Matthias Ballmaier

List of Publications by Year
in descending order

93 papers	4,914 citations	109321 35 h-index	95266 68 g-index
98 all docs	98 docs citations	98 times ranked	6962 citing authors

#	Article	IF	Citations
1	CAMT-MPL: congenital amegakaryocytic thrombocytopenia caused by MPL mutations - heterogeneity of a monogenic disorder - a comprehensive analysis of 56 patients. Haematologica, 2021, 106, 2439-2448.	3.5	20
2	Polymerization of misfolded Z alpha-1 antitrypsin protein lowers CX3CR1 expression in human PBMCs. ELife, 2021, 10, .	6.0	4
3	Congenital amegakaryocytic thrombocytopenia â€“ Not a single disease. Best Practice and Research in Clinical Haematology, 2021, 34, 101286.	1.7	9
4	Repertoire characterization and validation of gB-specific human IgGs directly cloned from humanized mice vaccinated with dendritic cells and protected against HCMV. PLoS Pathogens, 2020, 16, e1008560.	4.7	16
5	Electroconvulsive therapy, changes in immune cell ratios, and their association with seizure quality and clinical outcome in depressed patients. European Neuropsychopharmacology, 2020, 36, 18-28.	0.7	9
6	Mutations of the gene FNIP1 associated with a syndromic autosomal recessive immunodeficiency with cardiomyopathy and preâ€excitation syndrome. European Journal of Immunology, 2020, 50, 1078-1080.	2.9	17
7	DNA Methylation of the t-PA Gene Differs Between Various Immune Cell Subtypes Isolated From Depressed Patients Receiving Electroconvulsive Therapy. Frontiers in Psychiatry, 2020, 11, 571.	2.6	7
8	Title is missing!. , 2020, 16, e1008560.		0
9	Title is missing!. , 2020, 16, e1008560.		0
10	Title is missing!. , 2020, 16, e1008560.		0
11	Title is missing!. , 2020, 16, e1008560.		0
12	Title is missing!. , 2020, 16, e1008560.		0
13	Title is missing!. , 2020, 16, e1008560.		0
14	Title is missing!. , 2020, 16, e1008560.		0
15	Title is missing!. , 2020, 16, e1008560.		0
16	Multimodal and Multiscale Analysis Reveals Distinct Vascular, Metabolic and Inflammatory Components of the Tissue Response to Limb Ischemia. Theranostics, 2019, 9, 152-166.	10.0	8
17	Clinic, pathogenic mechanisms and drug testing of two inherited thrombocytopenias, ANKRD26-related Thrombocytopenia and MYH9-related diseases. European Journal of Medical Genetics, 2018, 61, 715-722.	1.3	27
18	MECOM-associated syndrome: a heterogeneous inherited bone marrow failure syndrome with amegakaryocytic thrombocytopenia. Blood Advances, 2018, 2, 586-596.	5.2	75

