

# Rosline Hassan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7416794/publications.pdf>

Version: 2024-02-01

105  
papers

1,197  
citations

430874

18  
h-index

477307

29  
g-index

110  
all docs

110  
docs citations

110  
times ranked

1740  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Performance Assessment Study of Different Clinical Samples for Rapid COVID-19 Antigen Diagnosis Tests. <i>Diagnostics</i> , 2022, 12, 847.	2.6	7
2	Genetic Profiles and Risk Stratification in Adult De Novo Acute Myeloid Leukaemia in Relation to Age, Gender, and Ethnicity: A Study from Malaysia. <i>International Journal of Molecular Sciences</i> , 2022, 23, 258.	4.1	2
3	High-Dose Vitamin C for Cancer Therapy. <i>Pharmaceuticals</i> , 2022, 15, 711.	3.8	23
4	Prevalence and distribution of major $\beta^2$ -thalassemia mutations and HbE/ $\beta^2$ -thalassemia variant in Nepalese ethnic groups. <i>Hematology/ Oncology and Stem Cell Therapy</i> , 2021, , .	0.9	1
5	Hypomethylating Agents and Immunotherapy: Therapeutic Synergism in Acute Myeloid Leukemia and Myelodysplastic Syndromes. <i>Frontiers in Oncology</i> , 2021, 11, 624742.	2.8	19
6	Prevalence and characteristics of fever in adult and paediatric patients with coronavirus disease 2019 (COVID-19): A systematic review and meta-analysis of 17515 patients. <i>PLoS ONE</i> , 2021, 16, e0249788.	2.5	58
7	Gene expression profiling in normal cytogenetic acute myeloid leukaemia of Malay patient. <i>Bangladesh Journal of Medical Science</i> , 2021, 20, 556-562.	0.2	1
8	Conformation sensitive gel electrophoresis for the detection of calreticulin mutations in BCR-ABL1-negative myeloproliferative neoplasms. <i>International Journal of Laboratory Hematology</i> , 2021, 43, 1451-1457.	1.3	2
9	The Prevalence of TET2 Gene Mutations in Patients with BCR-ABL-Negative Myeloproliferative Neoplasms (MPN): A Systematic Review and Meta-Analysis. <i>Cancers</i> , 2021, 13, 3078.	3.7	10
10	Clinical and Laboratory Features of JAK2 V617F, CALR, and MPL Mutations in Malaysian Patients with Classical Myeloproliferative Neoplasm (MPN). <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7582.	2.6	4
11	Neoteric Algorithm Using Cell Population Data (VCS Parameters) as a Rapid Screening Tool for Haematological Disorders. <i>Diagnostics</i> , 2021, 11, 1652.	2.6	1
12	Aberrant Methylation of Tumour Suppressor Gene ADAM12 in Chronic Lymphocytic Leukemia Patients: Application of Methylation Specific-PCR Technique. <i>Asian Pacific Journal of Cancer Prevention</i> , 2021, 22, 85-91.	1.2	2
13	Non-compliance to iron chelation therapy in patients with transfusion-dependent thalassaemia. <i>Pediatric Hematology Oncology Journal</i> , 2021, 6, 207-215.	0.1	2
14	Performance Validation of COVID-19 Self-Conduct Buccal and Nasal Swabs RTK-Antigen Diagnostic Kit. <i>Diagnostics</i> , 2021, 11, 2245.	2.6	8
15	A Novel Algorithm Using Cell Population Data (VCS Parameters) as a Screening Discriminant between Alpha and Beta Thalassemia Traits. <i>Diagnostics</i> , 2021, 11, 2163.	2.6	3
16	A Global Mutational Profile of SARS-CoV-2: A Systematic Review and Meta-Analysis of 368,316 COVID-19 Patients. <i>Life</i> , 2021, 11, 1224.	2.4	10
17	Alpha-hemoglobin-stabilizing protein (AHSP): a modulatory factor in $\beta^2$ -thalassemia. <i>International Journal of Hematology</i> , 2020, 111, 352-359.	1.6	10
18	Immunomodulatory Effects of Diet and Nutrients in Systemic Lupus Erythematosus (SLE): A Systematic Review. <i>Frontiers in Immunology</i> , 2020, 11, 1477.	4.8	48

