

New gene functions in megakaryopoiesis and platelet fo

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Common genetic factors for hematological traits in Humans. <i>Journal of Human Genetics</i> , 2012, 57, 161-169.	1.1	31
2	Genome-Scale Technology Driven Advances to Research into Normal and Malignant Haematopoiesis. <i>Scientifica</i> , 2012, 2012, 1-11.	0.6	0
3	Zebrafish Thrombocytes: Functions and Origins. <i>Advances in Hematology</i> , 2012, 2012, 1-9.	0.6	46
4	Genetic variants that affect platelet function. <i>Current Opinion in Hematology</i> , 2012, 19, 371-379.	1.2	54
6	A GWAS sequence variant for platelet volume marks an alternative DNMT3 promoter in megakaryocytes near a MEIS1 binding site. <i>Blood</i> , 2012, 120, 4859-4868.	0.6	44
7	Does size matter in platelet production?. <i>Blood</i> , 2012, 120, 1552-1561.	0.6	79
8	Dynamin 3 and platelet size variation. <i>Blood</i> , 2012, 120, 4666-4667.	0.6	1
9	Platelets signal and tumors take off. <i>Blood</i> , 2012, 120, 4667-4668.	0.6	10
10	The circulating platelet count is not dictated by the liver, but may be determined in part by the bone marrow: analyses from human liver and stem cell transplantations. <i>Journal of Thrombosis and Haemostasis</i> , 2012, 10, 1624-1630.	1.9	5
11	GENOVA: Gene Overlap Analysis of GWAS Results. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2012, 11, Article 6.	0.2	2
12	Seventy-five genetic loci influencing the human red blood cell. <i>Nature</i> , 2012, 492, 369-375.	13.7	320
14	Genetics of Human Cardiovascular Disease. <i>Cell</i> , 2012, 148, 1242-1257.	13.5	395
15	The causal role of megakaryocyte-platelet hyperactivity in acute coronary syndromes. <i>Nature Reviews Cardiology</i> , 2012, 9, 658-670.	6.1	121
16	Reactome - a curated knowledgebase of biological pathways: megakaryocytes and platelets. <i>Journal of Thrombosis and Haemostasis</i> , 2012, 10, 2399-2402.	1.9	55
17	Imputation of Exome Sequence Variants into Population-Based Samples and Blood-Cell-Trait-Associated Loci in African Americans: NHLBI GO Exome Sequencing Project. <i>American Journal of Human Genetics</i> , 2012, 91, 794-808.	2.6	123
18	Transporters in human platelets: physiologic function and impact for pharmacotherapy. <i>Blood</i> , 2012, 119, 3394-3402.	0.6	84
19	Top Advances in Functional Genomics and Translational Biology for 2011. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 143-145.	5.1	1
20	Five Years of GWAS Discovery. <i>American Journal of Human Genetics</i> , 2012, 90, 7-24.	2.6	2,088

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21	Inherited platelet disorders. <i>Haemophilia</i> , 2012, 18, 154-160.	1.0	120
22	Genome-wide association studies for hematological traits in swine. <i>Animal Genetics</i> , 2013, 44, 34-43.	0.6	36
23	Small effective population size and genetic homogeneity in the Val Borbera isolate. <i>European Journal of Human Genetics</i> , 2013, 21, 89-94.	1.4	32
24	The complex transcriptional landscape of the anucleate human platelet. <i>BMC Genomics</i> , 2013, 14, 1.	1.2	913
25	Altered expression of Na ⁺ /K ⁺ -ATPase and other osmoregulatory genes in the gills of euryhaline animals in response to salinity transfer: A meta-analysis of 59 quantitative PCR studies over 10years. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2013, 8, 131-140.	0.4	58
26	New insights into the genetic basis of TAR (thrombocytopenia-absent radii) syndrome. <i>Current Opinion in Genetics and Development</i> , 2013, 23, 316-323.	1.5	74
27	Beyond GWASs: Illuminating the Dark Road from Association to Function. <i>American Journal of Human Genetics</i> , 2013, 93, 779-797.	2.6	688
28	The large non-coding RNA ANRIL, which is associated with atherosclerosis, periodontitis and several forms of cancer, regulates ADIPOR1, VAMP3 and C11ORF10. <i>Human Molecular Genetics</i> , 2013, 22, 4516-4527.	1.4	183
29	Lipids: new biology and therapeutic targets revealed through human genetics. <i>Clinical Lipidology</i> , 2013, 8, 295-298.	0.4	0
30	Protein-tyrosine phosphatases: a new frontier in platelet signal transduction. <i>Journal of Thrombosis and Haemostasis</i> , 2013, 11, 1800-1813.	1.9	42
31	Genome-wide association study identifies two susceptibility loci for osteosarcoma. <i>Nature Genetics</i> , 2013, 45, 799-803.	9.4	181
32	Transcription factors in late megakaryopoiesis and related platelet disorders. <i>Journal of Thrombosis and Haemostasis</i> , 2013, 11, 593-604.	1.9	79
33	Genetic sequence analysis of inherited bleeding diseases. <i>Blood</i> , 2013, 122, 3423-3431.	0.6	48
34	Multiple Instances of Ancient Balancing Selection Shared Between Humans and Chimpanzees. <i>Science</i> , 2013, 339, 1578-1582.	6.0	253
35	Signatures of natural selection on genetic variants affecting complex human traits. <i>Applied & Translational Genomics</i> , 2013, 2, 78-94.	2.1	23
36	Platelet Genomics. , 2013, , 67-89.		2
37	Integrative genetic and metabolite profiling analysis suggests altered phosphatidylcholine metabolism in asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2013, 68, 629-636.	2.7	70
38	The Genetics of Innate Immunity Sensors and Human Disease. <i>International Reviews of Immunology</i> , 2013, 32, 157-208.	1.5	19

