Stuart A Rushworth

List of Publications by Year
in descending order

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96 papers	3,492 citations	147801 31 h-index	144013 57 g-index
98 all docs	98 docs citations	98 times ranked	5167 citing authors

#	Article	IF	Citations
1	NADPH oxidase-2 derived superoxide drives mitochondrial transfer from bone marrow stromal cells to leukemic blasts. Blood, 2017, 130, 1649-1660.	1.4	242
2	Leukemic blasts program bone marrow adipocytes to generate a protumoral microenvironment. Blood, 2017, 129, 1320-1332.	1.4	226
3	The high Nrf2 expression in human acute myeloid leukemia is driven by NF-Î²B and underlies its chemo-resistance. Blood, 2012, 120, 5188-5198.	1.4	225
4	Lipopolysaccharide-Induced Expression of NAD(P)H:Quinone Oxidoreductase 1 and Heme Oxygenase-1 Protects against Excessive Inflammatory Responses in Human Monocytes. Journal of Immunology, 2008, 181, 6730-6737.	0.8	177
5	Lipopolysaccharide-Induced Heme Oxygenase-1 Expression in Human Monocytic Cells Is Mediated via Nrf2 and Protein Kinase C. Journal of Immunology, 2005, 175, 4408-4415.	0.8	171
6	Role of protein kinase C Î´ in curcumin-induced antioxidant response element-mediated gene expression in human monocytes. Biochemical and Biophysical Research Communications, 2006, 341, 1007-1016.	2.1	160
7	CD38-Driven Mitochondrial Trafficking Promotes Bioenergetic Plasticity in Multiple Myeloma. Cancer Research, 2019, 79, 2285-2297.	0.9	156
8	HO-1 underlies resistance of AML cells to TNF-induced apoptosis. Blood, 2008, 111, 3793-3801.	1.4	127
9	The bone marrow microenvironment â€“ Home of the leukemic blasts. Blood Reviews, 2017, 31, 277-286.	5.7	119
10	Î±-Lipoic Acidâ€“Induced Heme Oxygenase-1 Expression Is Mediated by Nuclear Factor Erythroid 2-Related Factor 2 and p38 Mitogen-Activated Protein Kinase in Human Monocytic Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 2100-2105.	2.4	113
11	Identification of Brutonâ€™s tyrosine kinase as a therapeutic target in acute myeloid leukemia. Blood, 2014, 123, 1229-1238.	1.4	101
12	BTK inhibitor ibrutinib is cytotoxic to myeloma and potently enhances bortezomib and lenalidomide activities through NF-Î²B. Cellular Signalling, 2013, 25, 106-112.	3.6	99
13	ROS-mediated PI3K activation drives mitochondrial transfer from stromal cells to hematopoietic stem cells in response to infection. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24610-24619.	7.1	82
14	High Basal Nuclear Levels of Nrf2 in Acute Myeloid Leukemia Reduces Sensitivity to Proteasome Inhibitors. Cancer Research, 2011, 71, 1999-2009.	0.9	81
15	Protection of acute myeloid leukaemia cells from apoptosis induced by front-line chemotherapeutics is mediated by haem oxygenase-1. Oncotarget, 2011, 2, 658-668.	1.8	67
16	Acute myeloid leukemia induces protumoral p16INK4a-driven senescence in the bone marrow microenvironment. Blood, 2019, 133, 446-456.	1.4	67
17	MIF-Induced Stromal PKCÎ²/IL8 Is Essential in Human Acute Myeloid Leukemia. Cancer Research, 2017, 77, 303-311.	0.9	66
18	NF-Î²Bâ€“Inhibited Acute Myeloid Leukemia Cells Are Rescued from Apoptosis by Heme Oxygenase-1 Induction. Cancer Research, 2010, 70, 2973-2983.	0.9	64