#	ARTICLE	IF	CITATIONS
19	Factors affecting health-related quality of life and its association with the Xmn1-G13 polymorphism among adolescents with transfusion-dependent beta thalassemia and HbE/ $\beta^2$ -thalassemia in East Coast Malaysia. <i>Pediatric Hematology Oncology Journal</i> , 2020, 5, 30-36.	0.1	1
20	Genetic polymorphisms of HbE/beta thalassemia related to clinical presentation: implications for clinical diversity. <i>Annals of Hematology</i> , 2020, 99, 729-735.	1.8	5
21	Prevalence of antiphospholipid antibodies in Behçet's disease: A systematic review and meta-analysis. <i>PLoS ONE</i> , 2020, 15, e0227836.	2.5	21
22	Gene Therapy Approaches in an Autoimmune Demyelinating Disease: Multiple Sclerosis. <i>Current Gene Therapy</i> , 2020, 19, 376-385.	2.0	18
23	Risk Factors for Poor Autologous Peripheral blood Stem Cell Mobilization among Lymphoproliferative Disease Patients. <i>Bangladesh Journal of Medical Science</i> , 2020, 19, 458-466.	0.2	1
24	Vitamin D status in patients with systemic lupus erythematosus (SLE): A systematic review and meta-analysis. <i>Autoimmunity Reviews</i> , 2019, 18, 102392.	5.8	74
25	Autologous Peripheral Blood Stem Cell Transplantation Among Lymphoproliferative Disease Patients: Factors Influencing Engraftment. <i>Oman Medical Journal</i> , 2019, 34, 34-43.	1.0	7
26	Molecular Detection of Glycophorins A and B Variant Phenotypes and their Clinical Relevance. <i>Transfusion Medicine Reviews</i> , 2019, 33, 118-124.	2.0	5
27	Clinical Diversity of Compound Heterozygotes for Hb E/ $\beta^2$ -Thalassemia ( $\beta^2$ <sup>0</sup>) IVS-I-1 (G>T). <i>Hemoglobin</i> , 2019, 43, 310-310.	0.8	0
28	Automated Intelligent Diagnostic Procedure for Chronic Leukemia. <i>Journal of Physics: Conference Series</i> , 2019, 1372, 012007.	0.4	0
29	Classification of Acute Leukemia Based on Multilayer Perceptron. <i>Journal of Physics: Conference Series</i> , 2019, 1372, 012044.	0.4	0
30	GSTM1 and GSTT1 Polymorphisms and Susceptibility to Acute Myeloid Leukemia: A Case-control Study of the Sudanese Population. <i>Asian Pacific Journal of Cancer Biology</i> , 2019, 4, 7-10.	0.2	1
31	Polycythaemia Vera among Sudanese Patients with Special Emphasis on JAK2 Mutations. <i>Asian Pacific Journal of Cancer Prevention</i> , 2019, 20, 41-44.	1.2	3
32	Interleukin-10 (1082G/A) Polymorphism is Associated with Susceptibility of Acute Myeloid Leukemia Patients in Sudanese Population. <i>Asian Pacific Journal of Cancer Prevention</i> , 2019, 20, 1939-1943.	1.2	5
33	Commemorating the 40-Year Journey of the School of Medical Sciences, Universiti Sains Malaysia. <i>The Malaysian Journal of Medical Sciences</i> , 2019, 26, 1-7.	0.5	1
34	Differential expression profiles of miRNAs and correlation with clinical outcomes in acute myeloid leukemia. <i>Meta Gene</i> , 2018, 16, 182-188.	0.6	2
35	A Comprehensive Comparison of DNA Extraction Using Fresh and Stored Bloods in Molecular Hematology Diagnostic Study. <i>Bangladesh Journal of Medical Science</i> , 2018, 17, 424-432.	0.2	0
36	The Effectiveness of Colour Constancy on Segmenting Leukemia Cells Using Unsupervised Clustering Technique. <i>Journal of Physics: Conference Series</i> , 2018, 1019, 012059.	0.4	0