#	Article	IF	Citations
19	A high-throughput sequencing test for diagnosing inherited bleeding, thrombotic, and platelet disorders. Blood, 2016, 127, 2791-2803.	1.4	157
20	Deciphering the impact of parameters influencing transgene expression kinetics after repeated cell transduction with integrationâ€deficient retroviral vectors. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2015, 87, 405-418.	1.5	4
21	Flow cytometric detection of MPL (CD110) as a diagnostic tool for differentiation of congenital thrombocytopenias. Haematologica, 2015, 100, e341-e344.	3.5	6
22	MYH9-Related Disease: A Novel Prognostic Model to Predict the Clinical Evolution of the Disease Based on Genotype-Phenotype Correlations. Human Mutation, 2014, 35, 236-247.	2.5	154
23	High Frequencies of Polyfunctional CD8⁺NK Cells in Chronic HIV-1 Infection Are Associated with Slower Disease Progression. Journal of Virology, 2014, 88, 12397-12408.	3.4	52
24	FcÎ³RIII (CD16)â€mediated ADCC by NKÂcells is regulated by monocytes and FcÎ³RII (CD32). European Journal of Immunology, 2014, 44, 3368-3379.	2.9	29
25	The Spectrum ofELANEMutations and their Implications in Severe Congenital and Cyclic Neutropenia. Human Mutation, 2013, 34, 905-914.	2.5	81
26	Activated human hepatic stellate cells induce myeloid derived suppressor cells from peripheral blood monocytes in a CD44-dependent fashion. Journal of Hepatology, 2013, 59, 528-535.	3.7	117
27	Critical role for miR-181a/b-1 in agonist selection of invariant natural killer T cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7407-7412.	7.1	90
28	Congenital amegakaryocytic thrombocytopenia (CAMT) presenting as severe pancytopenia in the first month of life. Pediatric Blood and Cancer, 2013, 60, E94-E96.	1.5	16
29	Detection of Putative Cancer Stem Cells of the Side Population Phenotype in Human Tumor Cell Cultures. Methods in Molecular Biology, 2012, 878, 201-215.	0.9	18
30	Role of Suppressor of Cytokine Signaling-1 In Murine Atherosclerosis. PLoS ONE, 2012, 7, e51608.	2.5	8
31	Loss of CCR7 Expression on CD56bright NK Cells Is Associated with a CD56dimCD16+ NK Cell-Like Phenotype and Correlates with HIV Viral Load. PLoS ONE, 2012, 7, e44820.	2.5	34
32	Acute-Phase Protein Î±1-Antitrypsin Inhibits Neutrophil Calpain I and Induces Random Migration. Molecular Medicine, 2011, 17, 865-874.	4.4	54
33	Lentiviral gene transfer regenerates hematopoietic stem cells in a mouse model for Mpl-deficient aplastic anemia. Blood, 2011, 117, 3737-3747.	1.4	27
34	Optimal reprogramming factor stoichiometry increases colony numbers and affects molecular characteristics of murine induced pluripotent stem cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 426-435.	1.5	61
35	Congenital Amegakaryocytic Thrombocytopenia: Clinical Presentation, Diagnosis, and Treatment. Seminars in Thrombosis and Hemostasis, 2011, 37, 673-681.	2.7	124
36	Digenic mutations in severe congenital neutropenia. Haematologica, 2010, 95, 1207-1210.	3.5	51

#	Article	IF	Citations
37	Multiple extrathymic precursors contribute to T-cell development with different kinetics. Blood, 2010, 115, 1137-1144.	1.4	44
38	MYH9-related disease: Report on five German families and description of a novel mutation. Annals of Hematology, 2010, 89, 1057-1059.	1.8	8
39	Expression pattern of the thrombopoietin receptor (Mpl) in the murine central nervous system. BMC Developmental Biology, 2010, 10, 77.	2.1	10
40	Down-regulation of the Fetal Stem Cell Factor SOX17 by H33342. Journal of Biological Chemistry, 2010, 285, 6412-6418.	3.4	17
41	Gene Therapy of Mpl Deficiency: Challenging Balance Between Leukemia and Pancytopenia. Molecular Therapy, 2010, 18, 343-352.	8.2	27
42	HIV Infection Is Associated with a Preferential Decline in Less-Differentiated CD56^{dim}CD16⁺NK Cells. Journal of Virology, 2010, 84, 1183-1188.	3.4	68
43	Phenotypically and functionally distinct subsets contribute to the expansion of CD56âˆ'/CD16+ natural killer cells in HIV infection. Aids, 2010, 24, 1823-1834.	2.2	40
44	Common Î³-Chain-Dependent Signals Confer Selective Survival of Eosinophils in the Murine Small Intestine. Journal of Immunology, 2009, 183, 5600-5607.	0.8	104
45	Comprehensive genetic and functional characterization of IPHâ€926: a novel CDH1â€null tumour cell line from human lobular breast cancer. Journal of Pathology, 2009, 217, 620-632.	4.5	32
46	Familial thrombocytosis caused by the novel germâ€line mutation p.Pro106Leu in the MPL gene. British Journal of Haematology, 2009, 144, 185-194.	2.5	69
47	Advances in the understanding of congenital amegakaryocytic thrombocytopenia. British Journal of Haematology, 2009, 146, 3-16.	2.5	74
48	Exogenous HIV-1 Vpr disrupts IFN-Î± response by plasmacytoid dendritic cells (pDCs) and subsequent pDC/NK interplay. Immunology Letters, 2009, 125, 100-104.	2.5	18
49	Biclonal expansion and heterogeneous lineage involvement in a case of chronic myeloproliferative disease with concurrent MPLW515L/JAK2V617F mutation. Blood, 2009, 113, 1391-1392.	1.4	26
50	In vivo expansion of cells expressing acquired CSF3R mutations in patients with severe congenital neutropenia. Blood, 2009, 113, 668-670.	1.4	23
51	RAS and CSF3R mutations in severe congenital neutropenia. Blood, 2009, 114, 3504-3505.	1.4	7
52	Upâ€regulation of plateletâ€derived growth factor by peripheralâ€blood leukocytes during experimental allergic encephalomyelitis. Journal of Neuroscience Research, 2008, 86, 392-402.	2.9	23
53	KAI1/CD82 is a novel target of estrogen receptorâ€mediated gene repression and downregulated in primary human breast cancer. International Journal of Cancer, 2008, 123, 2239-2246.	5.1	33
54	A New Population of Myeloid-Derived Suppressor Cells in Hepatocellular Carcinoma Patients Induces CD4+CD25+Foxp3+ T Cells. Gastroenterology, 2008, 135, 234-243.	1.3	722