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39	SMIM1 underlies the Vel blood group and influences red blood cell traits. <i>Nature Genetics</i> , 2013, 45, 542-545.	9.4	96
40	Cholesterol efflux in megakaryocyte progenitors suppresses platelet production and thrombocytosis. <i>Nature Medicine</i> , 2013, 19, 586-594.	15.2	162
41	Genome-wide association studies of hematologic phenotypes: a window into human hematopoiesis. <i>Current Opinion in Genetics and Development</i> , 2013, 23, 339-344.	1.5	31
42	GWAS of 126,559 Individuals Identifies Genetic Variants Associated with Educational Attainment. <i>Science</i> , 2013, 340, 1467-1471.	6.0	750
43	A Genome-wide Association Study of the Human Metabolome in a Community-Based Cohort. <i>Cell Metabolism</i> , 2013, 18, 130-143.	7.2	274
44	Functional validation of GWAS gene candidates for abnormal liver function during zebrafish liver development. <i>DMM Disease Models and Mechanisms</i> , 2013, 6, 1271-8.	1.2	30
45	Maps of open chromatin highlight cell type-specific restricted patterns of regulatory sequence variation at hematological trait loci. <i>Genome Research</i> , 2013, 23, 1130-1141.	2.4	34
46	Platelet Granule Exocytosis: A Comparison with Chromaffin Cells. <i>Frontiers in Endocrinology</i> , 2013, 4, 77.	1.5	45
47	Genome-Wide Testing of Putative Functional Exonic Variants in Relationship with Breast and Prostate Cancer Risk in a Multiethnic Population. <i>PLoS Genetics</i> , 2013, 9, e1003419.	1.5	67
48	Genetic Loci Associated with Platelet Traits and Platelet Disorders. <i>Seminars in Thrombosis and Hemostasis</i> , 2013, 39, 291-305.	1.5	26
49	Imputation-Based Meta-Analysis of Severe Malaria in Three African Populations. <i>PLoS Genetics</i> , 2013, 9, e1003509.	1.5	95
50	GWAS of blood cell traits identifies novel associated loci and epistatic interactions in Caucasian and African-American children. <i>Human Molecular Genetics</i> , 2013, 22, 1457-1464.	1.4	82
51	From genotype to phenotype in human atherosclerosis - recent findings. <i>Current Opinion in Lipidology</i> , 2013, 24, 410-418.	1.2	53
52	The incredible journey: From megakaryocyte development to platelet formation. <i>Journal of Cell Biology</i> , 2013, 201, 785-796.	2.3	604
53	Variation at 3p24.1 and 6q23.3 influences the risk of Hodgkin's lymphoma. <i>Nature Communications</i> , 2013, 4, 2549.	5.8	62
54	Creating subnetworks from transcriptomic data on central nervous system diseases informed by a massive transcriptomic network.. <i>Interdisciplinary Bio Central</i> , 2013, 5, 1-8.	0.1	1
55	The emerging use of zebrafish to model metabolic disease. <i>DMM Disease Models and Mechanisms</i> , 2013, 6, 1080-1088.	1.2	214
56	Comparative analysis in cynomolgus macaque identifies a novel human MHC locus controlling platelet blood counts independently of BAK1. <i>Journal of Thrombosis and Haemostasis</i> , 2013, 11, 384-386.	1.9	3

