Pimlak Charoenkwan

List of Publications by Citations

103 papers	1,485 citations	19 h-index	36 g-index
108 ext. papers	1,714 ext. citations	2.9 avg, IF	3.95 L-index

#	Paper	IF	Citations
103	Noninvasive prenatal diagnosis of monogenic diseases by digital size selection and relative mutation dosage on DNA in maternal plasma. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 19920-5	11.5	266
102	MS analysis of single-nucleotide differences in circulating nucleic acids: Application to noninvasive prenatal diagnosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 10762-7	11.5	179
101	Deferasirox in iron-overloaded patients with transfusion-dependent myelodysplastic syndromes: Results from the large 1-year EPIC study. *Leukemia Research*, **2010**, 34, 1143-50	2.7	136
100	Hematopoietic stem cell transplantation for homozygous Ethalassemia and Ethalassemia/hemoglobin E patients from haploidentical donors. *Bone Marrow Transplantation*, **2016**, 51, 813-8	4.4	72
99	Prophylaxis in congenital factor VII deficiency: indications, efficacy and safety. Results from the Seven Treatment Evaluation Registry (STER). *Haematologica*, **2013**, 98, 538-44	6.6	64
98	Hb H hydrops foetalis syndrome: a case report and review of literature. *British Journal of Haematology*, **2001**, 115, 72-8	4.5	64
97	Intracellular readthrough of nonsense mutations by aminoglycosides in coagulation factor VII. *Journal of Thrombosis and Haemostasis*, **2006**, 4, 1308-14	15.4	33
96	Use of cardiac markers for monitoring of doxorubixin-induced cardiotoxicity in children with cancer. *Journal of Pediatric Hematology/Oncology*, **2012**, 34, 589-95	1.2	30
95	Tissue Doppler echocardiography reliably reflects severity of iron overload in pediatric patients with beta thalassemia. *European Journal of Echocardiography*, **2008**, 9, 368-72		30
94	Molecular and Clinical Features of Hb H Disease in Northern Thailand. *Hemoglobin*, **2005**, 29, 133-140	0.6	30
93	Anemia and hydrops in a fetus with homozygous hemoglobin constant spring. *Journal of Pediatric Hematology/Oncology*, **2006**, 28, 827-30	1.2	29
92	Outcomes of thalassemia patients undergoing hematopoietic stem cell transplantation by using a standard myeloablative versus a novel reduced-toxicity conditioning regimen according to a new risk stratification. *Biology of Blood and Marrow Transplantation*, **2014**, 20, 2066-71	4.7	27
91	Pretransplant immunosuppression followed by reduced-toxicity conditioning and stem cell transplantation in high-risk thalassemia: a safe approach to disease control. *Biology of Blood and Marrow Transplantation*, **2013**, 19, 1259-62	4.7	25
90	Heart rate variability in beta-thalassemia patients. *European Journal of Haematology*, **2009**, 83, 483-9	3.8	25
89	Prenatal diagnosis of homozygous alpha-thalassemia-1 by cell-free fetal DNA in maternal plasma. *Prenatal Diagnosis*, **2012**, 32, 45-9	3.2	22
88	Effectiveness of the model for prenatal control of severe thalassemia. *Prenatal Diagnosis*, **2013**, 33, 477-83	3.1	21
87	Mass spectrometry-based detection of hemoglobin E mutation by allele-specific base extension reaction. *Clinical Chemistry*, **2007**, 53, 2205-9	5.5	21