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19	Attenuation of dexamethasone-induced cell death in multiple myeloma is mediated by miR-125b expression. Cell Cycle, 2013, 12, 2144-2153.	2.6	64
20	TNF Mediates the Sustained Activation of Nrf2 in Human Monocytes. Journal of Immunology, 2011, 187, 702-707.	0.8	63
21	Ibrutinib inhibits SDF1/CXCR4 mediated migration in AML. Oncotarget, 2014, 5, 9930-9938.	1.8	63
22	Understanding the role of NRF2-regulated miRNAs in human malignancies. Oncotarget, 2013, 4, 1130-1142.	1.8	57
23	Oxidative Stress Responses and NRF2 in Human Leukaemia. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-7.	4.0	48
24	Ibrutinib inhibits BTK-driven NF-Î²B p65 activity to overcome bortezomib-resistance in multiple myeloma. Cell Cycle, 2015, 14, 2367-2375.	2.6	47
25	Epigallocatechin activates haem oxygenase-1 expression via protein kinase CÎ´ and Nrf2. Biochemical and Biophysical Research Communications, 2008, 373, 584-588.	2.1	46
26	Free fatty-acid transport via CD36 drives Î²-oxidation-mediated hematopoietic stem cell response to infection. Nature Communications, 2021, 12, 7130.	12.8	46
27	The Role of Nrf2 and Cytoprotection in Regulating Chemotherapy Resistance of Human Leukemia Cells. Cancers, 2011, 3, 1605-1621.	3.7	45
28	Bortezomib induces heme oxygenase-1 expression in multiple myeloma. Cell Cycle, 2012, 11, 2248-2252.	2.6	41
29	Mitochondrial oxidative phosphorylation in cutaneous melanoma. British Journal of Cancer, 2021, 124, 115-123.	6.4	39
30	Inflammatory Differences in Plaque Erosion and Rupture in Patients With STâ€Segment Elevation Myocardial Infarction. Journal of the American Heart Association, 2017, 6, .	3.7	36
31	Targeting BTK for the treatment of FLT3-ITD mutated acute myeloid leukemia. Scientific Reports, 2015, 5, 12949.	3.3	32
32	High NRF2 expression controls endoplasmic reticulum stress induced apoptosis in multiple myeloma. Cancer Letters, 2018, 412, 37-45.	7.2	32
33	The Role of PI3K Isoforms in Regulating Bone Marrow Microenvironment Signaling Focusing on Acute Myeloid Leukemia and Multiple Myeloma. Cancers, 2017, 9, 29.	3.7	31
34	FLIP regulation of HO-1 and TNF signalling in human acute myeloid leukemia provides a unique secondary anti-apoptotic mechanism. Oncotarget, 2010, 1, 359-366.	1.8	31
35	LC3-associated phagocytosis in bone marrow macrophages suppresses acute myeloid leukemia progression through STING activation. Journal of Clinical Investigation, 2022, 132, .	8.2	26
36	HIF1Î± drives chemokine factor pro-tumoral signaling pathways in acute myeloid leukemia. Oncogene, 2018, 37, 2676-2686.	5.9	25

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37	Targeting PI3KÎ´ and PI3KÎ³ signalling disrupts human AML survival and bone marrow stromal cell mediated protection. Oncotarget, 2016, 7, 39784-39795.	1.8	24
38	Molecular crosstalk between TRAIL and natural antioxidants in the treatment of cancer. British Journal of Pharmacology, 2009, 157, 1186-1188.	5.4	23
39	Bone Marrow Senescence and the Microenvironment of Hematological Malignancies. Frontiers in Oncology, 2020, 10, 230.	2.8	23
40	Activity of Bruton's tyrosine-kinase inhibitor ibrutinib in patients with CD117-positive acute myeloid leukaemia: a mechanistic study using patient-derived blast cells. Lancet Haematology,the, 2015, 2, e204-e211.	4.6	22
41	Daratumumab inhibits acute myeloid leukaemia metabolic capacity by blocking mitochondrial transfer from mesenchymal stromal cells. Haematologica, 2021, 106, 589-592.	3.5	21
42	Myeloma-derived macrophage inhibitory factor regulates bone marrow stromal cell-derived IL-6 via c-MYC. Journal of Hematology and Oncology, 2018, 11, 66.	17.0	19
43	PGC-1Î± driven mitochondrial biogenesis in stromal cells underpins mitochondrial trafficking to leukemic blasts. Leukemia, 2018, 32, 2073-2077.	7.2	17
44	HUMAN CD154 INDUCES ACTIVATION OF PORCINE ENDOTHELIAL CELLS AND UP-REGULATION OF MHC CLASS II EXPRESSION. Transplantation, 2001, 72, 127-132.	1.0	16
45	Micro RNAs as a new therapeutic target towards leukaemia signalling. Cellular Signalling, 2012, 24, 363-368.	3.6	16
46	FLIP regulation of HO-1 and TNF signalling in human acute myeloid leukemia provides a unique secondary anti-apoptotic mechanism. Oncotarget, 2010, 1, 359-66.	1.8	16
47	Metabolic Regulation of Macrophages by SIRT1 Determines Activation During Cholestatic Liver Disease in Mice. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 1019-1039.	4.5	14
48	Understanding the role of miRNA in regulating NF-ÎºB in blood cancer. American Journal of Cancer Research, 2012, 2, 65-74.	1.4	13
49	TNF signaling gets FLIPped off: TNF-induced regulation of FLIP. Cell Cycle, 2008, 7, 194-199.	2.6	12
50	Trypanocidal and cysteine protease inhibitory activity of isopentyl caffeate is not linked in Trypanosoma brucei. Parasitology Research, 2016, 115, 4397-4403.	1.6	12
51	Targeting the oncogenic role of miRNA in human cancer using naturally occurring compounds. British Journal of Pharmacology, 2011, 162, 346-348.	5.4	11
52	PGC-1Î± induced mitochondrial biogenesis in stromal cells underpins mitochondrial transfer to melanoma. British Journal of Cancer, 2022, 127, 69-78.	6.4	11
53	HIGH SEQUENCE HOMOLOGY BETWEEN HUMAN AND PIG CD40 WITH CONSERVED BINDING TO HUMAN CD154. Transplantation, 2000, 69, 936-940.	1.0	10
54	Daratumumab Inhibits AML Metabolic Capacity and Tumor Growth through Inhibition of CD38 Mediated Mitochondrial Transfer from Bone Marrow Stromal Cells to Blasts in the Leukemic Microenvironment. Blood, 2019, 134, 1385-1385.	1.4	9

