

# Sinisa Dovat

## List of Publications by Year in descending order

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95  
papers

2,336  
citations

172207

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times ranked

3426  
citing authors

#	ARTICLE	IF	CITATIONS
1	Abstract PR-12: Novel targeted combination therapy to reduce health disparity in high-risk B-cell acute lymphoblastic leukemia in Hispanic/Latino children. , 2022, , .		0
2	Transcriptional regulation of Rab21 GTPase in leukemia. FASEB Journal, 2022, 36, .	0.2	0
3	Dual targeting of MTOR as a novel therapeutic approach for high-risk B-cell acute lymphoblastic leukemia. Leukemia, 2021, 35, 1267-1278.	3.3	10
4	Increased Incidence of IKZF1 deletions and IGH-CRLF2 translocations in B-ALL of Hispanic/Latino childrenâ€”a novel health disparity. Leukemia, 2021, 35, 2399-2402.	3.3	19
5	Abstract 1047: Dual targeting of CK2 and MTOR as a novel therapeutic approach for high-risk B-cell acute lymphoblastic leukemia. , 2021, , .		0
6	DJ4 Targets the Rho-Associated Protein Kinase Pathway and Attenuates Disease Progression in Preclinical Murine Models of Acute Myeloid Leukemia. Cancers, 2021, 13, 4889.	1.7	4
7	Genomic and epigenomic adaptation in SP-R210 (Myo18A) isoform-deficient macrophages. Immunobiology, 2021, 226, 152150.	0.8	3
8	The novel Isatin analog KS99 targets stemness markers in acute myeloid leukemia. Haematologica, 2020, 105, 687-696.	1.7	14
9	Cellular signaling and epigenetic regulation of gene expression in leukemia. Advances in Biological Regulation, 2020, 75, 100665.	1.4	20
10	RNA-binding protein IGF2BP1 maintains leukemia stem cell properties by regulating HOXB4, MYB, and ALDH1A1. Leukemia, 2020, 34, 1354-1363.	3.3	94
11	Medulloblastoma: â€œOnset of the molecular eraâ€. Molecular Biology Reports, 2020, 47, 9931-9937.	1.0	6
12	Regulation of Small GTPase Rab20 by Ikaros in B-Cell Acute Lymphoblastic Leukemia. International Journal of Molecular Sciences, 2020, 21, 1718.	1.8	4
13	Alteration of CTCF-associated chromatin neighborhood inhibits TAL1-driven oncogenic transcription program and leukemogenesis. Nucleic Acids Research, 2020, 48, 3119-3133.	6.5	19
14	The PI3K/AKT Pathway Inhibitor ISC-4 Induces Apoptosis and Inhibits Growth of Leukemia in Preclinical Models of Acute Myeloid Leukemia. Frontiers in Oncology, 2020, 10, 393.	1.3	14
15	Transient receptor potential ion channel TRPM2 promotes AML proliferation and survival through modulation of mitochondrial function, ROS, and autophagy. Cell Death and Disease, 2020, 11, 247.	2.7	44
16	IKAROS and CK2 regulate expression of BCL-XL and chemosensitivity in high-risk B-cell acute lymphoblastic leukemia. Blood, 2020, 136, 1520-1534.	0.6	28
17	RAG1 high expression associated with IKZF1 dysfunction in adult B-cell acute lymphoblastic leukemia. Journal of Cancer, 2019, 10, 3842-3850.	1.2	28
18	Structural Basis of Colchicine-Site targeting Acylhydrazones active against Multidrug-Resistant Acute Lymphoblastic Leukemia. IScience, 2019, 21, 95-109.	1.9	4