86	Hematopoietic Stem Cell Transplantation for Severe Thalassemia Patients from Haploidentical Donors Using a Novel Conditioning Regimen. *Biology of Blood and Marrow Transplantation*, **2020**, 26, 1106-1112	4.7	20
85	Cord blood screening for alpha-thalassemia and hemoglobin variants by isoelectric focusing in northern Thai neonates: correlation with genotypes and hematologic parameters. *Blood Cells, Molecules, and Diseases*, **2010**, 45, 53-7	2.1	19
84	Heart Rate Variability as an Alternative Indicator for Identifying Cardiac Iron Status in Non-Transfusion Dependent Thalassemia Patients. *PLoS ONE*, **2015**, 10, e0130837	3.7	18
83	High-resolution melting analysis for prenatal diagnosis of beta-thalassemia in northern Thailand. *International Journal of Hematology*, **2017**, 106, 757-764	2.3	17
82	Quantification of glucose-6-phosphate dehydrogenase activity by spectrophotometry: A systematic review and meta-analysis. *PLoS Medicine*, **2020**, 17, e1003084	11.6	16
81	Molecular characteristics of thalassemia and hemoglobin variants in prenatal diagnosis program in northern Thailand. *International Journal of Hematology*, **2019**, 110, 474-481	2.3	14
80	Replacement therapy in inherited factor VII deficiency: occurrence of adverse events and relation with surgery. *Haemophilia*, **2015**, 21, e513-7	3.3	14
79	The effect of polymorphisms of MTHFR C677T, A1298C, MS A2756G and CBS 844ins68bp on plasma total homocysteine level and the risk of ischemic stroke in Thai children. *Thrombosis Research*, **2008**, 122, 33-7	8.2	13
78	Prevalence and molecular characterization of glucose-6-phosphate dehydrogenase deficiency in northern Thailand. *Southeast Asian Journal of Tropical Medicine and Public Health*, **2014**, 45, 187-93	1	13
77	Health-Related Quality of Life in Adolescents with Thalassemia. *Pediatric Hematology and Oncology*, **2015**, 32, 341-8	1.7	12
76	Gingival Bleeding and Bloody Dialysate: A Case Report of Scurvy in a Child With End-Stage Renal Disease Receiving Peritoneal Dialysis. *Journal of Renal Nutrition*, **2016**, 26, 407-411	3	12
75	Adverse effects of imatinib in children with chronic myelogenous leukemia. *Pediatrics International*, **2017**, 59, 286-292	1.2	12
74	Heart Rate Variability for Early Detection of Cardiac Iron Deposition in Patients with Transfusion-Dependent Thalassemia. *PLoS ONE*, **2016**, 11, e0164300	3.7	12
73	Genotyping of beta thalassemia trait by high-resolution DNA melting analysis. *Southeast Asian Journal of Tropical Medicine and Public Health*, **2013**, 44, 1055-64	1	12
72	Phase II, multi-center, open-label, single-arm clinical trial evaluating the efficacy and safety of Mycophenolate Mofetil in patients with high-grade locally advanced or metastatic osteosarcoma (ESMMO): rationale and design of the ESMMO trial. *BMC Cancer*, **2020**, 20, 268	4.8	10
71	Prevalence and Risk Factors for Complications in Patients with Nontransfusion Dependent Alpha- and Beta-Thalassemia. *Anemia*, **2015**, 2015, 793025	1.6	10
70	Iron overload in non-transfusion-dependent thalassemia: association with genotype and clinical risk factors. *International Journal of Hematology*, **2016**, 103, 643-8	2.3	10
69	Pulmonary hypertension in non-transfusion-dependent thalassemia: Correlation with clinical parameters, liver iron concentration, and non-transferrin-bound iron. *Hematology*, **2015**, 20, 610-7	2.2	9

