

# Elaine S Costa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4952588/publications.pdf>

Version: 2024-02-01

52  
papers

1,181  
citations

623734

14  
h-index

395702

33  
g-index

53  
all docs

53  
docs citations

53  
times ranked

2294  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Standardized flow cytometry for highly sensitive MRD measurements in B-cell acute lymphoblastic leukemia. <i>Blood</i> , 2017, 129, 347-357.   | 1.4 | 323       |
| 2  | Overview of clinical flow cytometry data analysis: recent advances and future challenges. <i>Trends in Biotechnology</i> , 2013, 31, 415-425.  | 9.3 | 119       |
| 3  | Generation of flow cytometry data files with a potentially infinite number of dimensions. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2008, 73A, 834-846.  | 1.5 | 81        |
| 4  | International cooperative study identifies treatment strategy in childhood ambiguous lineage leukemia. <i>Blood</i> , 2018, 132, 264-276.  | 1.4 | 70        |
| 5  | Blood monitoring of circulating tumor plasma cells by next generation flow in multiple myeloma after therapy. <i>Blood</i> , 2019, 134, 2218-2222.   | 1.4 | 66        |
| 6  | Overweight as a Prognostic Factor in Children With Acute Lymphoblastic Leukemia. <i>Obesity</i> , 2011, 19, 1908-1911.   | 3.0 | 58        |
| 7  | Contribution of Multiparameter Flow Cytometry Immunophenotyping to the Diagnostic Screening and Classification of Pediatric Cancer. <i>PLoS ONE</i> , 2013, 8, e55534.   | 2.5 | 48        |
| 8  | Birth weight patterns by gestational age in Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2011, 83, 619-625.   | 0.8 | 47        |
| 9  | Differential expression of CD73, CD86 and CD304 in normal vs. leukemic B-cell precursors and their utility as stable minimal residual disease markers in childhood B-cell precursor acute lymphoblastic leukemia. <i>Journal of Immunological Methods</i> , 2019, 475, 112429. | 1.4 | 40        |
| 10 | A Multidimensional Classification Approach for the Automated Analysis of Flow Cytometry Data. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 1155-1162.  | 4.2 | 37        |
| 11 | Retinoic Acid-Treated Pluripotent Stem Cells Undergoing Neurogenesis Present Increased Aneuploidy and Micronuclei Formation. <i>PLoS ONE</i> , 2011, 6, e20667.  | 2.5 | 31        |
| 12 | Recombinant L-Asparaginase from <i>Zymomonas mobilis</i> : A Potential New Antileukemic Agent Produced in <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2016, 11, e0156692.  | 2.5 | 30        |
| 13 | Maturation-associated gene expression profiles during normal human bone marrow erythropoiesis. <i>Cell Death Discovery</i> , 2019, 5, 69.  | 4.7 | 29        |
| 14 | Heme-Oxygenases during Erythropoiesis in K562 and Human Bone Marrow Cells. <i>PLoS ONE</i> , 2011, 6, e21358.  | 2.5 | 21        |
| 15 | Automated identification of leukocyte subsets improves standardization of database-guided expert-supervised diagnostic orientation in acute leukemia: a EuroFlow study. <i>Modern Pathology</i> , 2021, 34, 59-69.   | 5.5 | 15        |
| 16 | New Decision Support Tool for Treatment Intensity Choice in Childhood Acute Lymphoblastic Leukemia. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2009, 13, 284-290.   | 3.2 | 14        |
| 17 | Immunophenotypic Analysis of Acute Megakaryoblastic Leukemia: A EuroFlow Study. <i>Cancers</i> , 2022, 14, 1583.   | 3.7 | 11        |
| 18 | Sepsis-Related Mortality of Very Low Birth Weight Brazilian Infants: The Role of <i>Pseudomonas aeruginosa</i> . <i>International Journal of Pediatrics (United Kingdom)</i> , 2009, 2009, 1-6.  | 0.8 | 10        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Cytogenetic as an Important Tool for Diagnosis and Prognosis for Patients with Hypocellular Primary Myelodysplastic Syndrome. <i>BioMed Research International</i> , 2014, 2014, 1-10.  | 1.9 | 10        |
