Sonali P Barwe

List of Publications by Year
in descending order

49 papers	788 citations	623188 14 h-index	525886 27 g-index
49 all docs	49 docs citations	49 times ranked	1086 citing authors

#	Article	IF	Citations
1	The menin-MLL1 interaction is a molecular dependency in NUP98-rearranged AML. Blood, 2022, 139, 894-906.	0.6	42
2	Efficacy of Flotetuzumab in Combination with Cytarabine in Patient-Derived Xenograft Models of Pediatric Acute Myeloid Leukemia. Journal of Clinical Medicine, 2022, 11, 1333.	1.0	3
3	Modeling Down Syndrome Myeloid Leukemia by Sequential Introduction of GATA1 and STAG2 Mutations in Induced Pluripotent Stem Cells with Trisomy 21. Cells, 2022, 11, 628.	1.8	1
4	Mesothelin: An Immunotherapeutic Target beyond Solid Tumors. Cancers, 2022, 14, 1550.	1.7	20
5	Imetelstat Induces Leukemia Stem Cell Death in Pediatric Acute Myeloid Leukemia Patient-Derived Xenografts. Journal of Clinical Medicine, 2022, 11, 1923.	1.0	5
6	The extracellular matrix: A key player in the pathogenesis of hematologic malignancies. Blood Reviews, 2021, 48, 100787.	2.8	14
7	A 3-D hydrogel based system for hematopoietic differentiation and its use in modeling down syndrome associated transient myeloproliferative disorder. Biomaterials Science, 2021, 9, 6266-6281.	2.6	4
8	Mesothelin is a novel cell surface disease marker and potential therapeutic target in acute myeloid leukemia. Blood Advances, 2021, 5, 2350-2361.	2.5	16
9	Harnessing the Power of Induced Pluripotent Stem Cells and Gene Editing Technology: Therapeutic Implications in Hematological Malignancies. Cells, 2021, 10, 2698.	1.8	2
10	Immunotherapeutic Targeting of Mesothelin Positive Pediatric AML Using Bispecific T Cell Engaging Antibodies. Cancers, 2021, 13, 5964.	1.7	2
11	Introduction of STAG2 Mutation in an iPSC Model of Transient Abnormal Myelopoiesis Mimics Down Syndrome Myeloid Leukemia. Blood, 2021, 138, 1138-1138.	0.6	0
12	CD81 knockout promotes chemosensitivity and disrupts in vivo homing and engraftment in acute lymphoblastic leukemia. Blood Advances, 2020, 4, 4393-4405.	2.5	16
13	Modeling Transient Abnormal Myelopoiesis Using Induced Pluripotent Stem Cells and CRISPR/Cas9 Technology. Molecular Therapy - Methods and Clinical Development, 2020, 19, 201-209.	1.8	8
14	Error-corrected sequencing strategies enable comprehensive detection of leukemic mutations relevant for diagnosis and minimal residual disease monitoring. BMC Medical Genomics, 2020, 13, 32.	0.7	14
15	Understanding the Mechanisms by Which Epigenetic Modifiers Avert Therapy Resistance in Cancer. Frontiers in Oncology, 2020, 10, 992.	1.3	40
16	Strong concordance between RNA structural and single nucleotide variants identified via next generation sequencing techniques in primary pediatric leukemia and patient-derived xenograft samples. Genomics and Informatics, 2020, 18, e6.	0.4	2
17	Mesothelin Expression Is Associated with Extramedullary Disease and Promotes In Vivo Leukemic Growth in Acute Myeloid Leukemia. Blood, 2020, 136, 38-39.	0.6	3
18	In Vivo Evaluation of Mesothelin As a Therapeutic Target in Pediatric Acute Myeloid Leukemia. Blood, 2019, 134, 1370-1370.	0.6	4