68	Carboplatin and doxorubicin in treatment of pediatric osteosarcoma: a 9-year single institute experience in the Northern Region of Thailand. *Asian Pacific Journal of Cancer Prevention*, **2013**, 14, 1101-6	1.7	9
67	Borderline hemoglobin A levels in northern Thai population: HBB genotypes and effects of coinherited alpha-thalassemia. *Blood Cells, Molecules, and Diseases*, **2019**, 74, 13-17	2.1	9
66	Root dentin anomaly and a PLG mutation. *European Journal of Medical Genetics*, **2014**, 57, 630-5	2.6	8
65	Molecular and Clinical Features of Hb H Disease in Northern Thailand. *Hemoglobin*, **2005**, 29, 133-140	0.6	8
64	Novel mutations in SPTA1 and SPTB identified by whole exome sequencing in eight Thai families with hereditary pyropoikilocytosis presenting with severe fetal and neonatal anaemia. *British Journal of Haematology*, **2019**, 185, 578-582	4.5	8
63	Hemoglobin E levels in double heterozygotes of hemoglobin E and SEA-type alpha-thalassemia. *Southeast Asian Journal of Tropical Medicine and Public Health*, **2005**, 36, 467-70	1	8
62	New mathematical formula for differentiating thalassemia trait and iron deficiency anemia in thalassemia prevalent area: a study in healthy school-age children. *Southeast Asian Journal of Tropical Medicine and Public Health*, **2014**, 45, 174-82	1	8
61	Hypercoagulable state as demonstrated by thromboelastometry in hemoglobin E/beta-thalassemia patients: Association with clinical severity and splenectomy status. *Thrombosis Research*, **2016**, 140, 125-131	2.2	7
60	The correlation of β-globin gene mutations and the XmnI polymorphism with clinical severity of Hb E/β-thalassemia. *Hemoglobin*, **2014**, 38, 335-8	0.6	7
59	Prenatal diagnosis and management of homozygous hemoglobin constant spring disease. *Journal of Perinatology*, **2019**, 39, 927-933	3.1	6
58	Pediatric primary central nervous system tumors registry in Thailand under National Health Security Office schemes. *Journal of Neuro-Oncology*, **2020**, 149, 141-151	4.8	6
57	Unusual Presentation with Orbital Mass in a Child with Precursor B-Cell Acute Lymphoblastic Leukemia. *Case Reports in Hematology*, **2019**, 2019, 8264689	0.7	6
56	FLT3, a prognostic biomarker for acute myeloid leukemia (AML): Quantitative monitoring with a simple anti-FLT3 interaction and flow cytometric method. *Journal of Clinical Laboratory Analysis*, **2019**, 33, e22859	3	5
55	R147W in PROC Gene Is a Risk Factor of Thromboembolism in Thai Children. *Clinical and Applied Thrombosis/Hemostasis*, **2018**, 24, 263-267	3.3	5
54	Successful treatment of mild pediatric kasabach-merritt phenomenon with propranolol monotherapy. *Case Reports in Hematology*, **2014**, 2014, 364693	0.7	5
53	Significance of p53 expression in immature teratomas. *Pediatric and Developmental Pathology*, **2002**, 5, 499-507	2.2	5
52	Molecular and clinical features of Hb H disease in northern Thailand. *Hemoglobin*, **2005**, 29, 133-40	0.6	5
51	Hyperuricemia, urine uric excretion, and associated complications in thalassemia patients. *Annals of Hematology*, **2019**, 98, 1101-1110	3	4

