

# Andriy Derkach

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

1,951  
citations

257450

24  
h-index

276875

41  
g-index

78  
all docs

78  
docs citations

78  
times ranked

4189  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Chemotherapy and COVID-19 Outcomes in Patients With Cancer. <i>Journal of Clinical Oncology</i> , 2020, 38, 3538-3546.   | 1.6  | 195       |
| 2  | Identifying biomarkers of dietary patterns by using metabolomics. <i>American Journal of Clinical Nutrition</i> , 2017, 105, 450-465.  | 4.7  | 168       |
| 3  | Clinical and molecular predictors of response and survival following venetoclax therapy in relapsed/refractory AML. <i>Blood Advances</i> , 2021, 5, 1552-1564.  | 5.2  | 102       |
| 4  | Robust and Powerful Tests for Rare Variants Using Fisher's Method to Combine Evidence of Association From Two or More Complementary Tests. <i>Genetic Epidemiology</i> , 2013, 37, 110-121.                | 1.3  | 83        |
| 5  | The Consortium of Metabolomics Studies (COMETS): Metabolomics in 47 Prospective Cohort Studies. <i>American Journal of Epidemiology</i> , 2019, 188, 991-1012.   | 3.4  | 81        |
| 6  | Venetoclax and hypomethylating agents (HMAs) induce high response rates in MDS, including patients after HMA therapy failure. <i>Blood Advances</i> , 2020, 4, 2866-2870.                                  | 5.2  | 81        |
| 7  | Clonal hematopoiesis is associated with risk of severe Covid-19. <i>Nature Communications</i> , 2021, 12, 5975.  | 12.8 | 81        |
| 8  | Whole-genome sequencing reveals progressive versus stable myeloma precursor conditions as two distinct entities. <i>Nature Communications</i> , 2021, 12, 1861.  | 12.8 | 68        |
| 9  | Cigarette smoking behaviour and blood metabolomics. <i>International Journal of Epidemiology</i> , 2016, 45, 1421-1432.  | 1.9  | 63        |
| 10 | Safety and Effectiveness of Weekly Carfilzomib, Lenalidomide, Dexamethasone, and Daratumumab Combination Therapy for Patients With Newly Diagnosed Multiple Myeloma. <i>JAMA Oncology</i> , 2021, 7, 862.  | 7.1  | 63        |
| 11 | Pooled Association Tests for Rare Genetic Variants: A Review and Some New Results. <i>Statistical Science</i> , 2014, 29, .  | 2.8  | 60        |
| 12 | Effects of dietary sodium on metabolites: the Dietary Approaches to Stop Hypertension (DASH)â€™Sodium Feeding Study. <i>American Journal of Clinical Nutrition</i> , 2017, 106, 1131-1141.                 | 4.7  | 55        |
| 13 | Prospective Investigation of Serum Metabolites, Coffee Drinking, Liver Cancer Incidence, and Liver Disease Mortality. <i>Journal of the National Cancer Institute</i> , 2020, 112, 286-294.                | 6.3  | 53        |
| 14 | Serum metabolomic profiling of prostate cancer risk in the prostate, lung, colorectal, and ovarian cancer screening trial. <i>British Journal of Cancer</i> , 2016, 115, 1087-1095.                        | 6.4  | 52        |
| 15 | Plasmacytoid dendritic cell expansion defines a distinct subset of <i>RUNX1</i> -mutated acute myeloid leukemia. <i>Blood</i> , 2021, 137, 1377-1391.  | 1.4  | 51        |
| 16 | Dynamics of minimal residual disease in patients with multiple myeloma on continuous lenalidomide maintenance: a single-arm, single-centre, phase 2 trial. <i>Lancet Haematology</i> , 2021, 8, e422-e432. | 4.6  | 50        |
| 17 | COVID-19 Infections and Clinical Outcomes in Patients with Multiple Myeloma in New York City: A Cohort Study from Five Academic Centers. <i>Blood Cancer Discovery</i> , 2020, 1, 234-243.                 | 5.0  | 46        |
| 18 | Prospective serum metabolomic profiling of lethal prostate cancer. <i>International Journal of Cancer</i> , 2019, 145, 3231-3243.  | 5.1  | 43        |

