

# Matthias Ballmaier

## List of Publications by Year in descending order

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93  
papers

4,914  
citations

125106

35  
h-index

107981

68  
g-index

98  
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98  
docs citations

98  
times ranked

7590  
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. <i>Haematologica</i> , 2021, 106, 2439-2448.	1.7	20
2	Polymerization of misfolded Z alpha-1 antitrypsin protein lowers CX3CR1 expression in human PBMCs. <i>ELife</i> , 2021, 10, .	2.8	4
3	Congenital amegakaryocytic thrombocytopenia â€œ Not a single disease. <i>Best Practice and Research in Clinical Haematology</i> , 2021, 34, 101286.	0.7	9
4	Repertoire characterization and validation of gB-specific human IgGs directly cloned from humanized mice vaccinated with dendritic cells and protected against HCMV. <i>PLoS Pathogens</i> , 2020, 16, e1008560.	2.1	16
5	Electroconvulsive therapy, changes in immune cell ratios, and their association with seizure quality and clinical outcome in depressed patients. <i>European Neuropsychopharmacology</i> , 2020, 36, 18-28.	0.3	9
6	Mutations of the gene <i>FNIP1</i> associated with a syndromic autosomal recessive immunodeficiency with cardiomyopathy and preâ€œexcitation syndrome. <i>European Journal of Immunology</i> , 2020, 50, 1078-1080.	1.6	17
7	DNA Methylation of the t-PA Gene Differs Between Various Immune Cell Subtypes Isolated From Depressed Patients Receiving Electroconvulsive Therapy. <i>Frontiers in Psychiatry</i> , 2020, 11, 571.	1.3	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. <i>Theranostics</i> , 2019, 9, 152-166.	4.6	8
17	Clinic, pathogenic mechanisms and drug testing of two inherited thrombocytopenias, ANKRD26-related Thrombocytopenia and MYH9-related diseases. <i>European Journal of Medical Genetics</i> , 2018, 61, 715-722.	0.7	27
18	MECOM-associated syndrome: a heterogeneous inherited bone marrow failure syndrome with amegakaryocytic thrombocytopenia. <i>Blood Advances</i> , 2018, 2, 586-596.	2.5	75

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19	A high-throughput sequencing test for diagnosing inherited bleeding, thrombotic, and platelet disorders. <i>Blood</i> , 2016, 127, 2791-2803.	0.6	157
20	Deciphering the impact of parameters influencing transgene expression kinetics after repeated cell transduction with integration-deficient retroviral vectors. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015, 87, 405-418.	1.1	4
21	Flow cytometric detection of MPL (CD110) as a diagnostic tool for differentiation of congenital thrombocytopenias. <i>Haematologica</i> , 2015, 100, e341-e344.	1.7	6
22	<i>MYH9</i> -Related Disease: A Novel Prognostic Model to Predict the Clinical Evolution of the Disease Based on Genotype-Phenotype Correlations. <i>Human Mutation</i> , 2014, 35, 236-247.	1.1	154
23	High Frequencies of Polyfunctional CD8 <sup>+</sup> NK Cells in Chronic HIV-1 Infection Are Associated with Slower Disease Progression. <i>Journal of Virology</i> , 2014, 88, 12397-12408.	1.5	52
24	Fc $\gamma$ RIII (CD16)-mediated ADCC by NK cells is regulated by monocytes and Fc $\gamma$ RII (CD32). <i>European Journal of Immunology</i> , 2014, 44, 3368-3379.	1.6	29
25	The Spectrum of <i>ELANE</i> Mutations and their Implications in Severe Congenital and Cyclic Neutropenia. <i>Human Mutation</i> , 2013, 34, 905-914.	1.1	81
26	Activated human hepatic stellate cells induce myeloid derived suppressor cells from peripheral blood monocytes in a CD44-dependent fashion. <i>Journal of Hepatology</i> , 2013, 59, 528-535.	1.8	117
27	Critical role for miR-181a/b-1 in agonist selection of invariant natural killer T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7407-7412.	3.3	90
28	Congenital amegakaryocytic thrombocytopenia (CAMT) presenting as severe pancytopenia in the first month of life. <i>Pediatric Blood and Cancer</i> , 2013, 60, E94-E96.	0.8	16
29	Detection of Putative Cancer Stem Cells of the Side Population Phenotype in Human Tumor Cell Cultures. <i>Methods in Molecular Biology</i> , 2012, 878, 201-215.	0.4	18
30	Role of Suppressor of Cytokine Signaling-1 In Murine Atherosclerosis. <i>PLoS ONE</i> , 2012, 7, e51608.	1.1	8
31	Loss of CCR7 Expression on CD56 <sup>bright</sup> NK Cells Is Associated with a CD56 <sup>dim</sup> CD16 <sup>+</sup> NK Cell-Like Phenotype and Correlates with HIV Viral Load. <i>PLoS ONE</i> , 2012, 7, e44820.	1.1	34
32	Acute-Phase Protein $\alpha$ 1-Antitrypsin Inhibits Neutrophil Calpain I and Induces Random Migration. <i>Molecular Medicine</i> , 2011, 17, 865-874.	1.9	54
33	Lentiviral gene transfer regenerates hematopoietic stem cells in a mouse model for Mpl-deficient aplastic anemia. <i>Blood</i> , 2011, 117, 3737-3747.	0.6	27
34	Optimal reprogramming factor stoichiometry increases colony numbers and affects molecular characteristics of murine induced pluripotent stem cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 426-435.	1.1	61
35	Congenital Amegakaryocytic Thrombocytopenia: Clinical Presentation, Diagnosis, and Treatment. <i>Seminars in Thrombosis and Hemostasis</i> , 2011, 37, 673-681.	1.5	124
36	Digenic mutations in severe congenital neutropenia. <i>Haematologica</i> , 2010, 95, 1207-1210.	1.7	51