50	Vitamin D deficiency and its relationship with cardiac iron and function in patients with transfusion-dependent thalassemia at Chiang Mai University Hospital. *Pediatric Hematology and Oncology*, **2018**, 35, 52-59	1.7	4
49	Clinical course of dengue in patients with thalassaemia. *Paediatrics and International Child Health*, **2013**, 33, 32-6	1.4	4
48	Wilms tumor with dilated cardiomyopathy: A case report. *World Journal of Clinical Oncology*, **2019**, 10, 293-299	2.5	4
47	Hematological and molecular characterization of beta-thalassemia/Hb Tak compound heterozygote. *Southeast Asian Journal of Tropical Medicine and Public Health*, **2003**, 34, 415-9	1	4
46	Flow Cytometric Test with Eosin-5-Maleimide for a Diagnosis of Hereditary Spherocytosis in a Newborn. *Case Reports in Hematology*, **2019**, 2019, 5925731	0.7	3
45	Acute Non-Atherosclerotic ST-Segment Elevation Myocardial Infarction in an Adolescent with Concurrent Hemoglobin H-Constant Spring Disease and Polycythemia Vera. *Hematology Reports*, **2015**, 7, 5941	0.9	3
44	Correlation of hepcidin and serum ferritin levels in thalassemia patients at Chiang Mai University Hospital. *Bioscience Reports*, **2021**, 41,	4.1	3
43	Fetal haemoglobin H-Constant Spring disease: a role for intrauterine management. *British Journal of Haematology*, **2020**, 190, e233-e236	4.5	2
42	The Pros and Cons of Splenectomy in Transfusion Dependent Thalassemia Patient. *Blood*, **2018**, 132, 4901-4901	2.2	2
41	Correlation Between Serum Ferritin and Viral Hepatitis in Thalassemia Patients. *Hemoglobin*, **2021**, 45, 175-179	0.6	2
40	Coinheritance of Hereditary Elliptocytosis and Deletional Hemoglobin H Disease. *Journal of Pediatric Hematology/Oncology*, **2017**, 39, e69-e70	1.2	1
39	The Effect of Transfusion-Dependent Thalassemia Patient's Serum on Peripheral Blood Mononuclear Cell Viability. *Journal of Cell Death*, **2019**, 12, 1179066018823534	1	1
38	Leukocyte telomere length in patients with transfusion-dependent thalassemia. *BMC Medical Genomics*, **2020**, 13, 73	3.7	1
37	Compound heterozygosity of a silent beta-thalassemia mutation at the 3'untranslated region (HBB: c.*132 C>T) and beta-zero thalassemia results in thalassemia intermedia. *Pediatric Blood and Cancer*, **2020**, 67, e28157	3	1
36	A Longitudinal Study of Growth and Relation With Anemia and Iron Overload in Pediatric Patients With Transfusion-dependent Thalassemia. *Journal of Pediatric Hematology/Oncology*, **2016**, 38, 457-62	1.2	1
35	Skin involvement in a newborn with down syndrome and transient myeloproliferative disorder. *Journal of Pediatric Hematology/Oncology*, **2012**, 34, e171-2	1.2	1
34	Prevalence and Risk Factors of Low Bone Mineral Density and Fractures of Young Thalassemia Patients. *Blood*, **2018**, 132, 3636-3636	2.2	1
33	A Randomized, Open-Labeled, Prospective Controlled Study to Assess the Efficacy of Frontline Empirical Intravenous Piperacillin/Tazobactam Monotherapy in Comparison with Ceftazidime Plus Amikacin for Febrile Neutropenia in Pediatric Oncology Patients. *Asian Pacific Journal of Cancer Prevention*, **2019**, 20, 2733-2737	1.7	1

32	The association between pre-transfusion hemoglobin levels and thalassemia complications. *Hematology*, **2021**, 26, 1-8	2.2	1
31	Severe neonatal haemolytic anaemia caused by compound heterozygous KLF1 mutations: report of four families and literature review. *British Journal of Haematology*, **2021**, 194, 626-634	4.5	1
30	Hemodynamic assessment of hydrops foetalis secondary to transient myeloproliferative disorder associated with foetal Down syndrome: A case report and literature review. *Journal of Obstetrics and Gynaecology*, **2016**, 36, 861-864	1.3	1
29	Early detection of ventricular dysfunction by tissue Doppler echocardiography related to cardiac iron overload in patients with thalassemia. *International Journal of Cardiovascular Imaging*, **2021**, 37, 91-98	2.5	1
28	In search of TP53 mutational hot spots for Li-Fraumeni syndrome in Asian populations. *Tropical Medicine and International Health*, **2021**, 26, 1401-1410	2.3	1
27	Outcome of intracranial hemorrhage in infants with congenital factor VII deficiency. *Journal of the Medical Association of Thailand = Chotmaihet Thangphaet*, **2002**, 85 Suppl 4, S1059-64		1
26	Calreticulin mutation analysis in non-mutated Janus kinase 2 essential thrombocythemia patients in Chiang Mai University: analysis of three methods and clinical correlations. *Hematology*, **2018**, 23, 613-619	2.2	0
25	Vincristine-induced polyneuropathy in a child with stage I WilmsRtumour presenting with unilateral abducens nerve palsy. *BMJ Case Reports*, **2014**, 2014,	0.9	0
24	Screening for Iron Deficiency Anemia in Infants in a Thalassemia-endemic Region. *Journal of Pediatric Hematology/Oncology*, **2021**, 43, e11-e14	1.2	0
23	Cardiorenal syndrome in thalassemia patients. *BMC Nephrology*, **2020**, 21, 325	2.7	0
22	Resilience in adolescents with thalassemia. *Pediatric Hematology and Oncology*, **2021**, 38, 124-133	1.7	0
21	Gaucher disease: clinical phenotypes and refining GBA mutational spectrum in Thai patients.. *Orphanet Journal of Rare Diseases*, **2021**, 16, 519	4.2	0
20	Discrepancy in the degree of polycythemia in a family with a novel nonsense EPOR mutation. *International Journal of Hematology*, **2019**, 110, 640-641	2.3	
19	No evidence of hemostasis disturbance in Thai children with iron deficiency anemia. *Annals of Hematology*, **2013**, 92, 287-8	3	
18	Genotypes and phenotypes of protein S deficiency in Thai children with thromboembolism. *Pediatric Blood and Cancer*, **2017**, 64, e26301	3	
17	Clinical outcomes and screening for organ involvement in pediatric Langerhans cell histiocytosis in Thailand: multicenter study on behalf of the Thai Pediatric Oncology Group.. *International Journal of Hematology*, **2022**, 115, 563	2.3	
16	Coinherited Hemoglobin H/Constant Spring Disease and Heterozygous Hemoglobin Tak Causing Severe Hemolytic Anemia in a Thai Boy. *Journal of Pediatric Hematology/Oncology*, **2021**, 43, e723-e726	1.2	
15	Genetic Polymorphisms in the Homocysteine Metabolism Pathway and Thrombosis in Thai Children: A Case Control Study.. *Blood*, **2006**, 108, 5493-5493	2.2	