| 20 | First proposed panels on acute leukemia for four-color immunophenotyping by flow cytometry from the Brazilian Group of Flow Cytometry - GBCFLUX, 2014, , n/a-n/a.   |     | 10        |
| 21 | Maturation-associated gene expression profiles along normal human bone marrow monoipoiesis. <i>British Journal of Haematology</i> , 2017, 176, 464-474.   | 2.5 | 9         |
| 22 | Secondary abnormalities involving 1q or 13q and poor outcome in high stage Burkitt leukemia/lymphoma cases with 8q24 rearrangement at diagnosis. <i>International Journal of Hematology</i> , 2011, 93, 232-236.  | 1.6 | 8         |
| 23 | Altered neutrophil immunophenotypes in childhood B-cell precursor acute lymphoblastic leukemia. <i>Oncotarget</i> , 2016, 7, 24664-24676.   | 1.8 | 8         |
| 24 | Harmonization of light scatter and fluorescence flow cytometry profiles obtained after staining peripheral blood leucocytes for cell surface only versus intracellular antigens with the Fix & Perm, $\phi$ reagent. <i>Cytometry Part B - Clinical Cytometry</i> , 2010, 78B, 11-20. | 1.5 | 7         |
| 25 | First proposed panels on acute leukemia for four-color immunophenotyping by flow cytometry from the Brazilian group of flow cytometry-GBCFLUX. , 2015, 88, 194-203.   |     | 7         |
| 26 | Molecular approaches identify a cryptic MECOM rearrangement in a child with a rapidly progressive myeloid neoplasm. <i>Cancer Genetics</i> , 2018, 221, 25-30.  | 0.4 | 7         |
| 27 | Early-age Acute Leukemia: Revisiting Two Decades of the Brazilian Collaborative Study Group. <i>Archives of Medical Research</i> , 2016, 47, 593-606.   | 3.3 | 6         |
| 28 | Minimal residual disease assessment in acute lymphoblastic leukemia by 4-color flow cytometry: Recommendations from the MRD Working Group of the Brazilian Society of Bone Marrow Transplantation. <i>Hematology, Transfusion and Cell Therapy</i> , 2020, 43, 332-340.               | 0.2 | 6         |
| 29 | B-Cell Regeneration Profile and Minimal Residual Disease Status in Bone Marrow of Treated Multiple Myeloma Patients. <i>Cancers</i> , 2021, 13, 1704.   | 3.7 | 6         |
| 30 | Racemic Etodolac is cytotoxic and cytostatic for B-cell precursor acute lymphoblastic leukemia cells. <i>Biomedicine and Pharmacotherapy</i> , 2009, 63, 548-551.   | 5.6 | 5         |
| 31 | Flow Cytometry Immunophenotyping for Diagnostic Orientation and Classification of Pediatric Cancer Based on the EuroFlow Solid Tumor Orientation Tube (STOT). <i>Cancers</i> , 2021, 13, 4945.  | 3.7 | 5         |
| 32 | An uncommon case of childhood biphenotypic precursor-B/T acute lymphoblastic leukemia. <i>Pediatric Blood and Cancer</i> , 2008, 50, 941-942.   | 1.5 | 4         |
| 33 | Protector effect of $\hat{\pm}$ -thalassaemia on cholecystitis and cholecystectomy in sickle cell disease. <i>Hematology</i> , 2017, 22, 444-449.   | 1.5 | 4         |
| 34 | The Manufacture of GMP-Grade Bone Marrow Stromal Cells with Validated In Vivo Bone-Forming Potential in an Orthopedic Clinical Center in Brazil. <i>Stem Cells International</i> , 2019, 2019, 1-17.  | 2.5 | 4         |
| 35 | Expression Profiles of DNA Methylation and Demethylation Machinery Components in Pediatric Myelodysplastic Syndrome: Clinical Implications. <i>Cancer Management and Research</i> , 2020, Volume 12, 543-556.   | 1.9 | 4         |
