

Thalia Papayannopoulou

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61

papers

3,151

citations

22

h-index

56

g-index

63

ext. papers

3,682

ext. citations

7.4

avg, IF

4.75

L-index

#	Paper	IF	Citations
61	A comparative encyclopedia of DNA elements in the mouse genome. <i>Nature</i> , 2014 , 515, 355-64	50.4	1026
60	Developmental regulation of human fetal-to-adult globin gene switching in transgenic mice. <i>Nature</i> , 1990 , 344, 309-13	50.4	323
59	Current mechanistic scenarios in hematopoietic stem/progenitor cell mobilization. <i>Blood</i> , 2004 , 103, 1580-5	2.2	195
58	Anti- α LA4/VCAM-1-Induced Mobilization Requires Cooperative Signaling Through the kit/mkit Ligand Pathway. <i>Blood</i> , 1998 , 91, 2231-2239	2.2	192
57	Mouse regulatory DNA landscapes reveal global principles of cis-regulatory evolution. <i>Science</i> , 2014 , 346, 1007-12	33.3	184
56	Human Platelets Display High-Affinity Receptors for Thrombopoietin. <i>Blood</i> , 1997 , 89, 1896-1904	2.2	133
55	A self-sustained loop of inflammation-driven inhibition of beige adipogenesis in obesity. <i>Nature Immunology</i> , 2017 , 18, 654-664	19.1	104
54	Functional footprinting of regulatory DNA. <i>Nature Methods</i> , 2015 , 12, 927-30	21.6	103
53	The role of G-protein signaling in hematopoietic stem/progenitor cell mobilization. <i>Blood</i> , 2003 , 101, 4739-47	2.2	92
52	Bone marrow homing: the players, the playfield, and their evolving roles. <i>Current Opinion in Hematology</i> , 2003 , 10, 214-9	3.3	78
51	In vivo transduction of primitive mobilized hematopoietic stem cells after intravenous injection of integrating adenovirus vectors. <i>Blood</i> , 2016 , 128, 2206-2217	2.2	59
50	Disruption of the BCL11A Erythroid Enhancer Reactivates Fetal Hemoglobin in Erythroid Cells of Patients with β -Thalassemia Major. <i>Molecular Therapy - Methods and Clinical Development</i> , 2018 , 10, 313-326	6.4	58
49	2p15-p16.1 microdeletions encompassing and proximal to BCL11A are associated with elevated HbF in addition to neurologic impairment. <i>Blood</i> , 2015 , 126, 89-93	2.2	55
48	Defect in glycosylation of erythrocyte membrane proteins in congenital dyserythropoietic anaemia type II (HEMPAS). <i>British Journal of Haematology</i> , 1984 , 56, 55-68	4.5	51
47	HDAd5/35 Adenovirus Vector Expressing Anti-CRISPR Peptides Decreases CRISPR/Cas9 Toxicity in Human Hematopoietic Stem Cells. <i>Molecular Therapy - Methods and Clinical Development</i> , 2018 , 9, 390-401	6.4	42
46	Therapeutic targeting and rapid mobilization of endosteal HSC using a small molecule integrin antagonist. <i>Nature Communications</i> , 2016 , 7, 11007	17.4	42
45	IL-1 β and complement cooperate in triggering local neutrophilic inflammation in response to adenovirus and eliminating virus-containing cells. <i>PLoS Pathogens</i> , 2014 , 10, e1004035	7.6	34

