	4
39	Interaction of Tumor Cells with the Hematopoietic Stem and Progenitor Cell Niche. <i>Blood</i> , 2014, 124, 5139-5139.	1.4	3
40	Myelodysplastic Syndromes and Metabolism. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11250.	4.1	3
41	Hypoxia Increases IL-8 Secretion of Mesenchymal Stroma Cells Affecting Migratory Capacity in An Autocrine Manner. <i>Blood</i> , 2008, 112, 4752-4752.	1.4	1
42	Mutant TET2 Allele Dosage Affects Response to 5-Azacididine in Acute Myeloid Leukemia. <i>Blood</i> , 2019, 134, 113-113.	1.4	1
43	Molecular cloning of bovine CD97: an EGF-TM7 molecule expressed as isoforms. <i>Molecular Immunology</i> , 2004, 41, 751-758.	2.2	0
44	Interaction of tumor cells with the hematopoietic stem and progenitor cell niche. <i>Experimental Hematology</i> , 2013, 41, S64.	0.4	0
45	Lenalidomide Modulates the Phenotype and Function of Human Mesenchymal Stromal Cells From Healthy Donors and MDS Patients.. <i>Blood</i> , 2009, 114, 3816-3816.	1.4	0
46	Hypoxia Alters the Main Characteristics of the Hematopoietic Stem and Progenitor Cell Microenvironment in Vitro. <i>Blood</i> , 2011, 118, 4803-4803.	1.4	0
47	CD97 Expression in Acute Myeloid Leukemia Is Associated with FLT3-ITD Mutation Status. <i>Blood</i> , 2014, 124, 1001-1001.	1.4	0
48	Histone Deacetylase Inhibitors As Enhancers of Human Hematopoietic Stem Cell Activity. <i>Blood</i> , 2016, 128, 5044-5044.	1.4	0
49	Impairment of the Stromal SDF-1-Mediated Hematopoietic Support By GDF-11 in MDS Is Rescued By Luspatercept. <i>Blood</i> , 2018, 132, 939-939.	1.4	0
50	Myelodysplastic Syndromes and Metabolism. <i>International Journal of Molecular Sciences</i> , 2021, 22, .	4.1	0