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|----|---|------|-----------|
| 19 | Habitual sleep and human plasma metabolomics. <i>Metabolomics</i> , 2017, 13, 1.  | 3.0  | 36        |
| 20 | A Comprehensive Analysis of Nuclear-Encoded Mitochondrial Genes in Schizophrenia. <i>Biological Psychiatry</i> , 2018, 83, 780-789.   | 1.3  | 35        |
| 21 | Associations between metabolites and pancreatic cancer risk in a large prospective epidemiological study. <i>Gut</i> , 2020, 69, 2008-2015.   | 12.1 | 33        |
| 22 | Comparison of venous thromboembolism incidence in newly diagnosed multiple myeloma patients receiving bortezomib, lenalidomide, dexamethasone (RVD) or carfilzomib, lenalidomide, dexamethasone (KRd) with aspirin or rivaroxaban thromboprophylaxis. <i>British Journal of Haematology</i> , 2022, 196, 105-109. | 2.5  | 30        |
| 23 | Serum Metabolomic Profiling of All-Cause Mortality: A Prospective Analysis in the Alpha-Tocopherol, Beta-Carotene Cancer Prevention (ATBC) Study Cohort. <i>American Journal of Epidemiology</i> , 2018, 187, 1721-1732.  | 3.4  | 29        |
| 24 | Copy number signatures predict chromothripsis and clinical outcomes in newly diagnosed multiple myeloma. <i>Nature Communications</i> , 2021, 12, 5172.   | 12.8 | 27        |
| 25 | A Hypothesis-Driven Association Study of 28 Nuclear-Encoded Mitochondrial Genes with Antipsychotic-Induced Weight Gain in Schizophrenia. <i>Neuropsychopharmacology</i> , 2014, 39, 1347-1354.  | 5.4  | 26        |
| 26 | High Dimensional Mediation Analysis With Latent Variables. <i>Biometrics</i> , 2019, 75, 745-756.   | 1.4  | 25        |
| 27 | Pre-diagnostic Serum Metabolomic Profiling of Prostate Cancer Survival. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 853-859.   | 3.6  | 21        |
| 28 | Associations between IgG reactivity to Plasmodium falciparum erythrocyte membrane protein 1 (PfEMP1) antigens and Burkitt lymphoma in Ghana and Uganda case-control studies. <i>EBioMedicine</i> , 2019, 39, 358-368.   | 6.1  | 20        |
| 29 | Association of Body Mass Index with Fecal Microbial Diversity and Metabolites in the Northern Finland Birth Cohort. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 2289-2299.   | 2.5  | 20        |
| 30 | Power Analysis for Genetic Association Test (PAGEANT) provides insights to challenges for rare variant association studies. <i>Bioinformatics</i> , 2018, 34, 1506-1513.  | 4.1  | 18        |
| 31 | Venetoclax-based combinations in AML and high-risk MDS prior to and following allogeneic hematopoietic cell transplant. <i>Leukemia and Lymphoma</i> , 2021, 62, 3394-3401.   | 1.3  | 17        |
| 32 | The association of sleep with metabolic pathways and metabolites: evidence from the Dietary Approaches to Stop Hypertension (DASH)-sodium feeding study. <i>Metabolomics</i> , 2019, 15, 48.  | 3.0  | 15        |
| 33 | Patterns of Human Leukocyte Antigen Class I and Class II Associations and Cancer. <i>Cancer Research</i> , 2021, 81, 1148-1152.   | 0.9  | 15        |
| 34 | Score tests for association under response-dependent sampling designs for expensive covariates. <i>Biometrika</i> , 2015, 102, 988-994.   | 2.4  | 13        |
| 35 | Multicenter evaluation of efficacy and toxicity of venetoclax-based combinations in patients with accelerated and blast phase myeloproliferative neoplasms. <i>American Journal of Hematology</i> , 2022, 97, .   | 4.1  | 13        |
| 36 | Therapeutic Efficacy of Combined JAK1/2, Pan-PIM, and CDK4/6 Inhibition in Myeloproliferative Neoplasms. <i>Clinical Cancer Research</i> , 2021, 27, 3456-3468.   | 7.0  | 12        |