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37	Multiple extrathymic precursors contribute to T-cell development with different kinetics. <i>Blood</i> , 2010, 115, 1137-1144.	0.6	44
38	MYH9-related disease: Report on five German families and description of a novel mutation. <i>Annals of Hematology</i> , 2010, 89, 1057-1059.	0.8	8
39	Expression pattern of the thrombopoietin receptor (Mpl) in the murine central nervous system. <i>BMC Developmental Biology</i> , 2010, 10, 77.	2.1	10
40	Down-regulation of the Fetal Stem Cell Factor SOX17 by H33342. <i>Journal of Biological Chemistry</i> , 2010, 285, 6412-6418.	1.6	17
41	Gene Therapy of Mpl Deficiency: Challenging Balance Between Leukemia and Pancytopenia. <i>Molecular Therapy</i> , 2010, 18, 343-352.	3.7	27
42	HIV Infection Is Associated with a Preferential Decline in Less-Differentiated CD56 <sup>dim</sup> CD16 <sup>+</sup> NK Cells. <i>Journal of Virology</i> , 2010, 84, 1183-1188.	1.5	68
43	Phenotypically and functionally distinct subsets contribute to the expansion of CD56 <sup>hi</sup> /CD16 <sup>+</sup> natural killer cells in HIV infection. <i>Aids</i> , 2010, 24, 1823-1834.	1.0	40
44	Common $\beta$ -Chain-Dependent Signals Confer Selective Survival of Eosinophils in the Murine Small Intestine. <i>Journal of Immunology</i> , 2009, 183, 5600-5607.	0.4	104
45	Comprehensive genetic and functional characterization of IPH $\epsilon$ 926; a novel CDH1 <sup>Δ</sup> tumour cell line from human lobular breast cancer. <i>Journal of Pathology</i> , 2009, 217, 620-632.	2.1	32
46	Familial thrombocytosis caused by the novel germline mutation p.Pro106Leu in the <i>MPL</i> gene. <i>British Journal of Haematology</i> , 2009, 144, 185-194.	1.2	69
47	Advances in the understanding of congenital amegakaryocytic thrombocytopenia. <i>British Journal of Haematology</i> , 2009, 146, 3-16.	1.2	74
48	Exogenous HIV-1 Vpr disrupts IFN- $\gamma$ response by plasmacytoid dendritic cells (pDCs) and subsequent pDC/NK interplay. <i>Immunology Letters</i> , 2009, 125, 100-104.	1.1	18
49	Biclonal expansion and heterogeneous lineage involvement in a case of chronic myeloproliferative disease with concurrent MPLW515L/JAK2V617F mutation. <i>Blood</i> , 2009, 113, 1391-1392.	0.6	26
50	In vivo expansion of cells expressing acquired CSF3R mutations in patients with severe congenital neutropenia. <i>Blood</i> , 2009, 113, 668-670.	0.6	23
51	RAS and CSF3R mutations in severe congenital neutropenia. <i>Blood</i> , 2009, 114, 3504-3505.	0.6	7
52	Up-regulation of platelet-derived growth factor by peripheral blood leukocytes during experimental allergic encephalomyelitis. <i>Journal of Neuroscience Research</i> , 2008, 86, 392-402.	1.3	23
53	KAI1/CD82 is a novel target of estrogen receptor-mediated gene repression and downregulated in primary human breast cancer. <i>International Journal of Cancer</i> , 2008, 123, 2239-2246.	2.3	33
54	A New Population of Myeloid-Derived Suppressor Cells in Hepatocellular Carcinoma Patients Induces CD4 <sup>+</sup> CD25 <sup>+</sup> Foxp3 <sup>+</sup> T Cells. <i>Gastroenterology</i> , 2008, 135, 234-243.	0.6	722

