John M Ashton

List of Publications by Year
in descending order

48 papers	2,106 citations	430874 18 h-index	265206 42 g-index
48 all docs	48 docs citations	48 times ranked	3845 citing authors

#	Article	IF	Citations
1	Leukemic Stem Cells Evade Chemotherapy by Metabolic Adaptation to an Adipose Tissue Niche. Cell Stem Cell, 2016, 19, 23-37.	11.1	397
2	Monocytic Subclones Confer Resistance to Venetoclax-Based Therapy in Patients with Acute Myeloid Leukemia. Cancer Discovery, 2020, 10, 536-551.	9.4	252
3	AMPK/FIS1-Mediated Mitophagy Is Required for Self-Renewal of Human AML Stem Cells. Cell Stem Cell, 2018, 23, 86-100.e6.	11.1	189
4	Evolution of acute myelogenous leukemia stem cell properties after treatment and progression. Blood, 2016, 128, 1671-1678.	1.4	179
5	Targeting the gut microbiome to treat the osteoarthritis of obesity. JCI Insight, 2018, 3, .	5.0	166
6	Targeting Aberrant Glutathione Metabolism to Eradicate Human Acute Myelogenous Leukemia Cells. Journal of Biological Chemistry, 2013, 288, 33542-33558.	3.4	163
7	Aged marrow macrophages expand platelet-biased hematopoietic stem cells via interleukin-1B. JCI Insight, 2019, 4, .	5.0	82
8	Tudor-SNâ€“mediated endonucleolytic decay of human cell microRNAs promotes G ₁ /S phase transition. Science, 2017, 356, 859-862.	12.6	77
9	The Hematopoietic Oxidase NOX2 Regulates Self-Renewal of Leukemic Stem Cells. Cell Reports, 2019, 27, 238-254.e6.	6.4	65
10	Gene Sets Identified with Oncogene Cooperativity Analysis Regulate InÂVivo Growth and Survival of Leukemia Stem Cells. Cell Stem Cell, 2012, 11, 359-372.	11.1	59
11	ARID1A, a SWI/SNF subunit, is critical to acinar cell homeostasis and regeneration and is a barrier to transformation and epithelial-mesenchymal transition in the pancreas. Gut, 2019, 68, 1245-1258.	12.1	58
12	Scaffold-mediated CRISPR-Cas9 delivery system for acute myeloid leukemia therapy. Science Advances, 2021, 7, .	10.3	56
13	PU.1 enforces quiescence and limits hematopoietic stem cell expansion during inflammatory stress. Journal of Experimental Medicine, 2021, 218, .	8.5	49
14	Dissociation, cellular isolation, and initial molecular characterization of neonatal and pediatric human lung tissues. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L576-L583.	2.9	36
15	Pro-inflammatory cytokine blockade attenuates myeloid expansion in a murine model of rheumatoid arthritis. Haematologica, 2020, 105, 585-597.	3.5	32
16	Cell type-resolved human lung lipidome reveals cellular cooperation in lung function. Scientific Reports, 2018, 8, 13455.	3.3	31
17	Decellularized Wharton jelly matrix: a biomimetic scaffold for ex vivo hematopoietic stem cell culture. Blood Advances, 2019, 3, 1011-1026.	5.2	23
18	Coordination of endothelial cell positioning and fate specification by the epicardium. Nature Communications, 2021, 12, 4155.	12.8	22