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|----|---|-----|-----------|
| 37 | Genetic Analysis Workshop 18 single-nucleotide variant prioritization based on protein impact, sequence conservation, and gene annotation. BMC Proceedings, 2014, 8, S11.   | 1.6 | 10        |
| 38 | Tailored treatment to MRD response: A phase I/II study for newly diagnosed multiple myeloma patients using high dose twice-weekly carfilzomib (45 and 56 mg/m <sup>2</sup> ) in combination with lenalidomide and dexamethasone. American Journal of Hematology, 2021, 96, E193-E196. | 4.1 | 10        |
| 39 | BMP2/SMAD pathway activation in JAK2/p53-mutant megakaryocyte/erythroid progenitors promotes leukemic transformation. Blood, 2022, 139, 3630-3646.  | 1.4 | 9         |
| 40 | Evaluation of gene-based association tests for analyzing rare variants using Genetic Analysis Workshop 18 data. BMC Proceedings, 2014, 8, S9.   | 1.6 | 7         |
| 41 | Metabolomic Profiling of Serum Retinol in the Alpha-Tocopherol, Beta-Carotene Cancer Prevention (ATBC) Study. Scientific Reports, 2017, 7, 10601.   | 3.3 | 7         |
| 42 | Neutropenia in adult acute myeloid leukemia patients represents a powerful risk factor for COVID-19 related mortality. Leukemia and Lymphoma, 2021, 62, 1940-1948.  | 1.3 | 7         |
| 43 | Belantamab Mafodotin in Patients with Relapsed/Refractory Multiple Myeloma, a Real-World Experience. Blood, 2021, 138, 1644-1644.   | 1.4 | 7         |
| 44 | Nutrition perceptions, needs and practices among patients with plasma cell disorders. Blood Cancer Journal, 2022, 12, 70.   | 6.2 | 7         |
| 45 | Group testing in mediation analysis. Statistics in Medicine, 2020, 39, 2423-2436.   | 1.6 | 6         |
| 46 | Serum antibody response in patients with philadelphia-chromosome positive or negative myeloproliferative neoplasms following vaccination with SARS-CoV-2 spike protein messenger RNA (mRNA) vaccines. Leukemia, 2021, 35, 3578-3580.  | 7.2 | 6         |
| 47 | Polygenic risk score for the prediction of breast cancer is related to lesser terminal duct lobular unit involution of the breast. Npj Breast Cancer, 2020, 6, 41.  | 5.2 | 5         |
| 48 | Initial Whole-Genome Sequencing of Plasma Cell Neoplasms in First Responders and Recovery Workers Exposed to the World Trade Center Attack of September 11, 2001. Clinical Cancer Research, 2021, 27, 2111-2118.  | 7.0 | 5         |
| 49 | Effect of additional cytogenetic abnormalities on survival in arsenic trioxide-treated acute promyelocytic leukemia. Blood Advances, 2022, 6, 3433-3439.  | 5.2 | 5         |
| 50 | Diabetes mellitus and risk of plasma cell and lymphoproliferative disorders in 94,579 cases and 368,348 matched controls. Haematologica, 2022, 107, 284-286.  | 3.5 | 4         |
| 51 | Immune-related conditions and cancer-specific mortality among older adults with cancer in the United States. International Journal of Cancer, 2022, 151, 1216-1227.   | 5.1 | 4         |
| 52 | African American patients with smoldering multiple myeloma may have a lower risk of progression compared to White patients. Journal of Clinical Oncology, 2022, 40, 8045-8045.  | 1.6 | 4         |
| 53 | Molecular Predictors and Effectiveness of Measurable Residual Disease (MRD) Eradication with Chemotherapy and Allogeneic Stem Cell Transplantation for Acute Myeloid Leukemia. Blood, 2020, 136, 18-20.   | 1.4 | 3         |
| 54 | Breast Cancer Risk in Women from Ghana Carrying Rare Germline Pathogenic Mutations. Cancer Epidemiology Biomarkers and Prevention, 2022, 31, 1593-1601.   | 2.5 | 3         |