44	Cytokine Prestimulation as a Gene Therapy Strategy: Implications for Using the MDR1 Gene as a Dominant Selectable Marker. <i>Blood</i> , 1997 , 89, 146-154	2.2	33
43	Increase in circulating SDF-1 after treatment with sulfated glycans. The role of SDF-1 in mobilization. <i>Annals of the New York Academy of Sciences</i> , 2001 , 938, 48-52; discussion 52-3	6.5	30
42	In vivo hematopoietic stem cell gene therapy ameliorates murine thalassemia intermedia. <i>Journal of Clinical Investigation</i> , 2019 , 129, 598-615	15.9	30
41	Hematopoietic stem/progenitor cell mobilization. A continuing quest for etiologic mechanisms. <i>Annals of the New York Academy of Sciences</i> , 1999 , 872, 187-97; discussion 197-9	6.5	29
40	A Combined HSC Transduction/Selection Approach Results in Efficient and Stable Gene Expression in Peripheral Blood Cells in Mice. <i>Molecular Therapy - Methods and Clinical Development</i> , 2018 , 8, 52-64	6.4	23
39	Hemopoietic lineage commitment decisions: in vivo evidence from a transgenic mouse model harboring β CR- β ro-LacZ as a transgene. <i>Blood</i> , 2000 , 95, 1274-1282	2.2	22
38	Integrating HDAd5/35++ Vectors as a New Platform for HSC Gene Therapy of Hemoglobinopathies. <i>Molecular Therapy - Methods and Clinical Development</i> , 2018 , 9, 142-152	6.4	21
37	Targeted Integration and High-Level Transgene Expression in AAVS1 Transgenic Mice after In Vivo HSC Transduction with HDAd5/35++ Vectors. <i>Molecular Therapy</i> , 2019 , 27, 2195-2212	11.7	21
36	Stage-specific functional roles of integrins in murine erythropoiesis. <i>Experimental Hematology</i> , 2014 , 42, 404-409.e4	3.1	19
35	In Vivo Hematopoietic Stem Cell Transduction. <i>Hematology/Oncology Clinics of North America</i> , 2017 , 31, 771-785	3.1	19
34	The macrophage contribution to stress erythropoiesis: when less is enough. <i>Blood</i> , 2016 , 128, 1756-65	2.2	18
33	Brief Report: A Differential Transcriptomic Profile of Ex Vivo Expanded Adult Human Hematopoietic Stem Cells Empowers Them for Engraftment Better than Their Surface Phenotype. <i>Stem Cells Translational Medicine</i> , 2017 , 6, 1852-1858	6.9	14
32	High-level protein production in erythroid cells derived from in vivo transduced hematopoietic stem cells. <i>Blood Advances</i> , 2019 , 3, 2883-2894	7.8	14
31	Deletion of Dicer in late erythroid cells results in impaired stress erythropoiesis in mice. <i>Experimental Hematology</i> , 2014 , 42, 852-6.e1	3.1	9
30	Patterns of spectrin transcripts in erythroid and non-erythroid cells. <i>Journal of Cellular Physiology</i> , 1990 , 144, 287-94	7	9
29	A haemoglobin switching activity modulates hereditary persistence of fetal haemoglobin. <i>Nature</i> , 1984 , 309, 71-3	50.4	9
28	Curative in vivo hematopoietic stem cell gene therapy of murine thalassemia using large regulatory elements. <i>JCI Insight</i> , 2020 , 5,	9.9	8
27	GM 58/8: a monoclonal antibody that identifies a new lineage-specific determinant expressed by myeloid progenitors (CFU-GM) and their progeny. <i>British Journal of Haematology</i> , 1984 , 58, 147-58	4.5	7