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19	Ikaros tumor suppressor function includes induction of active enhancers and super-enhancers along with pioneering activity. <i>Leukemia</i> , 2019, 33, 2720-2731.	3.3	32
20	<em>HOX</em> Loci Focused CRISPR/sgRNA Library Screening Identifying Critical CTCF Boundaries. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	3
21	PARI (PARPBP) suppresses replication stress-induced myeloid differentiation in leukemia cells. <i>Oncogene</i> , 2019, 38, 5530-5540.	2.6	13
22	CK2 Inhibitor CX4945 Shows Strong In Vivo Synergistic Anti-Leukemia Activity with Rapamycin in B-ALL Due to Enhanced Ikaros Mediated Repression of mTOR Pathway. <i>Blood</i> , 2019, 134, 2634-2634.	0.6	1
23	CK2 Inhibitor CX4945 Shows Strong In Vivo Anti Leukemia Effect in AML Via Augmented Ikaros-Mediated Regulation of Global Epigenetic Landscape. <i>Blood</i> , 2019, 134, 2522-2522.	0.6	0
24	Oncogenesis of CRLF2 Overexpression and Effect of JAK2 Inhibitor in CRLF2 Overexpressed B-Cell Acute Lymphoblastic Leukemia. <i>Blood</i> , 2019, 134, 2757-2757.	0.6	0
25	New rapid method to detect BCR-ABL fusion genes with multiplex RT-qPCR in one-tube at a time. <i>Leukemia Research</i> , 2018, 69, 47-53.	0.4	10
26	Plant homeodomain finger protein 2 as a novel IKAROS target in acute lymphoblastic leukemia. <i>Epigenomics</i> , 2018, 10, 59-69.	1.0	14
27	Aberrant ARID5B expression and its association with Ikaros dysfunction in acute lymphoblastic leukemia. <i>Oncogenesis</i> , 2018, 7, 84.	2.1	22
28	Epigenetic Regulation of Oncogenes in Leukemia by the Ikaros Tumor Suppressor. <i>FASEB Journal</i> , 2018, 32, 787.12.	0.2	0
29	Germline IKAROS mutation associated with primary immunodeficiency that progressed to T-cell acute lymphoblastic leukemia. <i>Leukemia</i> , 2017, 31, 1221-1223.	3.3	56
30	Casein Kinase II (CK2), Glycogen Synthase Kinase-3 (GSK-3) and Ikaros mediated regulation of leukemia. <i>Advances in Biological Regulation</i> , 2017, 65, 16-25.	1.4	21
31	STAT5 alters the state of transcriptional networks, driving aggressive leukemia. <i>Nature Immunology</i> , 2017, 18, 597-598.	7.0	3
32	A novel dual inhibitor of microtubule and Bruton's tyrosine kinase inhibits survival of multiple myeloma and osteoclastogenesis. <i>Experimental Hematology</i> , 2017, 53, 31-42.	0.2	15
33	Regulation of cellular proliferation in acute lymphoblastic leukemia by Casein Kinase II (CK2) and Ikaros. <i>Advances in Biological Regulation</i> , 2017, 63, 71-80.	1.4	33
34	Ikaros regulation of the BCL6/BACH2 axis and its clinical relevance in acute lymphoblastic leukemia. <i>Oncotarget</i> , 2017, 8, 8022-8034.	0.8	27
35	TSLP or IL-7 provide an IL-7R $\alpha$ signal that is critical for human B lymphopoiesis. <i>European Journal of Immunology</i> , 2016, 46, 2155-2161.	1.6	34
36	A novel xenograft model to study the role of TSLP-induced CRLF2 signals in normal and malignant human B lymphopoiesis. <i>Haematologica</i> , 2016, 101, 417-426.	1.7	25

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37	Depletion of the Human Ion Channel TRPM2 in Neuroblastoma Demonstrates Its Key Role in Cell Survival through Modulation of Mitochondrial Reactive Oxygen Species and Bioenergetics. <i>Journal of Biological Chemistry</i> , 2016, 291, 24449-24464.	1.6	58
38	Novel dynamin 2 mutations in adult T-cell acute lymphoblastic leukemia. <i>Oncology Letters</i> , 2016, 12, 2746-2751.	0.8	14
39	Targeting High Dynamin-2 (DNM2) Expression by Restoring Ikaros Function in Acute Lymphoblastic Leukemia. <i>Scientific Reports</i> , 2016, 6, 38004.	1.6	25
40	Transcriptional Regulation of JARID1B/KDM5B Histone Demethylase by Ikaros, Histone Deacetylase 1 (HDAC1), and Casein Kinase 2 (CK2) in B-cell Acute Lymphoblastic Leukemia. <i>Journal of Biological Chemistry</i> , 2016, 291, 4004-4018.	1.6	51
41	Epigenetic regulation of gene expression by Ikaros, HDAC1 and Casein Kinase II in leukemia. <i>Leukemia</i> , 2016, 30, 1436-1440.	3.3	45
42	Protein Signaling and Regulation of Gene Transcription in Leukemia: Role of the Casein Kinase II-Ikaros Axis. <i>Journal of Investigative Medicine</i> , 2016, 64, 735-739.	0.7	13
43	Co-existence of IL7R high and SH2B3 low expression distinguishes a novel high-risk acute lymphoblastic leukemia with Ikaros dysfunction. <i>Oncotarget</i> , 2016, 7, 46014-46027.	0.8	30
44	High CRLF2 expression associates with IKZF1 dysfunction in adult acute lymphoblastic leukemia without CRLF2 rearrangement. <i>Oncotarget</i> , 2016, 7, 49722-49732.	0.8	35
45	Amplexicaule A exerts anti-tumor effects by inducing apoptosis in human breast cancer. <i>Oncotarget</i> , 2016, 7, 18521-18530.	0.8	10
46	WDR5 high expression and its effect on tumorigenesis in leukemia. <i>Oncotarget</i> , 2016, 7, 37740-37754.	0.8	64
47	Casein kinase II (CK2) as a therapeutic target for hematological malignancies. <i>Current Pharmaceutical Design</i> , 2016, 22, 1-1.	0.9	37
48	Transcriptional Repression of the LMO2 Oncogene By Ikaros in T-Cell Acute Lymphoblastic Leukemia. <i>Blood</i> , 2016, 128, 439-439.	0.6	0
49	Targeting High Dynamin2 Expression By Restoring Ikaros Function in Acute Lymphoblastic Leukemia. <i>Blood</i> , 2016, 128, 2713-2713.	0.6	0
50	Targeting casein kinase II restores Ikaros tumor suppressor activity and demonstrates therapeutic efficacy in high-risk leukemia. <i>Blood</i> , 2015, 126, 1813-1822.	0.6	75
51	Characterization of LEF1 High Expression and Novel Mutations in Adult Acute Lymphoblastic Leukemia. <i>PLoS ONE</i> , 2015, 10, e0125429.	1.1	46
52	Pediatric High Risk Leukemia – Molecular Insights. , 2015, , .		1
53	Clinical Significance of WDR5 High Expression and Its Effect on Tumorigenesis in Adult Leukemia. <i>Blood</i> , 2015, 126, 3657-3657.	0.6	6
54	Targeting Casein Kinase II Exerts a Therapeutic Effect in Pediatric High Risk Leukemia Via Inhibition of Cell Cycle Progression and the PI3K Pathway. <i>Blood</i> , 2015, 126, 4800-4800.	0.6	1