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|----|--|-----|-----------|
| 55 | Subset testing and analysis of multiple phenotypes. <i>Genetic Epidemiology</i> , 2019, 43, 492-505.   | 1.3 | 2         |
| 56 | Arsenic trioxide therapy predisposes to herpes zoster reactivation despite minimally myelosuppressive therapy. <i>Leukemia Research</i> , 2021, 106, 106569.   | 0.8 | 2         |
| 57 | Whole-Genome Sequencing Reveals Evidence of Two Biologically and Clinically Distinct Entities: Progressive <i>&lt;i&gt;Versus&lt;/i&gt;</i> Stable Myeloma Precursor Disease. <i>Blood</i> , 2020, 136, 47-48.   | 1.4 | 2         |
| 58 | Outcomes of Patients with COVID-19 from a Specialized Cancer Care Emergency Room. <i>Cancer Investigation</i> , 2022, 40, 17-25.   | 1.3 | 2         |
| 59 | Copy Number Signatures Predict Chromothripsis and Poor Clinical Outcome in Newly Diagnosed Multiple Myeloma Patients. <i>Blood</i> , 2020, 136, 52-53.   | 1.4 | 2         |
| 60 | Association of Patient Activity Bioprofiles with Hrql and Clinical Responses: A Prospective Novel Trial Using Mobile Wearables in Newly Diagnosed Multiple Myeloma Patients. <i>Blood</i> , 2020, 136, 26-28.  | 1.4 | 2         |
| 61 | P-042: Sustained minimal residual disease negativity in Multiple Myeloma is impacted positively by stool butyrate and healthier plant forward diets. <i>Clinical Lymphoma, Myeloma and Leukemia</i> , 2021, 21, S61.   | 0.4 | 2         |
| 62 | Hypofibrinogenemia and disseminated intravascular coagulation rarely complicate treatment-naïve acute lymphoblastic leukemia. <i>Leukemia and Lymphoma</i> , 2020, 61, 2497-2501.  | 1.3 | 1         |
| 63 | A Pilot Plant-Based Dietary Intervention in Overweight and Obese Patients with Monoclonal Gammopathy of Undetermined Significance and Smoldering Multiple Myeloma- the Nutrition Prevention (NUTRIVENTION) Study. <i>Blood</i> , 2021, 138, 4759-4759.   | 1.4 | 1         |
| 64 | Venetoclax Therapy for Relapsed and Treatment Refractory AML: Clinical Outcomes and Molecular Predictors. <i>Blood</i> , 2020, 136, 47-48.   | 1.4 | 1         |
| 65 | VRd Versus KRd Safety Profiles in Newly Diagnosed Multiple Myeloma Patients Using Real-World Evidence Data from a Single Institution: VRd Has High Rates of Chronic Neuropathy, and KRd Has Low Rates of Cardiopulmonary or Renal Toxicities When Using Optimized IV Fluid Management Coupled with Baseline Cardiac Workup. <i>Blood</i> , 2020, 136, 37-38. | 1.4 | 1         |
| 66 | Evaluating serum-free light chain ratio as a biomarker for multiple myeloma.. <i>Journal of Clinical Oncology</i> , 2022, 40, 8047-8047.   | 1.6 | 1         |
| 67 | P-152: Providing nutritional guidance for patients with plasma cell disorders â€“ a missed opportunity for hematologists and oncologists?. <i>Clinical Lymphoma, Myeloma and Leukemia</i> , 2021, 21, S118-S119.   | 0.4 | 0         |
| 68 | The Genomic Landscape of Waldenström Macroglobulinemia Reveals Sustained Germinal Center Activity and Late-Developing Copy Number Aberrations. <i>Blood</i> , 2021, 138, 2394-2394.  | 1.4 | 0         |
| 69 | Clinical and Genomic Characterization of Secondary Acute Myeloid Leukemia with Mixed Phenotype. <i>Blood</i> , 2021, 138, 687-687.   | 1.4 | 0         |
| 70 | Long-Term Sustained Minimal Residual Disease (MRD) Negativity in Patients with Multiple Myeloma Treated with Continuous Lenalidomide Maintenance Therapy: A Clinical and Correlative Phase 2 Study. <i>Blood</i> , 2020, 136, 18-19.   | 1.4 | 0         |
| 71 | Diabetes Mellitus and Risk of Plasma Cell and Lymphoproliferative Disorders: A Population Based Study Including 94,579 Cases and 368,348 Matched Controls. <i>Blood</i> , 2020, 136, 44-45.  | 1.4 | 0         |
| 72 | Clinical Outcomes of Acute Myeloid Leukemia Patients Bridged to Allogeneic Stem Cell Transplant By Venetoclax Combination Therapy. <i>Blood</i> , 2020, 136, 16-17.  | 1.4 | 0         |

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|----|--|-----|-----------|
| 73 | Impact of Additional Cytogenetic Abnormalities and Complex Karyotype on Event-Free Survival in Acute Promyelocytic Leukemia: Analysis from a Single Academic Center Plus the APML4 Study. Blood, 2020, 136, 34-35.                 | 1.4 | 0         |
| 74 | Initial Whole Genome Sequencing of Plasma Cell Neoplasms in First Responders and Recovery Workers Exposed to the World Trade Center Attack of September 11, 2001. Blood, 2020, 136, 50-51.   | 1.4 | 0         |
| 75 | Clinical efficacy of daratumumab (DARA)-based second line therapy after DARA-containing and DARA-free induction therapies in multiple myeloma: A single center experience.. Journal of Clinical Oncology, 2022, 40, e20005-e20005. | 1.6 | 0         |