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55	The Wilms' tumor suppressor Wt1 activates transcription of the erythropoietin receptor in hematopoietic progenitor cells. <i>FASEB Journal</i> , 2008, 22, 2690-2701.	0.2	21
56	CX3CR1+c-kit+ Bone Marrow Cells Give Rise to CD103+ and CD103 <sup>hi</sup> Dendritic Cells with Distinct Functional Properties. <i>Journal of Immunology</i> , 2008, 181, 6178-6188.	0.4	41
57	Novel HAX1 mutations in patients with severe congenital neutropenia reveal isoform-dependent genotype-phenotype associations. <i>Blood</i> , 2008, 111, 4954-4957.	0.6	121
58	G-CSF receptor mutations in patients with congenital neutropenia. <i>Current Opinion in Hematology</i> , 2008, 15, 332-337.	1.2	43
59	Ectopic Expression of the Extracellular Domain of Mpl Is Sufficient to Induce a Hematopoietic Population Crisis. <i>Blood</i> , 2008, 112, 2886-2886.	0.6	4
60	Incidence of CSF3R mutations in severe congenital neutropenia and relevance for leukemogenesis: results of a long-term survey. <i>Blood</i> , 2007, 109, 93-99.	0.6	202
61	The angiogenic factor CCN1 promotes adhesion and migration of circulating CD34+ progenitor cells: potential role in angiogenesis and endothelial regeneration. <i>Blood</i> , 2007, 110, 877-885.	0.6	102
62	Large granular lymphocyte proliferation and revertant mosaicism: two rare events in a Wiskott-Aldrich syndrome patient. <i>Haematologica</i> , 2007, 92, e43-e45.	1.7	20
63	FACS-isolation of Salmonella-infected cells with defined bacterial load from mouse spleen. <i>Journal of Microbiological Methods</i> , 2007, 71, 220-224.	0.7	20
64	Familial polycythemia vera with non-germ line JAK2V617F mutation sparing the abnormal and clonal granulopoiesis. <i>Leukemia</i> , 2007, 21, 2566-2568.	3.3	13
65	Grafting of thrombopoietin-mimetic peptides into cystine knot miniproteins yields high-affinity thrombopoietin antagonists and agonists. <i>FEBS Journal</i> , 2007, 274, 86-95.	2.2	57
66	Identification of a distinct side population of cancer cells in the Cal-51 human breast carcinoma cell line. <i>Molecular and Cellular Biochemistry</i> , 2007, 306, 201-212.	1.4	83
67	In Vivo Growth Advantage of Cells Expressing Acquired CSF3R Mutations in Patients with Severe Congenital Neutropenia.. <i>Blood</i> , 2007, 110, 3296-3296.	0.6	1
68	Serial Analysis of Hematopoietic Progenitors in Mpl <sup>hi</sup> /Mpl <sup>hi</sup> Mice.. <i>Blood</i> , 2007, 110, 2100-2100.	0.6	0
69	Robust Salmonella metabolism limits possibilities for new antimicrobials. <i>Nature</i> , 2006, 440, 303-307.	13.7	327
70	Retroviral WASP gene transfer into human hematopoietic stem cells reconstitutes the actin cytoskeleton in myeloid progeny cells differentiated in vitro. <i>Experimental Hematology</i> , 2006, 34, 1161-1169.	0.2	30
71	B-CLL developing in a patient with PV is not affected by V617F mutation of the Janus kinase 2. <i>European Journal of Haematology</i> , 2006, 77, 539-541.	1.1	29
72	MPL mutations in 23 patients suffering from congenital amegakaryocytic thrombocytopenia: the type of mutation predicts the course of the disease. <i>Human Mutation</i> , 2006, 27, 296-296.	1.1	98