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55	Arrhythmogenic Biophysical Phenotype for SCN5A Mutation S1787N Depends upon Splice Variant Background and Intracellular Acidosis. PLoS ONE, 2015, 10, e0124921.	1.1	16
56	Clinical significance of high <i>c-MYC</i> and low <i>MYCBP2</i> expression and their association with <i>Ikaros</i> dysfunction in adult acute lymphoblastic leukemia. Oncotarget, 2015, 6, 42300-42311.	0.8	42
57	Clinical Significance of High C-MYC and Low MYCBP2 Expression and Their Association with Ikaros Dysfunction in Adult Acute Lymphoblastic Leukemia. Blood, 2015, 126, 3713-3713.	0.6	0
58	A Patient-Derived Xenograft Model for Identifying Therapies and Defining Mechanisms of TSLP-Induced CRLF2 Signals in Ph-like B-ALL. Blood, 2015, 126, 2633-2633.	0.6	0
59	Epstein-Barr Virus Utilizes Ikaros in Regulating Its Latent-Lytic Switch in B Cells. Journal of Virology, 2014, 88, 4811-4827.	1.5	21
60	Protein Phosphatase 1 (PP1) and Casein Kinase II (CK2) regulate Ikaros-mediated repression of <i>TdT</i> in thymocytes and <i>cell</i> leukemia. Pediatric Blood and Cancer, 2014, 61, 2230-2235.	0.8	19
61	Gambogic acid inhibits multiple myeloma mediated osteoclastogenesis through suppression of chemokine receptor CXCR4 signaling pathways. Experimental Hematology, 2014, 42, 883-896.	0.2	37
62	GOS2 "A new player in leukemia. Leukemia Research, 2014, 38, 147-148.	0.4	3
63	Abstract B25: A human-mouse xenograft model to evaluate therapies and study the role of TSLP-induced signals in Ph-like ALL. , 2014, , .		0
64	Erk and Stat5 Feedback Control Enables Pre-B Cell Transformation and Represents a Therapeutic Target in Acute Lymphoblastic Leukemia. Blood, 2014, 124, 787-787.	0.6	0
65	Restoring Ikaros Function in Leukemia : Casein Kinase II ( CK2) Inhibition Restores Ikaros Tumor Suppressor Function and Shows Therapeutic Efficacy in Preclinical Models of High Risk Pediatric Leukemia. Blood, 2014, 124, 3712-3712.	0.6	0
66	Epigenetic Regulation of Cell Cycle-Promoting Genes By Ikaros and HDAC1 in Acute Lymphoblastic Leukemia. Blood, 2014, 124, 3571-3571.	0.6	0
67	Chromatin State Shaping the Gene Expression Profiling in the Inducible Differentiation of Promyelocytic Leukemia Cells. Blood, 2014, 124, 5188-5188.	0.6	0
68	TSLP-Induced Alterations of Multiple Signaling Pathways in Primary CRLF2 B-ALL Xenografts. Blood, 2014, 124, 3783-3783.	0.6	0
69	Pathogenesis and regulation of cellular proliferation in acute lymphoblastic leukemia - the role of Ikaros. Journal of B U on, 2014, 19, 22-8.	0.4	7
70	Induction of senescence by adenosine suppressing the growth of lung cancer cells. Biochemical and Biophysical Research Communications, 2013, 440, 62-67.	1.0	14
71	Ikaros: the enhancer makes the difference. Blood, 2013, 122, 3091-3092.	0.6	2
72	Genetic Targets in Pediatric Acute Lymphoblastic Leukemia. Advances in Experimental Medicine and Biology, 2013, 779, 327-340.	0.8	17

