# Thalia Papayannopoulou

List of Publications by Year
in descending order



| 63 | 4,038 | 236612 25 | 155451 55 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 63 | 63 | 63 | 7187 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A comparative encyclopedia of DNA elements in the mouse genome. Nature, 2014, 515, 355-364. | 13.7 | 1,444 |
| 2 | Developmental regulation of human fetal-to-adult globin gene switching in transgenic mice. Nature, 1990, 344, 309-313. | 13.7 | 354 |
| 3 | Mouse regulatory DNA landscapes reveal global principles of cis-regulatory evolution. Science, 2014, 346, 1007-1012. | 6.0 | 244 |
| 4 | Current mechanistic scenarios in hematopoietic stem/progenitor cell mobilization. Blood, 2004, 103, 1580-1585. | 0.6 | 210 |
| 5 | Antiâ€“VLA4/VCAM-1â€”Induced Mobilization Requires Cooperative Signaling Through the kit/mkit Ligand Pathway. Blood, 1998, 91, 2231-2239. | 0.6 | 209 |
| 6 | A self-sustained loop of inflammation-driven inhibition of beige adipogenesis in obesity. Nature Immunology, 2017, 18, 654-664. | 7.0 | 139 |
| 7 | Human Platelets Display High-Affinity Receptors for Thrombopoietin. Blood, 1997, 89, 1896-1904. | 0.6 | 138 |
| 8 | Functional footprinting of regulatory DNA. Nature Methods, 2015, 12, 927-930. | 9.0 | 123 |
| 9 | The role of G-protein signaling in hematopoietic stem/progenitor cell mobilization. Blood, 2003, 101, 4739-4747. | 0.6 | 107 |
| 10 | Bone marrow homing: the players, the playfield, and their evolving roles. Current Opinion in Hematology, 2003, 10, 214-219. | 1.2 | 87 |
| 11 | Disruption of the BCL11A Erythroid Enhancer Reactivates Fetal Hemoglobin in Erythroid Cells of Patients with Î²-Thalassemia Major. Molecular Therapy - Methods and Clinical Development, 2018, 10, 313-326. | 1.8 | 83 |
| 12 | In vivo transduction of primitive mobilized hematopoietic stem cells after intravenous injection of integrating adenovirus vectors. Blood, 2016, 128, 2206-2217. | 0.6 | 76 |
| 13 | HDAd5/35++ Adenovirus Vector Expressing Anti-CRISPR Peptides Decreases CRISPR/Cas9 Toxicity in Human Hematopoietic Stem Cells. Molecular Therapy - Methods and Clinical Development, 2018, 9, 390-401. | 1.8 | 63 |
| 14 | 2p15-p16.1 microdeletions encompassing and proximal to BCL11A are associated with elevated HbF in addition to neurologic impairment. Blood, 2015, 126, 89-93. | 0.6 | 62 |
| 15 | Defect in glycosylation of erythrocyte membrane proteins in congenital dyserythropoietic anaemia type II (HEMPAS). British Journal of Haematology, 1984, 56, 55-68. | 1.2 | 60 |
| 16 | Therapeutic targeting and rapid mobilization of endosteal HSC using a small molecule integrin antagonist. Nature Communications, 2016, 7, 11007. | 5.8 | 51 |
| 17 | In vivo hematopoietic stem cell gene therapy ameliorates murine thalassemia intermedia. Journal of Clinical Investigation, 2018, 129, 598-615. | 3.9 | 43 |
| 18 | IL-1Î± and Complement Cooperate in Triggering Local Neutrophilic Inflammation in Response to Adenovirus and Eliminating Virus-Containing Cells. PLoS Pathogens, 2014, 10, e1004035. | 2.1 | 42 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Cytokine Prestimulation as a Gene Therapy Strategy: Implications for Using the MDR1 Gene as a Dominant Selectable Marker. Blood, 1997, 89, 146-154. | 0.6 | 35 |
| 20 | A Combined InÂVivo HSC Transduction/Selection Approach Results in Efficient and Stable Gene Expression in Peripheral Blood Cells in Mice. Molecular Therapy - Methods and Clinical Development, 2018, 8, 52-64. | 1.8 | 33 |