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57	Inherited predisposition to myeloproliferative neoplasms. <i>Therapeutic Advances in Hematology</i> , 2013, 4, 237-253.	1.1	49
58	Massively parallel sequencing: the new frontier of hematologic genomics. <i>Blood</i> , 2013, 122, 3268-3275.	0.6	23
59	Genetic variation of platelet function and pharmacology: An update of current knowledge. <i>Thrombosis and Haemostasis</i> , 2013, 110, 876-887.	1.8	31
60	Gene-centric association signals for haemostasis and thrombosis traits identified with the HumanCVD BeadChip. <i>Thrombosis and Haemostasis</i> , 2013, 110, 995-1003.	1.8	8
61	Age- And Sex-Related Variations in Platelet Count in Italy: A Proposal of Reference Ranges Based on 40987 Subjects' Data. <i>PLoS ONE</i> , 2013, 8, e54289.	1.1	190
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66	Multiple Nonglycemic Genomic Loci Are Newly Associated With Blood Level of Glycated Hemoglobin in East Asians. <i>Diabetes</i> , 2014, 63, 2551-2562.	0.3	61
67	Sequencing of 2 Subclinical Atherosclerosis Candidate Regions in 3669 Individuals. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 359-364.	5.1	18
68	Tissue-Specific RNA-Seq in Human Evoked Inflammation Identifies Blood and Adipose LincRNA Signatures of Cardiometabolic Diseases. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 902-912.	1.1	75
69	The ATXN2-SH2B3 locus is associated with peripheral arterial disease: an electronic medical record-based genome-wide association study. <i>Frontiers in Genetics</i> , 2014, 5, 166.	1.1	40
70	Identification of Novel Genetic Loci Associated with Thyroid Peroxidase Antibodies and Clinical Thyroid Disease. <i>PLoS Genetics</i> , 2014, 10, e1004123.	1.5	150
71	The Reactome pathway knowledgebase. <i>Nucleic Acids Research</i> , 2014, 42, D472-D477.	6.5	1,448
72	A Loss of Function Screen of Identified Genome-Wide Association Study Loci Reveals New Genes Controlling Hematopoiesis. <i>PLoS Genetics</i> , 2014, 10, e1004450.	1.5	39
73	Detection of Pleiotropy through a Phenome-Wide Association Study (PheWAS) of Epidemiologic Data as Part of the Environmental Architecture for Genes Linked to Environment (EAGLE) Study. <i>PLoS Genetics</i> , 2014, 10, e1004678.	1.5	64
74	Inherited Macrothrombocytopenias. <i>Seminars in Thrombosis and Hemostasis</i> , 2014, 40, 774-784.	1.5	8
75	Zebrafish models in translational research: tipping the scales toward advancements in human health. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 739-743.	1.2	158

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76	Lessons in platelet production from inherited thrombocytopenias. <i>British Journal of Haematology</i> , 2014, 165, 179-192.	1.2	35
77	The challenges, advantages and future of genome-wide association studies. <i>Immunology</i> , 2014, 141, 157-165.	2.0	138
78	Chronic arthritis and cardiovascular disease: Altered blood parameters give rise to a prothrombotic propensity. <i>Seminars in Arthritis and Rheumatism</i> , 2014, 44, 345-352.	1.6	41
80	Platelets in Asthma: Does Size Matter?. <i>Respiration</i> , 2014, 88, 22-23.	1.2	4
81	Zebrafish as a model system for the study of hemostasis and thrombosis. <i>Current Opinion in Hematology</i> , 2014, 21, 418-422.	1.2	69
83	Repairing quite swimmingly: advances in regenerative medicine using zebrafish. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 769-776.	1.2	45
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85	Childhood intelligence is heritable, highly polygenic and associated with FBNP1L. <i>Molecular Psychiatry</i> , 2014, 19, 253-258.	4.1	241
86	Joint Analysis of Functional Genomic Data and Genome-wide Association Studies of 18 Human Traits. <i>American Journal of Human Genetics</i> , 2014, 94, 559-573.	2.6	563
87	Pleiotropic genes for metabolic syndrome and inflammation. <i>Molecular Genetics and Metabolism</i> , 2014, 112, 317-338.	0.5	107
88	Mean platelet volume predicts outcome in patients with asymptomatic carotid artery disease. <i>European Journal of Clinical Investigation</i> , 2014, 44, 22-28.	1.7	24
89	From genome-wide association study hits to new insights into experimental hematology. <i>Experimental Hematology</i> , 2014, 42, 630-636.	0.2	1
90	Functional interpretation of non-coding sequence variation: Concepts and challenges. <i>BioEssays</i> , 2014, 36, 191-199.	1.2	47
91	A ChIP-seq-Defined Genome-Wide Map of MEF2C Binding Reveals Inflammatory Pathways Associated with Its Role in Bone Density Determination. <i>Calcified Tissue International</i> , 2014, 94, 396-402.	1.5	17
92	ATP-Binding Cassette Transporters, Atherosclerosis, and Inflammation. <i>Circulation Research</i> , 2014, 114, 157-170.	2.0	206
93	A genome- and phenome-wide association study to identify genetic variants influencing platelet count and volume and their pleiotropic effects. <i>Human Genetics</i> , 2014, 133, 95-109.	1.8	135
94	Characterizing the genetic basis of transcriptome diversity through RNA-sequencing of 922 individuals. <i>Genome Research</i> , 2014, 24, 14-24.	2.4	547
95	Trim58 Degrades Dynein and Regulates Terminal Erythropoiesis. <i>Developmental Cell</i> , 2014, 30, 688-700.	3.1	75