List of Publications

14	The Effect of Chronic Viral Hepatitis on Serum Ferritin Level in Thalassemia Patients. *Blood*, **2019**, 134, 4819-4819	2.2
13	Factor-Associated Risk Factors of Mild Cognitive Impairment in Thalassemia Patients : Probable Role of FGF21. *Blood*, **2019**, 134, 2251-2251	2.2
12	Brief communication (Original). Rapid diagnosis of trisomy 21 by relative gene copy using real-time quantitative polymerase chain reaction. *Asian Biomedicine*, **2014**, 8, 399-403	0.4
11	Fetal anaemia from red blood cell membrane defect and co-inherited haemoglobin Constant Spring. *BMJ Case Reports*, **2015**, 2015,	0.9
10	Adverse Events in Treatment of Inherited Factor VII Deficiency: Final Analysis of the STER.. *Blood*, **2012**, 120, 2279-2279	2.2
9	Secondary erythrocytosis caused by hemoglobin Tak/Ethalassaemia disease during pregnancy: A case report. *Journal of Obstetrics and Gynaecology*, **2017**, 37, 252-253	1.3
8	Carvedilol improves left ventricular diastolic dysfunction in patients with transfusion-dependent thalassemia. *Annals of Pediatric Cardiology*, **2021**, 14, 152-158	0.8
7	Telomere shortening correlates with disease severity in hemoglobin H disease patients. *Blood Cells, Molecules, and Diseases*, **2021**, 89, 102563	2.1
6	Quantification of glucose-6-phosphate dehydrogenase activity by spectrophotometry: A systematic review and meta-analysis **2020**, 17, e1003084	
5	Quantification of glucose-6-phosphate dehydrogenase activity by spectrophotometry: A systematic review and meta-analysis **2020**, 17, e1003084	
4	Quantification of glucose-6-phosphate dehydrogenase activity by spectrophotometry: A systematic review and meta-analysis **2020**, 17, e1003084	
3	Quantification of glucose-6-phosphate dehydrogenase activity by spectrophotometry: A systematic review and meta-analysis **2020**, 17, e1003084	
2	Quantification of glucose-6-phosphate dehydrogenase activity by spectrophotometry: A systematic review and meta-analysis **2020**, 17, e1003084	
1	The successful strategy of comprehensive pre-implantation genetic testing for beta-thalassaemiaHaemoglobin E disease and chromosome balance using karyomapping. *Journal of Obstetrics and Gynaecology*,1-9	1.3