Thomas Moritz

List of Publications by Year
in descending order

53 papers	1,888 citations	331670 21 h-index	265206 42 g-index
53 all docs	53 docs citations	53 times ranked	2479 citing authors

#	Article	IF	Citations
1	Pulmonary macrophage transplantation therapy. Nature, 2014, 514, 450-454.	27.8	249
2	Large-Scale Hematopoietic Differentiation of Human Induced Pluripotent Stem Cells Provides Granulocytes or Macrophages for Cell Replacement Therapies. Stem Cell Reports, 2015, 4, 282-296.	4.8	173
3	Pulmonary transplantation of macrophage progenitors as effective and long-lasting therapy for hereditary pulmonary alveolar proteinosis. Science Translational Medicine, 2014, 6, 250ra113.	12.4	106
4	Bioreactor-based mass production of human iPSC-derived macrophages enables immunotherapies against bacterial airway infections. Nature Communications, 2018, 9, 5088.	12.8	105
5	miRNA screening reveals a new miRNA family stimulating iPS cell generation via regulation of Meox2. EMBO Reports, 2011, 12, 1153-1159.	4.5	91
6	Gene Correction of Human Induced Pluripotent Stem Cells Repairs the Cellular Phenotype in Pulmonary Alveolar Proteinosis. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 167-182.	5.6	85
7	TALEN-mediated functional correction of X-linked chronic granulomatous disease in patient-derived induced pluripotent stem cells. Biomaterials, 2015, 69, 191-200.	11.4	76
8	Generation of HLA-Universal iPSC-Derived Megakaryocytes and Platelets for Survival Under Refractoriness Conditions. Molecular Medicine, 2016, 22, 274-285.	4.4	74
9	A ubiquitous chromatin opening element prevents transgene silencing in pluripotent stem cells and their differentiated progeny. Stem Cells, 2013, 31, 488-499.	3.2	70
10	A minimal ubiquitous chromatin opening element (UCOE) effectively prevents silencing of juxtaposed heterologous promoters by epigenetic remodeling in multipotent and pluripotent stem cells. Nucleic Acids Research, 2015, 43, 1577-1592.	14.5	70
11	Design and Characterization of an â€œAll-in-Oneâ€•Lentiviral Vector System Combining Constitutive Anti-GD2 CAR Expression and Inducible Cytokines. Cancers, 2020, 12, 375.	3.7	68
12	Pulmonary Transplantation of Human Induced Pluripotent Stem Cellâ€“derived Macrophages Ameliorates Pulmonary Alveolar Proteinosis. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 350-360.	5.6	57
13	Hematoprotection and enrichment of transduced cells in vivo after gene transfer of MGMTP140K into hematopoietic stem cells. Cancer Gene Therapy, 2002, 9, 737-746.	4.6	52
14	Promoter and lineage independent anti-silencing activity of the A2 ubiquitous chromatin opening element for optimized human pluripotent stem cell-based gene therapy. Biomaterials, 2014, 35, 1531-1542.	11.4	42
15	iPSC-Derived Macrophages Effectively Treat Pulmonary Alveolar Proteinosis in Csf2rb-Deficient Mice. Stem Cell Reports, 2018, 11, 696-710.	4.8	40
16	Gene transfer of cytidine deaminase protects myelopoiesis from cytidine analogs in an in vivo murine transplant model. Blood, 2006, 108, 2965-2971.	1.4	34
17	Gene Therapy of Î²c-Deficient Pulmonary Alveolar Proteinosis (Î²c-PAP): Studies in a Murine in vivo Model. Molecular Therapy, 2008, 16, 757-764.	8.2	33
18	Efficient Hematopoietic Redifferentiation of Induced Pluripotent Stem Cells Derived from Primitive Murine Bone Marrow Cells. Stem Cells and Development, 2012, 21, 689-701.	2.1	28