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73	Thrombopoietin Regulates Differentiation of Rhesus Monkey Embryonic Stem Cells to Hematopoietic Cells. <i>Annals of the New York Academy of Sciences</i> , 2005, 1044, 29-40.	1.8	10
74	Congenital amegakaryocytic thrombocytopenia: a retrospective clinical analysis of 20 patients. <i>British Journal of Haematology</i> , 2005, 131, 636-644.	1.2	108
75	Haematopoietic stem cells improve cardiac function after infarction without permanent cardiac engraftment. <i>European Journal of Heart Failure</i> , 2005, 7, 722-729.	2.9	41
76	RAS and G-CSF Receptor Mutations Are Mutually Exclusive in Leukemogenesis in Severe Congenital Neutropenia.. <i>Blood</i> , 2005, 106, 3073-3073.	0.6	2
77	c-mpl Mutations in Congenital Amegakaryocytic Thrombocytopenia: Residual TPO Receptor Activity in Patients of Group CAMT II.. <i>Blood</i> , 2005, 106, 2157-2157.	0.6	0
78	Congenital Amegakaryocytic Thrombocytopenia (CAMT): A Detailed Clinical Analysis of 21 Cases Reveals Different Types of CAMT.. <i>Blood</i> , 2004, 104, 740-740.	0.6	4
79	Thrombopoietin Is Essential for the Maintenance of Normal Hematopoiesis in Humans. <i>Annals of the New York Academy of Sciences</i> , 2003, 996, 17-25.	1.8	75
80	c-mpl mutations are the cause of congenital amegakaryocytic thrombocytopenia. <i>Blood</i> , 2001, 97, 139-146.	0.6	327
81	Granulocyte colony-stimulating factor receptor mutations in a patient with acute lymphoblastic leukemia secondary to severe congenital neutropenia. <i>Blood</i> , 2001, 97, 829-830.	0.6	32
82	Mutations in the gene encoding neutrophil elastase (ELA2 ) are not sufficient to cause the phenotype of congenital neutropenia. <i>British Journal of Haematology</i> , 2001, 115, 222-224.	1.2	54
83	Concentrations of Thrombopoietin and Interleukin-11 in the Umbilical Cord Blood of Patients with Fetal Alloimmune Thrombocytopenia. <i>American Journal of Perinatology</i> , 2001, 18, 335-344.	0.6	13
84	Implications of Mutations in Hematopoietic Growth Factor Receptor Genes in Congenital Cytopenias. <i>Annals of the New York Academy of Sciences</i> , 2001, 938, 305-321.	1.8	33
85	Thrombopoietin induces the generation of distinct Stat1, Stat3, Stat5a and Stat5b homo- and heterodimeric complexes with different kinetics in human platelets. <i>Experimental Hematology</i> , 2000, 28, 294-304.	0.2	43
86	Human Endothelial Cells Regulate Survival and Proliferation of Human Mast Cells. <i>Journal of Experimental Medicine</i> , 2000, 192, 801-812.	4.2	101
87	Serum levels of thrombopoietin, IL-11, and IL-6 in pediatric thrombocytopenias. <i>Annals of Hematology</i> , 1999, 78, 401-407.	0.8	32
88	Thrombopoietin Acts Synergistically on Ca <sup>2+</sup> Mobilization in Platelets Caused by ADP or Thrombin Receptor Agonist Peptide. <i>Biochemical and Biophysical Research Communications</i> , 1999, 263, 230-238.	1.0	6
89	Defective c&hyphen;Mpl signaling in the syndrome of thrombocytopenia with absent radii. <i>Stem Cells</i> , 1998, 16, 177-184.	1.4	25
90	Downregulation of c-kit Expression in Human Endothelial Cells by Inflammatory Stimuli. <i>Blood</i> , 1997, 90, 148-155.	0.6	39

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91	Thrombopoietin in Patients With Congenital Thrombocytopenia and Absent Radii: Elevated Serum Levels, Normal Receptor Expression, But Defective Reactivity to Thrombopoietin. <i>Blood</i> , 1997, 90, 612-619.	0.6	121
92	Downregulation of c-kit Expression in Human Endothelial Cells by Inflammatory Stimuli. <i>Blood</i> , 1997, 90, 148-155.	0.6	7
93	Thrombopoietin in Patients With Congenital Thrombocytopenia and Absent Radii: Elevated Serum Levels, Normal Receptor Expression, But Defective Reactivity to Thrombopoietin. <i>Blood</i> , 1997, 90, 612-619.	0.6	4