26	Anti α LA4/VCAM-1 β Induced Mobilization Requires Cooperative Signaling Through the kit/mkit Ligand Pathway. <i>Blood</i> , 1998 , 91, 2231-2239	2.2	7
25	Anomalous cell surface structure of sickle cell anemia erythrocytes as demonstrated by cell surface labeling and endo-beta-galactosidase treatment. <i>Journal of Supramolecular Structure and Cellular Biochemistry</i> , 1981 , 17, 289-97		5
24	Human hemoglobin switching: insights from studies of erythroid cultures. <i>Journal of Cellular Physiology</i> , 1982 , 1, 145-9	7	4
23	Reappraising the role of β integrin and the microenvironmental support in stress erythropoiesis. <i>Experimental Hematology</i> , 2020 , 81, 16-31.e4	3.1	4
22	Safe and efficient hematopoietic stem cell transduction in nonhuman primates using HDAd5/35++ vectors.. <i>Molecular Therapy - Methods and Clinical Development</i> , 2022 , 24, 127-141	6.4	3
21	Single-dose MGTA-145/plerixafor leads to efficient mobilization and in vivo transduction of HSCs with thalassemia correction in mice. <i>Blood Advances</i> , 2021 , 5, 1239-1249	7.8	3
20	Control of fetal globin expression in man: new opportunities to challenge past discoveries. <i>Experimental Hematology</i> , 2020 , 92, 43-50	3.1	2
19	Biologic effects of thrombopoietin, the Mpl ligand, and its therapeutic potential. <i>Cancer Chemotherapy and Pharmacology</i> , 1996 , 38 Suppl, S69-73	3.5	2
18	Stains for Inclusion Bodies. <i>CRC Critical Reviews in Clinical Laboratory Sciences</i> , 1974 , 5, 70-72		2
17	In Vivo HSC Gene Therapy for Hemoglobinopathies: A Proof of Concept Evaluation in Rhesus Macaques. <i>Blood</i> , 2020 , 136, 46-47	2.2	2
16	Introduction of Two Simultaneous Mutations By Genome Editing Greatly Enhances the Accumulation of the Endogenous Fetal Hemoglobin in Human Normal Erythroid Cells. <i>Blood</i> , 2017 , 130, 947-947	2.2	2
15	Cytokine Prestimulation as a Gene Therapy Strategy: Implications for Using the MDR1 Gene as a Dominant Selectable Marker. <i>Blood</i> , 1997 , 89, 146-154	2.2	2
14	Enhanced HbF reactivation by multiplex mutagenesis of thalassemic CD34+ cells in vitro and in vivo. <i>Blood</i> , 2021 , 138, 1540-1553	2.2	2
13	Cytokine Exposure Changes the Hierarchy of Molecular Pathway Usage in Bone Marrow Homing.. <i>Blood</i> , 2005 , 106, 3161-3161	2.2	1
12	Hematopoietic Stem/Progenitor Cells (HSPC) Mobilization Parameters in Patients Chronically Treated with the CD49d Blocking Antibody Natalizumab.. <i>Blood</i> , 2007 , 110, 177-177	2.2	1
11	Insights into the Biology of Mobilized Cells through Innovative Treatment Schedules of the CXCR4 Antagonist AMD3100.. <i>Blood</i> , 2007 , 110, 2229-2229	2.2	1
10	Investigating the Barrier Activity of Novel, Human Enhancer-Blocking Chromatin Insulators for Hematopoietic Stem Cell Gene Therapy. <i>Human Gene Therapy</i> , 2021 , 32, 1186-1199	4.8	1
9	The Glucocorticoid Receptor-Dependent Stress Response in Human Erythropoiesis Is BCL11A-Dependent. <i>Blood</i> , 2021 , 138, 939-939	2.2	

- 8 Gi Protein Signals Are Required for BM Homing of Hemopoietic Progenitor Cells, and Cooperate with Alpha4-Intergrin and Endothelial Selectins.. *Blood*, **2004**, 104, 2183-2183 2.2
- 7 In Vivo Expansion of Transduced Human Erythroid Cells Using an Mpl-Based Cell Growth Switch.. *Blood*, **2004**, 104, 2100-2100 2.2
- 6 Superior Bone Marrow Homing of G-CSF Mobilized Hematopoietic Progenitor Cells (HPC) - A Home Run.. *Blood*, **2005**, 106, 471-471 2.2
- 5 Regulatory Reprogramming of Erythropoiesis By DNMT3A Mutation. *Blood*, **2018**, 132, 4343-4343 2.2
- 4 Thalassemia Gene Therapy By In Vivo Transduction of Mobilized Hematopoietic Stem Cells (HSCs) with an Integrating Hybrid Adenovirus Vector System. *Blood*, **2018**, 132, 2193-2193 2.2
- 3 Combining HPFH Mutations in Human Adult HSCs to Enhance Reactivation of Fetal Hemoglobin. *Blood*, **2019**, 134, 2246-2246 2.2
- 2 b1 Integrin Deficiency in Both Erythroid Cells and Their Microenvironment Does Not Affect Basal Erythropoiesis but Critically Impairs Survival and Erythroid Response to Phenylhydrazine-Induced Stress in Adult Mice. *Blood*, **2008**, 112, 3567-3567 2.2
- 1 CD4^c-MetItg^h T cell subset promotes murine neuroinflammation.. *Journal of Neuroinflammation*, **2022**, 19, 103 10.1