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19	A novel in vitro model of primary human pediatric lung epithelial cells. Pediatric Research, 2020, 87, 511-517.	2.3	21
20	Developmental alcohol exposure impairs synaptic plasticity without overtly altering microglial function in mouse visual cortex. Brain, Behavior, and Immunity, 2018, 67, 257-278.	4.1	20
21	Platelet olfactory receptor activation limits platelet reactivity and growth of aortic aneurysms. Journal of Clinical Investigation, 2022, 132, .	8.2	18
22	Targeted therapy for a subset of acute myeloid leukemias that lack expression of aldehyde dehydrogenase 1A1. Haematologica, 2017, 102, 1054-1065.	3.5	16
23	Prevention of Fibrosis and Pathological Cardiac Remodeling by Salinomycin. Circulation Research, 2021, 128, 1663-1678.	4.5	16
24	A Review of the Scientific Rigor, Reproducibility, and Transparency Studies Conducted by the ABRF Research Groups. Journal of Biomolecular Techniques, 2020, 31, 11-26.	1.5	15
25	Characterizing Neonatal Heart Maturation, Regeneration, and Scar Resolution Using Spatial Transcriptomics. Journal of Cardiovascular Development and Disease, 2022, 9, 1.	1.6	12
26	Index case of acute myeloid leukemia in a family harboring a novel CEBPA germ line mutation. Blood Advances, 2017, 1, 500-503.	5.2	9
27	Altered TGFB1 regulated pathways promote accelerated tendon healing in the superhealer MRL/MpJ mouse. Scientific Reports, 2022, 12, 3026.	3.3	7
28	A Novel Xenograft Model of Cytogenetically Normal Acute Myeloid Leukemia Harboring RUNX1 and ASXL1 Mutations Demonstrates Residual Disease after Anthracycline/Cytarabine-Based Chemotherapy. Blood, 2014, 124, 9-9.	1.4	5
29	Comparative Analysis of Single-Cell RNA Sequencing Platforms and Methods. Journal of Biomolecular Techniques, 2021, 32, 3fc1f5fe.3eccea01.	1.5	5
30	Identification and Characterization of Cellular Heterogeneity within Human Late Developmental Stage Dissociated Lung by CITEâ€Seq. FASEB Journal, 2019, 33, 847.5.	0.5	4
31	Synergistically Regulated Genes and Pathways in Leukemias Induced by Co-Expression of BCR-ABL and Nup98-HoxA9.. Blood, 2009, 114, 3473-3473.	1.4	4
32	Functional Inhibition of Osteoblastic Cells in An In Vivo Mouse Model of Myeloid Leukemia. Blood, 2011, 118, 243-243.	1.4	3
33	Identification of a Vitamin-D Receptor Antagonist, MeTC7, which Inhibits the Growth of Xenograft and Transgenic Tumors In Vivo. Journal of Medicinal Chemistry, 2022, 65, 6039-6055.	6.4	3
34	Developmental Plasticity of Acute Myeloid Leukemia Mediates Resistance to Venetoclax-Based Therapy. Blood, 2019, 134, 185-185.	1.4	2
35	Interleukin-1/Toll-like Receptor Inhibition Can Restore the Disrupted Bone Marrow Microenvironment in Mouse Model of Myelodysplastic Syndromes. Blood, 2021, 138, 1510-1510.	1.4	2
36	Residual Disease in a Novel Xenograft Model of RUNX1-Mutated, Cytogenetically Normal Acute Myeloid Leukemia. PLoS ONE, 2015, 10, e0132375.	2.5	1

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37	Rheumatoid Arthritis Causes Hematopoietic Stem Cell Reprogramming to Maintain Functionality. Blood, 2018, 132, 2573-2573.	1.4	1
38	Reciprocal Synergistic Interactions of Leukemic Cells with Osteoclast Progenitors in the Bone Microenvironment. Blood, 2008, 112, 322-322.	1.4	1
39	A Role for IL1RAP in Acute Myelogenous Leukemia Stem Cells Following Treatment and Progression. Blood, 2015, 126, 4266-4266.	1.4	1
40	Distinct Properties of Leukemia Stem Cells in Primary Refractory Acute Myeloid Leukemia. Blood, 2015, 126, 685-685.	1.4	1
41	Adipose Tissue Functions As a Reservoir for Leukemia Stem Cells and Confers Chemo-Resistance. Blood, 2015, 126, 845-845.	1.4	1
42	Leukemia Cells Resident in Adipose Tissue Display a Pro-Inflammatory Phenotype and Induce Lipolysis and Atrophy of Adipose Tissue. Blood, 2015, 126, 2765-2765.	1.4	1
43	A Specific Mesenchymal Stem and Progenitor Cell (MSPC) Subpopulation with a Multi-Potent Gene Signature Is Transcriptionally Altered in the Setting of Myelodysplastic Syndrome (MDS) in Primary Human Bone Marrow Aspirates. Blood, 2019, 134, 1708-1708.	1.4	1
44	Genes Dysregulated in a Murine Model of Leukemogenesis Comprise a Signature for Identification of Therapeutics in Humans.. Blood, 2008, 112, 3349-3349.	1.4	0
45	Microenvironmental Changes In An In Vivo Model of Myeloid Leukemia Negatively Regulate Osteoblastic Cells.. Blood, 2010, 116, 1219-1219.	1.4	0
46	Aging of Hematopoietic Stem Cells Is Driven By Regional Specialization of Marrow Macrophages. Blood, 2017, 130, 95-95.	1.4	0
47	Role of RasGRP3 in EPO/EPOR Signaling and Transmigration of Human Hematopoietic CD34+ Cells. Blood, 2018, 132, 4531-4531.	1.4	0
48	Dwjm-Adherence Induces Chemotherapy Resistance in Primary Acute Myeloid Leukemia By Altering Leukemia Cell Metabolism. Blood, 2018, 132, 3953-3953.	1.4	0