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73	Serine phosphorylation by SYK is critical for nuclear localization and transcription factor function of Ikaros. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18072-18077.	3.3	56
74	Congenital pancytopenia and absence of B lymphocytes in a neonate with a mutation in the ikaros gene. <i>Pediatric Blood and Cancer</i> , 2012, 58, 591-597.	0.8	85
75	Cell cycle-specific function of Ikaros in human leukemia. <i>Pediatric Blood and Cancer</i> , 2012, 59, 69-76.	0.8	16
76	Angiogenesis and Survival in Patients with Myelodysplastic Syndrome. <i>Pathology and Oncology Research</i> , 2012, 18, 681-690.	0.9	18
77	Use of qChIP to identify genes targeted by the Ikaros tumor suppressor. <i>FASEB Journal</i> , 2012, 26, 931.11.	0.2	0
78	Pre-B cell receptor-mediated activation of BCL6 induces pre-B cell quiescence through transcriptional repression of MYC. <i>Blood</i> , 2011, 118, 4174-4178.	0.6	58
79	Ikaros and Tumor Suppression in Acute Lymphoblastic Leukemia. <i>Critical Reviews in Oncogenesis</i> , 2011, 16, 3-12.	0.2	60
80	Ikaros, CK2 kinase, and the road to leukemia. <i>Molecular and Cellular Biochemistry</i> , 2011, 356, 201-207.	1.4	46
81	AMID Mediates Adenosine-Induced Caspase-Independent HuH-7 Cell Apoptosis. <i>Cellular Physiology and Biochemistry</i> , 2011, 27, 37-44.	1.1	17
82	Ikaros in hematopoiesis and leukemia. <i>World Journal of Biological Chemistry</i> , 2011, 2, 105.	1.7	14
83	Regulation of Ikaros function by casein kinase 2 and protein phosphatase 1. <i>World Journal of Biological Chemistry</i> , 2011, 2, 126.	1.7	31
84	Ikaros isoforms: The saga continues. <i>World Journal of Biological Chemistry</i> , 2011, 2, 140.	1.7	30
85	Tumor suppression in T cell leukemia-The role of Ikaros. <i>Leukemia Research</i> , 2010, 34, 416-417.	0.4	19
86	IL-7 Dependence in Human B Lymphopoiesis Increases during Progression of Ontogeny from Cord Blood to Bone Marrow. <i>Journal of Immunology</i> , 2009, 182, 4255-4266.	0.4	85
87	Ikaros Stability and Pericentromeric Localization Are Regulated by Protein Phosphatase 1. <i>Journal of Biological Chemistry</i> , 2009, 284, 13869-13880.	1.6	80
88	Human gamma-satellite DNA maintains open chromatin structure and protects a transgene from epigenetic silencing. <i>Genome Research</i> , 2009, 19, 533-544.	2.4	67
89	Recruitment of Ikaros to Pericentromeric Heterochromatin Is Regulated by Phosphorylation. <i>Journal of Biological Chemistry</i> , 2008, 283, 8291-8300.	1.6	78
90	Severe Congenital Protein C Deficiency: Description of a New Mutation and Prophylactic Protein C Therapy and In Vivo Pharmacokinetics. <i>Journal of Pediatric Hematology/Oncology</i> , 2008, 30, 166-171.	0.3	13

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91	Human Ikaros Function in Activated T Cells Is Regulated by Coordinated Expression of Its Largest Isoforms. <i>Journal of Biological Chemistry</i> , 2007, 282, 2538-2547.	1.6	45
92	Transgenic Expression of Helios in B Lineage Cells Alters B Cell Properties and Promotes Lymphomagenesis. <i>Journal of Immunology</i> , 2005, 175, 3508-3515.	0.4	30
93	A common mechanism for mitotic inactivation of C2H2 zinc finger DNA-binding domains. <i>Genes and Development</i> , 2002, 16, 2985-2990.	2.7	128
94	Unrelated umbilical cord stem cell transplantation for X-linked immunodeficiencies. <i>Journal of Pediatrics</i> , 2001, 138, 570-573.	0.9	47
95	Isolation, cloning, and characterization of a novel rat lung zinc finger gene, RLZF-Y. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1998, 1442, 380-388.	2.4	4