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96	Transcriptional diversity during lineage commitment of human blood progenitors. <i>Science</i> , 2014, 345, 1251033.	6.0	253
97	Rare and low-frequency coding variants in CXCR2 and other genes are associated with hematological traits. <i>Nature Genetics</i> , 2014, 46, 629-634.	9.4	113
98	The Molecular Basis of Normal Erythroid/Megakaryocyte Development and Mechanisms of Epigenetic/Transcriptional Deregulation Leading to Erythroleukemia and Thalassemia. <i>Epigenetics and Human Health</i> , 2014, , 247-266.	0.2	1
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101	Interpreting human genetic variation with in vivo zebrafish assays. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1960-1970.	1.8	63
103	Vessel wall BAMBI contributes to hemostasis and thrombus stability. <i>Blood</i> , 2014, 123, 2873-2881.	0.6	17
104	shRNA screening identifies JMJD1C as being required for leukemia maintenance. <i>Blood</i> , 2014, 123, 1870-1882.	0.6	73
105	The formin DIAPH1 (mDia1) regulates megakaryocyte proplatelet formation by remodeling the actin and microtubule cytoskeletons. <i>Blood</i> , 2014, 124, 3967-3977.	0.6	59
106	A tour through the transcriptional landscape of platelets. <i>Blood</i> , 2014, 124, 493-502.	0.6	103
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108	Asparaginase treatment side-effects may be due to genes with homopolymeric Asn codons (Review-Hypothesis). <i>International Journal of Molecular Medicine</i> , 2015, 36, 607-626.	1.8	18
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110	Role of mean platelet volume levels in asthmatic children remains debatable. <i>Pediatric Allergy and Immunology</i> , 2015, 26, 482-482.	1.1	0
111	Progress in understanding the diagnosis and molecular genetics of macrothrombocytopenias. <i>British Journal of Haematology</i> , 2015, 170, 626-639.	1.2	32
112	Update on the inherited platelet disorders. <i>Current Opinion in Hematology</i> , 2015, 22, 460-466.	1.2	13
113	RASA3 is a critical inhibitor of RAP1-dependent platelet activation. <i>Journal of Clinical Investigation</i> , 2015, 125, 1419-1432.	3.9	113
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115	The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. <i>PLoS Genetics</i> , 2015, 11, e1005378.	1.5	331
116	Integration of Genome-Wide SNP Data and Gene-Expression Profiles Reveals Six Novel Loci and Regulatory Mechanisms for Amino Acids and Acylcarnitines in Whole Blood. <i>PLoS Genetics</i> , 2015, 11, e1005510.	1.5	41
117	Allele-Selective Transcriptome Recruitment to Polysomes Primed for Translation: Protein-Coding and Noncoding RNAs, and RNA Isoforms. <i>PLoS ONE</i> , 2015, 10, e0136798.	1.1	15
118	Influence of Genetic Variants in EGF and Other Genes on Hematological Traits in Korean Populations by a Genome-Wide Approach. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	6
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121	New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , 2015, 518, 187-196.	13.7	1,328
122	Cohort Profile: Estonian Biobank of the Estonian Genome Center, University of Tartu. <i>International Journal of Epidemiology</i> , 2015, 44, 1137-1147.	0.9	314
123	The Genetic Basis of Peripheral Arterial Disease. <i>Circulation Research</i> , 2015, 116, 1551-1560.	2.0	68
124	Modeling Disorders of Blood Coagulation in the Zebrafish. <i>Current Pathobiology Reports</i> , 2015, 3, 155-161.	1.6	29
125	Mechanisms of epithelial wound detection. <i>Trends in Cell Biology</i> , 2015, 25, 398-407.	3.6	68
126	Selection of P2Y12 antagonist, treatment initiation, and predictors of high on-treatment platelet reactivity in a "Real World" registry. <i>Thrombosis Research</i> , 2015, 135, 1093-1099.	0.8	15
127	Glucokinase regulatory protein. <i>Current Opinion in Lipidology</i> , 2015, 26, 88-95.	1.2	94
129	Genetic determinants of Platelet Large-Cell Ratio, Immature Platelet Fraction, and other platelet-related phenotypes. <i>Thrombosis Research</i> , 2015, 136, 361-366.	0.8	15
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135	Drl.3 governs primitive hematopoiesis in zebrafish. Scientific Reports, 2014, 4, 5791.	1.6	11
136	The Impact of Evolutionary Driving Forces on Human Complex Diseases: A Population Genetics Approach. Scientifica, 2016, 2016, 1-10.	0.6	12
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138	The Highs and Lows of Measuring Thrombopoietin in Aplastic Anemia. Pediatric Blood and Cancer, 2016, 63, 585-586.	0.8	0
139	Transcriptional Regulation of Platelet Formation: Harnessing the Complexity for Efficient Platelet Production In Vitro. , 2016, , 23-60.		1
140	Regulation of Megakaryocyte and Platelet Survival. , 2016, , 193-220.		0
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142	Diagnosis of Inherited and Acquired Platelet Disorders. , 2016, , 363-379.		0
143	Significant impact of miRNA target gene networks on genetics of human complex traits. Scientific Reports, 2016, 6, 22223.	1.6	44
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151	Studies on Mean Platelet Volume (MPV) New Editorial Policy. Platelets, 2016, 27, 605-606.	1.1	59