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19	Transfer of the cytidine deaminase cDNA into hematopoietic cells. Leukemia Research, 1999, 23, 1047-1053.	0.8	26
20	Reciprocal Relationship between O6-Methylguanine-DNA Methyltransferase P140K Expression Level and Chemoprotection of Hematopoietic Stem Cells. Cancer Research, 2008, 68, 6171-6180.	0.9	24
21	Murine iPSC-Derived Macrophages as a Tool for Disease Modeling of Hereditary Pulmonary Alveolar Proteinosis due to Csf2rb Deficiency. Stem Cell Reports, 2016, 7, 292-305.	4.8	23
22	Human Effector Memory T Helper Cells Engage with Mouse Macrophages and Cause Graft-versus-Hostâ€“Like Pathology in Skin of Humanized Mice Used in a Nonclinical Immunization Study. American Journal of Pathology, 2017, 187, 1380-1398.	3.8	23
23	TALEN-mediated functional correction of human iPSC-derived macrophages in context of hereditary pulmonary alveolar proteinosis. Scientific Reports, 2017, 7, 15195.	3.3	22
24	Long-Term Safety and Efficacy of Gene-Pulmonary Macrophage Transplantation Therapy of PAP in Csf2raâ^'/â^' Mice. Molecular Therapy, 2019, 27, 1597-1611.	8.2	21
25	Inhibition of miRNA-212/132 improves the reprogramming of fibroblasts into induced pluripotent stem cells by de-repressing important epigenetic remodelling factors. Stem Cell Research, 2017, 20, 70-75.	0.7	20
26	GMP-Compliant Manufacturing of TRUCKs: CAR T Cells targeting GD2 and Releasing Inducible IL-18. Frontiers in Immunology, 2022, 13, 839783.	4.8	20
27	Hematoprotection by Transfer of Drug-Resistance Genes. Acta Haematologica, 2003, 110, 93-106.	1.4	18
28	Ex Vivo Generation of CAR Macrophages from Hematopoietic Stem and Progenitor Cells for Use in Cancer Therapy. Cells, 2022, 11, 994.	4.1	18
29	Clonal Inventory Screens Uncover Monoclonality Following Serial Transplantation ofMGMTP140K-Transduced Stem Cells and Dose-Intense Chemotherapy. Human Gene Therapy, 2011, 22, 697-710.	2.7	17
30	Monocyte/macrophage lineage commitment and distribution are affected by the lack of regulatory TÂcells in scurfy mice. European Journal of Immunology, 2016, 46, 1656-1668.	2.9	17
31	Function and Safety of Lentivirus-Mediated Gene Transfer forCSF2RA-Deficiency. Human Gene Therapy Methods, 2017, 28, 318-329.	2.1	16
32	Human iPSC-based model of severe congenital neutropenia reveals elevated UPR and DNA damage in CD34+ cells preceding leukemic transformation. Experimental Hematology, 2019, 71, 51-60.	0.4	16
33	Ex vivo Generation of Genetically Modified Macrophages from Human Induced Pluripotent Stem Cells. Transfusion Medicine and Hemotherapy, 2017, 44, 135-142.	1.6	15
34	iPSC modeling of stage-specific leukemogenesis reveals BAALC as a key oncogene in severe congenital neutropenia. Cell Stem Cell, 2021, 28, 906-922.e6.	11.1	13
35	Lentiviral MGMTP140K-mediated inÂvivo selection employing a ubiquitous chromatin opening element (A2UCOE) linked to a cellular promoter. Biomaterials, 2014, 35, 7204-7213.	11.4	12
36	Targeted Integration of Inducible Caspase-9 in Human iPSCs Allows Efficient in vitro Clearance of iPSCs and iPSC-Macrophages. International Journal of Molecular Sciences, 2020, 21, 2481.	4.1	12

#	Article	IF	Citations
37	Efficient Genetic Safety Switches for Future Application of iPSC-Derived Cell Transplants. Journal of Personalized Medicine, 2021, 11, 565.	2.5	11
38	Generation of an NFÎºB-Driven Alpharetroviral â€œAll-in-Oneâ€•Vector Construct as a Potent Tool for CAR NK Cell Therapy. Frontiers in Immunology, 2021, 12, 751138.	4.8	11
39	In vivo enrichment of cytidine deaminase gene-modified hematopoietic cells by prolonged cytosine-arabinoside application. Cytotherapy, 2012, 14, 451-460.	0.7	10
40	Myeloprotection by Cytidine Deaminase Gene Transfer in Antileukemic Therapy. Neoplasia, 2013, 15, 239-248.	5.3	10
41	Clonal Dominance With Retroviral Vector Insertions Near the ANGPT1 and ANGPT2 Genes in a Human Xenotransplant Mouse Model. Molecular Therapy - Nucleic Acids, 2014, 3, e200.	5.1	8
42	Efficiency and Safety of O⁶-Methylguanine DNA Methyltransferase (MGMT^{P140K})-MediatedIn VivoSelection in a Humanized Mouse Model. Human Gene Therapy, 2014, 25, 144-155.	2.7	8
43	The CpG-sites of the CBX3 ubiquitous chromatin opening element are critical structural determinants for the anti-silencing function. Scientific Reports, 2017, 7, 7919.	3.3	8
44	Lentiviral gene therapy and vitamin B3 treatment enable granulocytic differentiation of G6PC3-deficient induced pluripotent stem cells. Gene Therapy, 2020, 27, 297-306.	4.5	8
45	Effective hematopoietic stem cell-based gene therapy in a murine model of hereditary pulmonary alveolar proteinosis. Haematologica, 2020, 105, 1147-1157.	3.5	7
46	Chemoprotection of murine hematopoietic cells by combined gene transfer of cytidine deaminase (CDD) and multidrug resistance 1 gene (MDR1). Journal of Experimental and Clinical Cancer Research, 2015, 34, 148.	8.6	5
47	Pulmonary transplantation of alpha-1 antitrypsin (AAT)-transgenic macrophages provides a source of functional human AAT in vivo. Gene Therapy, 2021, 28, 477-493.	4.5	5
48	Modeling MyD88 Deficiency In Vitro Provides New Insights in Its Function. Frontiers in Immunology, 2020, 11, 608802.	4.8	4
49	The Ubiquitous Chromatin Opening Element (UCOE) Enhances Lentiviral Cytidine Deaminase (CDD) Expression and Drug Resistance During Hematopoietic Differentiation of Murine Induced Pluripotent Stem Cells (iPSCs),. Blood, 2011, 118, 4179-4179.	1.4	3
50	Targeting transgenic proteins to alpha granules for platelet-directed gene therapy. Molecular Therapy - Nucleic Acids, 2022, 27, 774-786.	5.1	3
51	Toward Position-independent Retroviral Vector Expression in Pluripotent Stem Cells. Molecular Therapy, 2013, 21, 1474-1477.	8.2	1
52	Doxycycline Regulatable Expression of Cytidine Deaminase Mediates Myeloprotection and Avoids Lymphotoxicity in a Murine Transplant Model. Blood, 2011, 118, 2054-2054.	1.4	0
53	IL-3 Specifies Early Hematopoietic Development from Human iPSCs and Synergizes with M-CSF and G-CSF on Myeloid Differentiation. Blood, 2014, 124, 4308-4308.	1.4	0