#	ARTICLE	IF	CITATIONS
37	A review on effect of genetic features on treatment responses in acute myeloid leukemia. Meta Gene, 2018, 18, 31-38.	0.6	3
38	Fusion noise-removal technique with modified dark-contrast algorithm for robust segmentation of acute leukemia cell images. International Journal of Advances in Intelligent Informatics, 2018, 4, 202.	1.2	5
39	Dysregulation of micrnas-mRNAs expression and their potential therapeutic targets in acute promyelocytic leukaemia. Experimental Hematology, 2017, 53, S97.	0.4	0
40	Green Technology Wrist Band with Patient Identification Near Field Communication (NFC) or Radio Frequency Identification (RFID) Security Features. Advanced Science Letters, 2017, 23, 5329-5332.	0.2	2
41	Ineffective Erythropoiesis: Associated Factors and Their Potential as Therapeutic Targets in Beta-Thalassaemia Major. British Journal of Medicine and Medical Research, 2017, 21, 1-9.	0.2	0
42	Classification of Acute Luekemia Using HMLP Network Trained by Genetic Algorithm. Advanced Science Letters, 2017, 23, 2648-2652.	0.2	0
43	AUTOMATED WHITE BLOOD CELLS COUNTING SYSTEM FOR ACUTE LEUKEMIA BASED ON BLOOD IMAGES. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	1
44	Molecular genetic and epigenetic markers of Imatinib resistance in chronic myeloid leukemia patients. Annals of Oncology, 2016, 27, vii93.	1.2	0
45	Classification of bone marrow acute leukemia cells using multilayer perceptron network. , 2016, , .		2
46	Implementation of high dynamic range rendering on acute leukemia slide images using contrast stretching. , 2016, , .		3
47	An automated method for the nuclei and cytoplasm of Acute Myeloid Leukemia detection in blood smear images. , 2016, , .		6
48	Colour image segmentation using unsupervised clustering technique for acute leukemia images. AIP Conference Proceedings, 2015, , .	0.4	1
49	Enhancing SHP-1 expression with 5-azacytidine may inhibit STAT3 activation and confer sensitivity in lestaurtinib (CEP-701)-resistant FLT3-ITD positive acute myeloid leukemia. BMC Cancer, 2015, 15, 869.	2.6	43
50	Fibrinolytic Activity and Dose-Dependent Effect of Incubating Human Blood Clots in Caffeic Acid Phenethyl Ester: <i>In Vitro</i> Assays. BioMed Research International, 2015, 2015, 1-10.	1.9	5
51	Antileukemic Effect of Tualang Honey on Acute and Chronic Leukemia Cell Lines. BioMed Research International, 2015, 2015, 1-7.	1.9	19
52	The first Malay database toward the ethnic-specific target molecular variation. BMC Research Notes, 2015, 8, 176.	1.4	19
53	Color and morphological based techniques on white blood cells segmentation. , 2015, , .		6
54	Unsupervised color image segmentation of red blood cell for thalassemia disease. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
55	Characterisation and Clinical Significance of FLT3-ITD and non-ITD in Acute Myeloid Leukaemia Patients in Kelantan, Northeast Peninsular Malaysia. Asian Pacific Journal of Cancer Prevention, 2015, 16, 4869-4872.	1.2	11
56	Restoration of PRG2 Expression by 5-Azacytidine Involves in Sensitivity of PKC-412 (Midostaurin) Resistant FLT3-ITD Positive Acute Myeloid Leukaemia Cells. Journal of Hematology & Thromboembolic Diseases, 2015, 03, .	0.1	0
57	Leukemia Medical Application with Security Features. Journal of Software, 2015, 10, 577-598.	0.6	0
58	HIGH DYNAMIC RANGE IMPLEMENTATION ON ACUTE LEUKEMIA SLIDE IMAGES. Jurnal Teknologi (Sciences) Tj ETQq0,0 0 rgBT /Overlock	0.4	1
59	Guidelines for nucleic acid detection and analysis in hematological disorders. Malaysian Journal of Pathology, 2015, 37, 165-73.	0.2	7
60	MicroRNAs as Potential Biomarkers in Acute Promyelocytic Leukaemia. New Journal of Science, 2014, 2014, 1-6.	1.0	2
61	FLT3 Gene Mutation in Childhood Acute Leukemia: A Preliminary Study. New Journal of Science, 2014, 2014, 1-3.	1.0	0
62	<i>In Vitro</i> Whole Blood Clot Lysis for Fibrinolytic Activity Study Using D-Dimer and Confocal Microscopy. Advances in Hematology, 2014, 2014, 1-8.	1.0	20
63	Characterizing PML/RAR? Isoforms of Acute Promyelocytic Leukemia (APL) in Malay Patients. Bangladesh Journal of Medical Science, 2014, 13, 311-315.	0.2	1
64	Conformational Sensitive Gel Electrophoresis (CSGE) as a method for NPM1 mutational screening in patients with Acute Myeloid Leukaemia. Asian Pacific Journal of Tropical Disease, 2014, 4, 239.	0.5	0
65	A review of AML classification: a single institution experience in a developing country. Journal of Hematopathology, 2014, 7, 3-8.	0.4	3
66	Association of genotypes and haplotypes of multi-drug transporter genes ABCB1 and ABCG2 with clinical response to imatinib mesylate in chronic myeloid leukemia patients. Biomedicine and Pharmacotherapy, 2014, 68, 343-349.	5.6	53
67	BCR-ABL kinase domain mutations, including 2 novel mutations in imatinib resistant Malaysian chronic myeloid leukemia patientsâ€”Frequency and clinical outcome. Leukemia Research, 2014, 38, 454-459.	0.8	44
68	Silencing of Suppressor of Cytokine Signaling-3 due to Methylation Results in Phosphorylation of STAT3 in Imatinib Resistant BCR-ABL Positive Chronic Myeloid Leukemia Cells. Asian Pacific Journal of Cancer Prevention, 2014, 15, 4555-4561.	1.2	25
69	Low Level of TERC Gene Amplification between Chronic Myeloid Leukaemia Patients Resistant and Respond to Imatinib Mesylate Treatment. Asian Pacific Journal of Cancer Prevention, 2014, 15, 1863-1869.	1.2	6
70	The Value of Red Blood Cells (Rbc) Indices and Osmotic Fragility Test as Screening Tests in Malay Pregnant Women with Alpha Thalassaemia. , 2014, 11, .		0
71	Integrating Molecular, Epigenetic and Pharmacogenetic Approaches in Managing Imatinib Resistance Among Malaysian Chronic Myeloid Leukemia Patients. Blood, 2014, 124, 3150-3150.	1.4	0
72	Multiplex amplification refractory mutation system (MARMS) for the detection of Î²-globin gene mutations among the transfusion-dependent Î²-thalassemia Malay patients in Kelantan, Northeast of Peninsular Malaysia. American Journal of Blood Research, 2014, 4, 33-40.	0.6	6