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55	Acute Myeloid Leukaemia Drives Metabolic Changes in the Bone Marrow Niche. Frontiers in Oncology, 0, 12, .	2.8	9
56	A Novel Feed-Forward Loop Involving the High Mobility Group A1 (HMGA1) Chromatin Remodeling Protein and cMYC in Acute Myeloid Leukemia Is Targeted By JQ1. Blood, 2015, 126, 2466-2466.	1.4	8
57	Trypanosoma brucei: Inhibition of cathepsin L is sufficient to kill bloodstream forms. Molecular and Biochemical Parasitology, 2020, 235, 111246.	1.1	7
58	Modelling Metabolic Shifts during Cardiomyocyte Differentiation, Iron Deficiency and Transferrin Rescue Using Human Pluripotent Stem Cells. Metabolites, 2022, 12, 9.	2.9	7
59	Silencing FLIPL modifies TNF-induced apoptotic protein expression. Cell Cycle, 2011, 10, 1067-1072.	2.6	6
60	Front-line glioblastoma chemotherapeutic temozolomide is toxic to Trypanosoma brucei and potently enhances melarsoprol and eflornithine. Experimental Parasitology, 2017, 178, 45-50.	1.2	6
61	Effect of Bruton's tyrosine kinase inhibitors on platelet aggregation in patients with acute myocardial infarction. Thrombosis Research, 2019, 179, 64-68.	1.7	6
62	Synthesis of Carboxamideâ€€Containing Tranylcypromine Analogues as LSD1 (KDM1A) Inhibitors Targeting Acute Myeloid Leukemia. ChemMedChem, 2021, 16, 1316-1324.	3.2	5
63	Allosteric Site on SHIP2 Identified Through Fluorescent Ligand Screening and Crystallography: A Potential New Target for Intervention. Journal of Medicinal Chemistry, 2021, 64, 3813-3826.	6.4	5
64	Dual Activation of NRF2 in Multiple Myeloma and Bone Marrow Mesenchymal Stromal Cells Regulates Chemotherapy Resistance. Blood, 2016, 128, 3287-3287.	1.4	4
65	p16INK4A dependent senescence in the bone marrow niche drives age-related metabolic changes of hematopoietic progenitors. Blood Advances, 0, , .	5.2	4
66	Venetoclax and Daratumumab combination treatment demonstrates pre-clinical efficacy in mouse models of Acute Myeloid Leukemia. Biomarker Research, 2021, 9, 35.	6.8	3
67	Autophagy Driven Extracellular Vesicles in the Leukaemic Microenvironment. Current Cancer Drug Targets, 2020, 20, 501-512.	1.6	3
68	Targeting KEAP1/NRF2 pathway to manipulate the expression of oncogenic and oncosuppressive miRNAs in human leukemia. Molecular and Cellular Oncology, 2015, 5, 0-0.	0.7	2
69	Bone Marrow Mesenchymal Stromal Cells Transfer Their Mitochondria to Acute Myeloid Leukaemia Blasts to Support Their Proliferation and Survival. Blood, 2016, 128, 772-772.	1.4	2
70	Pulling the plug â€“ halting cancer's theft of mitochondria. Oncoscience, 2017, 4, 173-174.	2.2	2
71	Macrophage Migration Inhibitory Factor Drives Multiple Myeloma IL-6/8 Pro-Survival Signals in the Tumor Microenvironment. Blood, 2015, 126, 2988-2988.	1.4	1
72	Mitochondria and the Tumour Microenvironment in Blood Cancer. Advances in Experimental Medicine and Biology, 2021, 1329, 181-203.	1.6	1