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153	Genetic analysis of emerging risk factors in coronary artery disease. <i>Atherosclerosis</i> , 2016, 254, 35-41.	0.4	11
154	New roles for mean platelet volume measurement in the clinical practice?. <i>Platelets</i> , 2016, 27, 607-612.	1.1	164
155	The cell division control protein 42â€œSrc family kinaseâ€œneural Wiskottâ€œAldrich syndrome protein pathway regulates human proplatelet formation. <i>Journal of Thrombosis and Haemostasis</i> , 2016, 14, 2524-2535.	1.9	15
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158	Epigenetic Variation between Human Induced Pluripotent Stem Cell Lines Is an Indicator of Differentiation Capacity. <i>Cell Stem Cell</i> , 2016, 19, 341-354.	5.2	179
159	52 Genetic Loci Influencing MyocardialÂMass. <i>Journal of the American College of Cardiology</i> , 2016, 68, 1435-1448.	1.2	113
160	Sex-specific differences in genetic and nongenetic determinants of mean platelet volume: results from the Gutenberg Health Study. <i>Blood</i> , 2016, 127, 251-259.	0.6	54
161	BLVRB redox mutation defines heme degradation in a metabolic pathway of enhanced thrombopoiesis in humans. <i>Blood</i> , 2016, 128, 699-709.	0.6	30
162	Lineage-Specific Genome Architecture Links Enhancers and Non-coding Disease Variants to Target Gene Promoters. <i>Cell</i> , 2016, 167, 1369-1384.e19.	13.5	863
163	The Allelic Landscape of Human Blood Cell Trait Variation and Links to Common Complex Disease. <i>Cell</i> , 2016, 167, 1415-1429.e19.	13.5	1,052
164	Large-scale production of megakaryocytes from human pluripotent stem cells by chemically defined forward programming. <i>Nature Communications</i> , 2016, 7, 11208.	5.8	199
165	Cdkn2a Orchestrates Platelet Production and Reactivity in Atherosclerosis. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 203-205.	5.1	1
166	Molecular basis of inherited thrombocytopenias: an update. <i>Current Opinion in Hematology</i> , 2016, 23, 486-492.	1.2	17
167	Platelet-Related Variants Identified by Exomechip Meta-analysis in 157,293 Individuals. <i>American Journal of Human Genetics</i> , 2016, 99, 40-55.	2.6	82
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169	Contrasting the Genetic Architecture of 30 Complex Traits from Summary Association Data. <i>American Journal of Human Genetics</i> , 2016, 99, 139-153.	2.6	348

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171	From GWAS to function: lessons from blood cells. <i>ISBT Science Series</i> , 2016, 11, 211-219.	1.1	13
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388	Analysis of genetic dominance in the UK Biobank. Science, 2023, 379, 1341-1348.	6.0	7