#	ARTICLE	IF	CITATIONS
73	Predictive Molecular Markers of Imatinib Resistance and Prognosis in Chronic Myeloid Leukemia Patients. <i>Annals of Oncology</i> , 2013, 24, ix76.	1.2	0
74	Aspirin Effects on Platelets Using Whole Blood Tested by Platelet Aggregometry: A Comparative Study for Test Validation in a Clinical Hemostasis Laboratory. <i>Laboratory Medicine</i> , 2013, 44, 90-96.	1.2	3
75	Developmental Haemostasis for Factor V and Factor VIII Levels in Neonates: A Case Report of Spontaneous Cephalhaematoma. <i>Fetal and Pediatric Pathology</i> , 2013, 32, 77-81.	0.7	7
76	<i>HOXA4</i> Gene Promoter Hypermethylation as an Epigenetic Mechanism Mediating Resistance to Imatinib Mesylate in Chronic Myeloid Leukemia Patients. <i>BioMed Research International</i> , 2013, 2013, 1-7.	1.9	24
77	White Blood Cell Segmentation for Acute Leukemia Bone Marrow Images. <i>Journal of Medical Imaging and Health Informatics</i> , 2012, 2, 278-284.	0.3	39
78	An overview of thalassaemia disease. , 2012, , .		0
79	Review article a perspective of Myelodysplastic Syndrome (MDS). , 2012, , .		0
80	Leukaemia screening based on fuzzy ARTMAP and simplified fuzzy ARTMAP neural networks. , 2012, , .		2
81	Classification of blasts in acute leukemia blood samples using k-nearest neighbour. , 2012, , .		38
82	Single-Center Experience of von Willebrand Disease (vWD) Among Patients with Menorrhagia: A Diagnosis which could be Missed. <i>Indian Journal of Hematology and Blood Transfusion</i> , 2012, 28, 157-161.	0.6	5
83	White blood cell segmentation for acute leukemia bone marrow images. , 2012, , .		17
84	siRNAs targeting the ERK2 signaling pathway and AML1/MTG8 fusion gene attenuate the differentiation, proliferation and growth arrest in t(8;21) leukemia. <i>BMC Proceedings</i> , 2012, 6, .	1.6	0
85	Contribution of BCR-ABL kinase domain mutations to imatinib mesylate resistance in Philadelphia chromosome positive Malaysian chronic myeloid leukemia patients. <i>Hematology Reports</i> , 2012, 4, e23.	0.8	11
86	Multilevel Thresholding as a Simple Segmentation Technique in Acute Leukemia Images. <i>Journal of Medical Imaging and Health Informatics</i> , 2012, 2, 285-288.	0.3	7
87	Use of General Purpose GPU Programming to Enhance the Classification of Leukaemia Blast Cells in Blood Smear Images. <i>Lecture Notes in Computer Science</i> , 2012, , 369-380.	1.3	3
88	Screening of bone marrow slide images for Leukemia using Multilayer Perceptron (MLP). , 2011, , .		9
89	Unsupervised colour segmentation of white blood cell for acute leukaemia images. , 2011, , .		19
90	Nucleus segmentation technique for acute Leukemia. , 2011, , .		28