#	Article	IF	Citations
55	The Wilms' tumor suppressor Wt1 activates transcription of the erythropoietin receptor in hematopoietic progenitor cells. FASEB Journal, 2008, 22, 2690-2701.	0.5	21
56	CX3CR1+c-kit+ Bone Marrow Cells Give Rise to CD103+ and CD103â^' Dendritic Cells with Distinct Functional Properties. Journal of Immunology, 2008, 181, 6178-6188.	0.8	41
57	Novel HAX1 mutations in patients with severe congenital neutropenia reveal isoform-dependent genotype-phenotype associations. Blood, 2008, 111, 4954-4957.	1.4	121
58	G-CSF receptor mutations in patients with congenital neutropenia. Current Opinion in Hematology, 2008, 15, 332-337.	2.5	43
59	Ectopic Expression of the Extracellular Domain of Mpl Is Sufficient to Induce a Hematopoietic Population Crisis. Blood, 2008, 112, 2886-2886.	1.4	4
60	Incidence of CSF3R mutations in severe congenital neutropenia and relevance for leukemogenesis: results of a long-term survey. Blood, 2007, 109, 93-99.	1.4	202
61	The angiogenic factor CCN1 promotes adhesion and migration of circulating CD34+ progenitor cells: potential role in angiogenesis and endothelial regeneration. Blood, 2007, 110, 877-885.	1.4	102
62	Large granular lymphocyte proliferation and revertant mosaicism: two rare events in a Wiskott-Aldrich syndrome patient. Haematologica, 2007, 92, e43-e45.	3.5	20
63	FACS-isolation of Salmonella-infected cells with defined bacterial load from mouse spleen. Journal of Microbiological Methods, 2007, 71, 220-224.	1.6	20
64	Familial polycythemia vera with non-germ line JAK2V617F mutation sparing the abnormal and clonal granulopoiesis. Leukemia, 2007, 21, 2566-2568.	7.2	13
65	Grafting of thrombopoietin-mimetic peptides into cystine knot miniproteins yields high-affinity thrombopoietin antagonists and agonists. FEBS Journal, 2007, 274, 86-95.	4.7	57
66	Identification of a distinct side population of cancer cells in the Cal-51 human breast carcinoma cell line. Molecular and Cellular Biochemistry, 2007, 306, 201-212.	3.1	83
67	In Vivo Growth Advantage of Cells Expressing Acquired CSF3R Mutations in Patients with Severe Congenital Neutropenia.. Blood, 2007, 110, 3296-3296.	1.4	1
68	Serial Analysis of Hematopoietic Progenitors in Mplâ^'/â^' Mice.. Blood, 2007, 110, 2100-2100.	1.4	0
69	Robust Salmonella metabolism limits possibilities for new antimicrobials. Nature, 2006, 440, 303-307.	27.8	327
70	Retroviral WASP gene transfer into human hematopoietic stem cells reconstitutes the actin cytoskeleton in myeloid progeny cells differentiated in vitro. Experimental Hematology, 2006, 34, 1161-1169.	0.4	30
71	B-CLL developing in a patient with PV is not affected by V617F mutation of the Janus kinase 2. European Journal of Haematology, 2006, 77, 539-541.	2.2	29
72	MPL mutations in 23 patients suffering from congenital amegakaryocytic thrombocytopenia: the type of mutation predicts the course of the disease. Human Mutation, 2006, 27, 296-296.	2.5	98