#	Article	IF	Citations
19	Modulation of CD81 By Epigenetic Drug Combination Sensitizes Acute Lymphoblastic Leukemia Via Decreased BTK Signaling. Blood, 2019, 134, 2628-2628.	0.6	1
20	Abstract LB-322: Identification of a novel fusion protein SPTAN1-ABL1 in a child with T-cell acute lymphoblastic leukemia: Functional characterization and therapeutic implications. , 2019, , .		0
21	A Hydrogel Based 3D Culture System for Hematopoietic Differentiation of Induced Pluripotent Stem Cells. Blood, 2019, 134, 5010-5010.	0.6	0
22	Effect of Ara-C on T-Cell Function and Flotetuzumab Activity in Pediatric Acute Myeloid Leukemia. Blood, 2019, 134, 1387-1387.	0.6	1
23	Generation, Characterization and Pre-Clinical Drug Evaluation of Patient-Derived Xenograft Models of Pediatric Down Syndrome AML. Blood, 2019, 134, 2683-2683.	0.6	1
24	Mesothelin Targeting Bites for Pediatric AML: In Vivo Efficacy and Specificity. Blood, 2019, 134, 3925-3925.	0.6	1
25	Epigenetic Drug Combination Overcomes Bone Marrow Microenvironment-Induced Chemoprotection in Pediatric Acute Lymphoblastic Leukemia Via Modulation of CD81. Blood, 2018, 132, 3957-3957.	0.6	2
26	Epigenetic Drug Combination Chemo-Sensitizes Pediatric AML By Reducing Cell Adhesion and Dislodging AML Cells from the Bone Marrow. Blood, 2018, 132, 2637-2637.	0.6	0
27	Epigenetic drug combination overcomes osteoblast-induced chemoprotection in pediatric acute lymphoid leukemia. Leukemia Research, 2017, 56, 36-43.	0.4	9
28	Epigenetic drug combination induces remission in mouse xenograft models of pediatric acute myeloid leukemia. Leukemia Research, 2017, 58, 91-97.	0.4	13
29	Knockdown of sodiumâ€“calcium exchanger 1 induces epithelial-to-mesenchymal transition in kidney epithelial cells. Journal of Biological Chemistry, 2017, 292, 11388-11399.	1.6	11
30	Eviction from the sanctuary: Development of targeted therapy against cell adhesion molecules in acute lymphoblastic leukemia. Seminars in Oncology, 2017, 44, 101-112.	0.8	15
31	Generation of Pediatric Leukemia Xenograft Models in NSG-B2m Mice: Comparison with NOD/SCID Mice. Frontiers in Oncology, 2016, 6, 162.	1.3	21
32	Glucocorticoids Suppress Renal Cell Carcinoma Progression by Enhancing Na,K-ATPase Beta-1 Subunit Expression. PLoS ONE, 2015, 10, e0122442.	1.1	15
33	Disruption of Annexin II /p11 Interaction Suppresses Leukemia Cell Binding, Homing and Engraftment, and Sensitizes the Leukemia Cells to Chemotherapy. PLoS ONE, 2015, 10, e0140564.	1.1	23
34	Sodium-Calcium Exchanger 1 Regulates Epithelial Cell Migration via Calcium-dependent Extracellular Signal-regulated Kinase Signaling. Journal of Biological Chemistry, 2015, 290, 12463-12473.	1.6	17
35	Na,K-ATPase Î²1-subunit is a target of sonic hedgehog signaling and enhances medulloblastoma tumorigenicity. Molecular Cancer, 2015, 14, 159.	7.9	10
36	Ion dependence of Na-K-ATPase-mediated epithelial cell adhesion and migration. American Journal of Physiology - Cell Physiology, 2015, 309, C437-C441.	2.1	8

#	Article	IF	Citations
37	Abstract LB-213: Combination of epigenetic modifiers achieves complete remission in xenograft models of pediatric acute myeloid leukemia. , 2015, , .		1
38	Metformin suppresses pediatric acute myeloid leukemia cell viability and clonogenicity. Cancer & Metabolism, 2014, 2, .	2.4	1
39	Regulation of Na,K-ATPase Î²1-subunit in TGF-Î²2-mediated epithelial-to-mesenchymal transition in human retinal pigmented epithelial cells. Experimental Eye Research, 2013, 115, 113-122.	1.2	25
40	Dexamethasone-Loaded Block Copolymer Nanoparticles Induce Leukemia Cell Death and Enhance Therapeutic Efficacy: A Novel Application in Pediatric Nanomedicine. Molecular Pharmaceutics, 2013, 10, 2199-2210.	2.3	63
41	Na,K-ATPase Î²-subunit cis homo-oligomerization is necessary for epithelial lumen formation in mammalian cells. Journal of Cell Science, 2012, 125, 5711-5720.	1.2	10
42	Dysfunction of ouabain-induced cardiac contractility in mice with heart-specific ablation of Na,K-ATPase Î²1-subunit. Journal of Molecular and Cellular Cardiology, 2009, 47, 552-560.	0.9	22
43	Na-K-ATPase regulates tight junction permeability through occludin phosphorylation in pancreatic epithelial cells. American Journal of Physiology - Renal Physiology, 2007, 292, G124-G133.	1.6	58
44	Janus Model of The Na,K-ATPase Î²-Subunit Transmembrane Domain: Distinct Faces Mediate Î±/Î² Assembly and Î²-Î² Homo-oligomerization. Journal of Molecular Biology, 2007, 365, 706-714.	2.0	46
45	Preferential association of prostate cancer cells expressing prostate specific membrane antigen to bone marrow matrix. International Journal of Oncology, 2007, 30, 899-904.	1.4	7
46	Novel Role for Na,K-ATPase in Phosphatidylinositol 3-Kinase Signaling and Suppression of Cell Motility. Molecular Biology of the Cell, 2005, 16, 1082-1094.	0.9	136
47	Multiple Functions of Na,K-ATPase in Epithelial Cells. Seminars in Nephrology, 2005, 25, 328-334.	0.6	66
48	Induction of chitinase activity by exogenous cytokinins in excised dark-grown cucumber cotyledons: involvement of Ca2+ and staurosporine-sensitive protein kinase(s) in cytokinin signaling. Journal of Plant Physiology, 2001, 158, 1-7.	1.6	8
49	The requirements for Ca2+, protein phosphorylation and concurrent protein synthesis for zeatin signaling of acidic chitinase transcript accumulation in Cucumis sativus L.. Journal of Plant Physiology, 2001, 158, 1117-1123.	1.6	1