| 36 | A unique set of complex chromosomal abnormalities in an infant with myeloid leukemia associated with Down syndrome. <i>Molecular Cytogenetics</i> , 2017, 10, 35.   | 0.9 | 3         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Bone Marrow Stromal Cell Regeneration Profile in Treated B-Cell Precursor Acute Lymphoblastic Leukemia Patients: Association with MRD Status and Patient Outcome. <i>Cancers</i> , 2022, 14, 3088.   | 3.7 | 3         |
| 38 | Flow cytometry as a diagnostic support tool in juvenile myelomonocytic leukemia. <i>Leukemia and Lymphoma</i> , 2016, 57, 233-236.   | 1.3 | 2         |
| 39 | Updating recommendations of the Brazilian Group of Flow Cytometry (GBCFLUX) for diagnosis of acute leukemias using four-color flow cytometry panels. <i>Hematology, Transfusion and Cell Therapy</i> , 2021, 43, 499-506.                    | 0.2 | 2         |
| 40 | Somatic genomic variants in refractory cytopenia of childhood. <i>Pediatric Hematology Oncology Journal</i> , 2021, 6, 123-126.  | 0.1 | 2         |
| 41 | Immunophenotypic shifts during minimal residual evaluation in a case of leukemic form of anaplastic large cell lymphoma $\langle scp \rangle ALK \langle /scp \rangle +$ . <i>Cancer Reports</i> , 2022, 5, e1526.                           | 1.4 | 2         |
| 42 | Aberrant Expression of EZH2 in Pediatric Patients with Myelodysplastic Syndrome: A Potential Biomarker of Leukemic Evolution. <i>BioMed Research International</i> , 2019, 2019, 1-9.  | 1.9 | 2         |
| 43 | Risk factors for the development of hospital-acquired pediatric venous thromboembolism—Dealing with potentially causal and confounding risk factors using a directed acyclic graph (DAG) analysis. <i>PLoS ONE</i> , 2020, 15, e0242311.     | 2.5 | 2         |
| 44 | Molecular cytogenetic studies characterizing a novel complex karyotype with an uncommon 5q22 deletion in childhood acute myeloid leukemia. <i>Molecular Cytogenetics</i> , 2015, 8, 62.  | 0.9 | 1         |
| 45 | Impact of Treatment on B-Cell Regeneration By Next Generation Flow Cytometry in Patients with Multiple Myeloma. <i>Blood</i> , 2018, 132, 4491-4491.   | 1.4 | 1         |
| 46 | An Original Complex Rearrangement Involving Chromosomes 9, 11, and 14, Harboring a Complex KMT2A Gene Rearrangement in an Infant With Mixed-phenotype Acute Leukemia. <i>Journal of Pediatric Hematology/Oncology</i> , 2021, 43, e371-e374. | 0.6 | 1         |
| 47 | Transient myelodysplasia in an infant with Down syndrome preceding acute megakaryoblastic leukemia: cytogenetic and immunophenotypic findings. <i>Cancer Genetics and Cytogenetics</i> , 2009, 188, 54-56.                                   | 1.0 | 0         |
| 48 | A rare case of myelodysplastic syndrome with $i(9q)$ in a child associated to osteochondromatosis. <i>Pediatric Blood and Cancer</i> , 2012, 58, 308-309.  | 1.5 | 0         |
| 49 | Expression and methylation status of $MDR1$ gene in pediatric primary myelodysplastic syndrome. <i>Pediatric Blood and Cancer</i> , 2017, 64, 209-210.   | 1.5 | 0         |
| 50 | A New Complex Karyotype Involving a $KMT2A$ Variant Three-Way Translocation in a Rare Clinical Presentation of a Pediatric Patient with Acute Myeloid Leukemia. <i>Cytogenetic and Genome Research</i> , 2019, 157, 213-219.                 | 1.1 | 0         |
| 51 | Minimal residual disease and quality sample evaluation by Next Generation Flow cytometry in multiple myeloma patients: a Brazilian experience. <i>Clinical Lymphoma, Myeloma and Leukemia</i> , 2019, 19, e179.                              | 0.4 | 0         |
| 52 | Euroflow-Based Immunophenotypic Characterization of CD34+ Cell Compartment in Juvenile Myelomonocytic Leukemia (JMML): A New Tool for Differential Diagnosis. <i>Blood</i> , 2016, 128, 3127-3127.   | 1.4 | 0         |