#	ARTICLE	IF	CITATIONS
91	Short-term estrogen replacement therapy reduces platelet marker levels in Malaysian postmenopausal women. <i>Menopause International</i> , 2011, 17, 6-10.	1.6	1
92	Skeletal, dentoalveolar, and soft tissue cephalometric measurements of Malay transfusion-dependent thalassaemia patients. <i>European Journal of Orthodontics</i> , 2011, 33, 700-704.	2.4	25
93	Colour image enhancement techniques for acute Leukaemia blood cell morphological features. , 2010, , .		14
94	Improving colour image segmentation on acute myelogenous leukaemia images using contrast enhancement techniques. , 2010, , .		20
95	Comparison of acute leukemia Image segmentation using HSI and RGB color space. , 2010, , .		21
96	Plasma Transferrin and Caeruloplasmin Levels in Nigerians with Diabetes Mellitus. <i>International Journal of Tropical Medicine</i> , 2010, 5, 6-9.	0.1	3
97	Detecting Leukaemia (AML) Blood Cells Using Cellular Automata and Heuristic Search. <i>Lecture Notes in Computer Science</i> , 2010, , 54-66.	1.3	8
98	Hematological reference values of healthy Malaysian population. <i>International Journal of Laboratory Hematology</i> , 2009, 31, 505-512.	1.3	24
99	Mutation of Genes Affecting the RAS Pathway Is Common in Childhood Acute Lymphoblastic Leukemia. <i>Cancer Research</i> , 2008, 68, 6803-6809.	0.9	129
100	Blood Cell Image Segmentation: A Review. <i>IFMBE Proceedings</i> , 2008, , 141-144.	0.3	44
101	Mutation in Genes Impacting on the RAS-RAF-MEK-ERK Pathway Are Found at High Incidence in Childhood Acute Lymphoblastic Leukemia at Both Diagnosis and at Relapse.. <i>Blood</i> , 2006, 108, 4328-4328.	1.4	0
102	Anemia and iron status of Malay women attending an antenatal clinic in Kubang Kerian, Kelantan, Malaysia. <i>Southeast Asian Journal of Tropical Medicine and Public Health</i> , 2005, 36, 1304-7.	1.0	5
103	Extraocular retinoblastoma. <i>Medical and Pediatric Oncology</i> , 2000, 35, 75-76.	1.0	20
104	Transcriptomic Profiles of MV4-11 and Kasumi 1 Acute Myeloid Leukemia Cell Lines Modulated by Epigenetic Modifiers Trichostatin A and 5-Azacytidine. <i>International Journal of Hematology-Oncology and Stem Cell Research</i> , 0, , .	0.3	2
105	Donors left over blood as a source of genomic DNA for genetic studies. <i>Clinical and Experimental Medical Sciences</i> , 0, 4, 25-32.	0.4	0