#	Article	IF	Citations
73	Thrombopoietin Regulates Differentiation of Rhesus Monkey Embryonic Stem Cells to Hematopoietic Cells. Annals of the New York Academy of Sciences, 2005, 1044, 29-40.	3.8	10
74	Congenital amegakaryocytic thrombocytopenia: a retrospective clinical analysis of 20 patients. British Journal of Haematology, 2005, 131, 636-644.	2.5	108
75	Haematopoietic stem cells improve cardiac function after infarction without permanent cardiac engraftment. European Journal of Heart Failure, 2005, 7, 722-729.	7.1	41
76	RAS and G-CSF Receptor Mutations Are Mutually Exclusive in Leukemogenesis in Severe Congenital Neutropenia.. Blood, 2005, 106, 3073-3073.	1.4	2
77	c-mpl Mutations in Congenital Amegakaryocytic Thrombocytopenia: Residual TPO Receptor Activity in Patients of Group CAMT II.. Blood, 2005, 106, 2157-2157.	1.4	0
78	Congenital Amegakaryocytic Thrombocytopenia (CAMT): A Detailed Clinical Analysis of 21 Cases Reveals Different Types of CAMT.. Blood, 2004, 104, 740-740.	1.4	4
79	Thrombopoietin Is Essential for the Maintenance of Normal Hematopoiesis in Humans. Annals of the New York Academy of Sciences, 2003, 996, 17-25.	3.8	75
80	c-mpl mutations are the cause of congenital amegakaryocytic thrombocytopenia. Blood, 2001, 97, 139-146.	1.4	327
81	Granulocyte colony-stimulating factor receptor mutations in a patient with acute lymphoblastic leukemia secondary to severe congenital neutropenia. Blood, 2001, 97, 829-830.	1.4	32
82	Mutations in the gene encoding neutrophil elastase (ELA2) are not sufficient to cause the phenotype of congenital neutropenia. British Journal of Haematology, 2001, 115, 222-224.	2.5	54
83	Concentrations of Thrombopoietin and Interleukin-11 in the Umbilical Cord Blood of Patients with Fetal Alloimmune Thrombocytopenia. American Journal of Perinatology, 2001, 18, 335-344.	1.4	13
84	Implications of Mutations in Hematopoietic Growth Factor Receptor Genes in Congenital Cytopenias. Annals of the New York Academy of Sciences, 2001, 938, 305-321.	3.8	33
85	Thrombopoietin induces the generation of distinct Stat1, Stat3, Stat5a and Stat5b homo- and heterodimeric complexes with different kinetics in human platelets. Experimental Hematology, 2000, 28, 294-304.	0.4	43
86	Human Endothelial Cells Regulate Survival and Proliferation of Human Mast Cells. Journal of Experimental Medicine, 2000, 192, 801-812.	8.5	101
87	Serum levels of thrombopoietin, IL-11, and IL-6 in pediatric thrombocytopenias. Annals of Hematology, 1999, 78, 401-407.	1.8	32
88	Thrombopoietin Acts Synergistically on Ca2+ Mobilization in Platelets Caused by ADP or Thrombin Receptor Agonist Peptide. Biochemical and Biophysical Research Communications, 1999, 263, 230-238.	2.1	6
89	Defective c‐Mpl signaling in the syndrome of thrombocytopenia with absent radii. Stem Cells, 1998, 16, 177-184.	3.2	25
90	Downregulation of c-kit Expression in Human Endothelial Cells by Inflammatory Stimuli. Blood, 1997, 90, 148-155.	1.4	39

#	Article	IF	Citations
91	Thrombopoietin in Patients With Congenital Thrombocytopenia and Absent Radii: Elevated Serum Levels, Normal Receptor Expression, But Defective Reactivity to Thrombopoietin. Blood, 1997, 90, 612-619.	1.4	121
92	Downregulation of c-kit Expression in Human Endothelial Cells by Inflammatory Stimuli. Blood, 1997, 90, 148-155.	1.4	7
93	Thrombopoietin in Patients With Congenital Thrombocytopenia and Absent Radii: Elevated Serum Levels, Normal Receptor Expression, But Defective Reactivity to Thrombopoietin. Blood, 1997, 90, 612-619.	1.4	4