| 21 | Hematopoietic Stem/Progenitor Cell Mobilization: A Continuing Quest for Etiologic Mechanisms. Annals of the New York Academy of Sciences, 1999, 872, 187-199. | 1.8 | 32 |
| 22 | Increase in Circulating SDFâ€1 after Treatment with Sulfated Glycans. Annals of the New York Academy of Sciences, 2001, 938, 48-53. | 1.8 | 32 |
| 23 | Brief Report: A Differential Transcriptomic Profile of Ex Vivo Expanded Adult Human Hematopoietic Stem Cells Empowers Them for Engraftment Better than Their Surface Phenotype. Stem Cells Translational Medicine, 2017, 6, 1852-1858. | 1.6 | 28 |
| 24 | Integrating HDAd5/35++ Vectors as a New Platform for HSC Gene Therapy of Hemoglobinopathies. Molecular Therapy - Methods and Clinical Development, 2018, 9, 142-152. | 1.8 | 28 |
| 25 | Targeted Integration and High-Level Transgene Expression in AAVS1 Transgenic Mice after In Vivo HSC Transduction with HDAd5/35++ Vectors. Molecular Therapy, 2019, 27, 2195-2212. | 3.7 | 28 |
| 26 | InÂVivo Hematopoietic Stem Cell Transduction. Hematology/Oncology Clinics of North America, 2017, 31, 771-785. | 0.9 | 26 |
| 27 | Hemopoietic lineage commitment decisions: in vivo evidence from a transgenic mouse model harboring Î¼LCR-Î²pro-LacZ as a transgene. Blood, 2000, 95, 1274-1282. | 0.6 | 24 |
| 28 | The macrophage contribution to stress erythropoiesis: when less is enough. Blood, 2016, 128, 1756-1765. | 0.6 | 24 |
| 29 | Stage-specific functional roles of integrins in murine erythropoiesis. Experimental Hematology, 2014, 42, 404-409.e4. | 0.2 | 23 |
| 30 | High-level protein production in erythroid cells derived from in vivo transduced hematopoietic stem cells. Blood Advances, 2019, 3, 2883-2894. | 2.5 | 19 |
| 31 | Safe and efficient inÂvivo hematopoietic stem cell transduction in nonhuman primates using HDAd5/35++ vectors. Molecular Therapy - Methods and Clinical Development, 2022, 24, 127-141. | 1.8 | 19 |
| 32 | Curative in vivo hematopoietic stem cell gene therapy of murine thalassemia using large regulatory elements. JCI Insight, 2020, 5, . | 2.3 | 17 |
| 33 | Enhanced HbF reactivation by multiplex mutagenesis of thalassemic CD34+ cells in vitro and in vivo. Blood, 2021, 138, 1540-1553. | 0.6 | 16 |
| 34 | A haemoglobin switching activity modulates hereditary persistence of fetal haemoglobin. Nature, 1984, 309, 71-73. | 13.7 | 13 |
| 35 | Patterns of spectrin transcripts in erythroid and non-erythroid cells. Journal of Cellular Physiology, 1990, 144, 287-294. | 2.0 | 12 |
| 36 | GM 58/8: a monoclonal antibody that identifies a new lineage-specific determinant expressed by myeloid progenitors (CFU-GM) and their progeny. British Journal of Haematology, 1984, 58, 147-158. | 1.2 | 11 |

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|---|---|---|---|
| 37 | Deletion of Dicer in late erythroid cells results in impaired stress erythropoiesis in mice. Experimental Hematology, 2014, 42, 852-856.e1. | 0.2 | 9 |
| 38 | Reappraising the role of Î±5 integrin and the microenvironmental support in stress erythropoiesis. Experimental Hematology, 2020, 81, 16-31.e4. | 0.2 | 9 |
| 39 | Single-dose MGTA-145/plerixafor leads to efficient mobilization and in vivo transduction of HSCs with thalassemia correction in mice. Blood Advances, 2021, 5, 1239-1249. | 2.5 | 9 |
| 40 | Antiâ€“VLA4/VCAM-1â€”Induced Mobilization Requires Cooperative Signaling Through the kit/mkit Ligand Pathway. Blood, 1998, 91, 2231-2239. | 0.6 | 9 |
| 41 | Stains for Inclusion Bodies. CRC Critical Reviews in Clinical Laboratory Sciences, 1974, 5, 70-72. | 1.0 | 7 |
| 42 | Anomalous cell surface structure of sickle cell anemia erythrocytes as demonstrated by cell surface labeling and endo-Î²-galactosidase treatment. Journal of Supramolecular Structure and Cellular Biochemistry, 1981, 17, 289-297. | 1.4 | 5 |
| 43 | Control of fetal globin expression in man: new opportunities to challenge past discoveries. Experimental Hematology, 2020, 92, 43-50. | 0.2 | 5 |
| 44 | Human hemoglobin switching: Insights from studies of erythroid cultures. Journal of Cellular Physiology, 1982, 113, 145-149. | 2.0 | 4 |
| 45 | Biologic effects of thrombopoietin, the Mpl ligand, and its therapeutic potential. Cancer Chemotherapy and Pharmacology, 1996, 38, S69-S73. | 1.1 | 4 |
| 46 | Adaptive Immunity and Pathogenesis of Diabetes: Insights Provided by the Î±4â€“Integrin Deficient NOD Mouse. Cells, 2020, 9, 2597. | 1.8 | 4 |
| 47 | Investigating the Barrier Activity of Novel, Human Enhancer-Blocking Chromatin Insulators for Hematopoietic Stem Cell Gene Therapy. Human Gene Therapy, 2021, 32, 1186-1199. | 1.4 | 4 |
| 48 | In Vivo HSC Gene Therapy for Hemoglobinopathies: A Proof of Concept Evaluation in Rhesus Macaques. Blood, 2020, 136, 46-47. | 0.6 | 3 |
| 49 | Introduction of Two Simultaneous Mutations By Genome Editing Greatly Enhances the Accumulation of the Endogenous Fetal Hemoglobin in Human Normal Erythroid Cells. Blood, 2017, 130, 947-947. | 0.6 | 2 |
| 50 | Cytokine Prestimulation as a Gene Therapy Strategy: Implications for Using the MDR1 Gene as a Dominant Selectable Marker. Blood, 1997, 89, 146-154. | 0.6 | 2 |
| 51 | Î±4-Integrin deficiency in human CD34+ cells engenders precocious erythroid differentiation but inhibits enucleation. Experimental Hematology, 2022, 108, 16-25. | 0.2 | 2 |
| 52 | CD4+c-Met+ItgÎ±4+ T cell subset promotes murine neuroinflammation. Journal of Neuroinflammation, 2022, 19, 103. | 3.1 | 2 |
| 53 | Cytokine Exposure Changes the Hierarchy of Molecular Pathway Usage in Bone Marrow Homing.. Blood, 2005, 106, 3161-3161. | 0.6 | 1 |
| 54 | Hematopoietic Stem/Progenitor Cells (HSPC) Mobilization Parameters in Patients Chronically Treated with the CD49d Blocking Antibody Natalizumab.. Blood, 2007, 110, 177-177. | 0.6 | 1 |

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|---|---|---|---|
| 55 | Insights into the Biology of Mobilized Cells through Innovative Treatment Schedules of the CXCR4 Antagonist AMD3100.. Blood, 2007, 110, 2229-2229. | 0.6 | 1 |
| 56 | 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. | 0.6 | 0 |
| 57 | In Vivo Expansion of Transduced Human Erythroid Cells Using an Mpl-Based Cell Growth Switch.. Blood, 2004, 104, 2100-2100. | 0.6 | 0 |
| 58 | Superior Bone Marrow Homing of G-CSF Mobilized Hematopoietic Progenitor Cells (HPC) - A Home Run.. Blood, 2005, 106, 471-471. | 0.6 | 0 |
| 59 | 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. | 0.6 | 0 |
| 60 | Regulatory Reprogramming of Erythropoiesis By DNMT3A Mutation. Blood, 2018, 132, 4343-4343. | 0.6 | 0 |
| 61 | 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. | 0.6 | 0 |
| 62 | Combining HPFH Mutations in Human Adult HSCs to Enhance Reactivation of Fetal Hemoglobin. Blood, 2019, 134, 2246-2246. | 0.6 | 0 |
| 63 | The Glucocorticoid Receptor-Dependent Stress Response in Human Erythropoiesis Is BCL11A-Dependent. Blood, 2021, 138, 939-939. | 0.6 | 0 |