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73	NRF2 Signaling Promotes Survival and Drug Resistance Of Acute Myeloid Leukaemia Through Induction Of Mir-125b-1. Blood, 2013, 122, 3741-3741.	1.4	1
74	High Mobility Group A1 (HMGA1) Chromatin Remodeling Protein Mediates Crosstalk Between Acute Myeloid Leukemia Blasts & the Tumor Microenvironment. Blood, 2014, 124, 3564-3564.	1.4	1
75	Hypoxia Drives AML Proliferation in the Bone Marrow Microenvironment Via Macrophage Inhibitory Factor. Blood, 2016, 128, 1721-1721.	1.4	1
76	Acute Myeloid Leukemia Export Mitochondria in Extracellular Vesicles Which Induces Pro-Tumoral Changes in Bone Marrow Macrophages. Blood, 2019, 134, 1427-1427.	1.4	1
77	Free Fatty Acid Uptake By Hematopoietic Stem and Progenitor Cells Drives Immune Cell Expansion in Response to Salmonella Typhimurium infection. Blood, 2019, 134, 1197-1197.	1.4	1
78	Enhanced Free Fatty Acid Uptake Via CD36 Promotes a Metabolic Switch to B-Oxidation within Hematopoietic Stem Cells in Response to Acute Infection. Blood, 2020, 136, 39-40.	1.4	1
79	Understanding life and death decisions in human leukaemias. Biochemical Society Transactions, 2014, 42, 747-751.	3.4	0
80	The BTK Inhibitor Ibrutinib Blocks SDF1/CXCR4 Mediated Migration of Acute Myeloid Leukemia Cells. Blood, 2014, 124, 915-915.	1.4	0
81	FABP4 Regulates Fatty Acid Transfer from Bone Marrow Adipocytes to Acute Myeloid Leukemia Blasts. Blood, 2015, 126, 3065-3065.	1.4	0
82	Protein Kinase C-ÃŸ Dependent IL-8 Release Promotes Acute Myeloid Leukemia Blast Cell Survival in Co-Cultures with Bone Marrow Stromal Cells. Blood, 2015, 126, 3064-3064.	1.4	0
83	All-Trans Retinoic Acid (ATRA) up-Regulates Cell Surface CD38 Expression Which Promotes Pro-Tumoral Mitochondrial Trafficking from Stromal Cells to Multiple Myeloma. Blood, 2018, 132, 3153-3153.	1.4	0
84	Stressed Hematopoiesis Induces Mitochondrial Trafficking to Hematopoietic Stem Cells. Blood, 2018, 132, 3849-3849.	1.4	0
85	NOX2 Derived Superoxide Induces Pro-Tumoral p16INK4a Driven Senescence in the AML Bone Marrow Microenvironment. Blood, 2018, 132, 2770-2770.	1.4	0
86	Myeloma Derived Extracellular Vesicles Containing Endoplasmic Reticulum Remodel the Bone Marrow Microenvironment Towards a Pro-Tumoral Senescent Phenotype. Blood, 2019, 134, 689-689.	1.4	0
87	Diffuse Large B Cell Lymphoma (DLBCL)-Released NM23-H1 Promotes Monocyte Survival and Inflammatory Cytokine Release: A Mechanistic Link between the Dual Impacts of NM23-H1 Expression and Reduced Lymphocyte:Monocyte Ratio in DLBCL Prognosis. Blood, 2019, 134, 2803-2803.	1.4	0
88	Superoxide Drives PI3 Kinase Mediated Mitochondria Transfer from the Bone Marrow Microenvironment to Hematopoietic Stem Cells in Response to Salmonella Typhimurium. Blood, 2019, 134, 2490-2490.	1.4	0
89	ARQ531: the therapy that targets multiple pathways in acute myeloid leukemia. Haematologica, 2020, 105, 2350-2352.	3.5	0
90	BCL-Xl Driven Accumulation of Dysfunctional Mitochondria in Aged Stromal Cells Impairs the Haematopoietic Stem Cell Response to Stress. Blood, 2021, 138, 1097-1097.	1.4	0

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91	Multiple Myeloma Derived Mitochondrial Damps Induce Inflammation in the Bone Marrow Adipose Tissue Which Promotes Tumour Development. Blood, 2021, 138, 2654-2654.	1.4	0
92	LC3-Associated Phagocytosis in Bone Marrow Macrophages Suppresses AML Progression through Mitochondrial DAMP Induced Sting Activation. Blood, 2021, 138, 3441-3441.	1.4	0
93	Mitochondrial Function Is Impaired in a Subset of Aged Haematopoietic Stem Cells in Response to Infection. Blood, 2020, 136, 27-28.	1.4	0
94	Investigating the Dual Targeting of BCL-2 and CD38 in Models of Acute Myeloid Leukemia. Blood, 2020, 136, 10-10.	1.4	0
95	Myeloma Derived Mitochondrial Damage Associated Molecular Patterns Promote Pro-Tumoral Expansion By Inducing a Pro-Inflammatory Signature in the Bone Marrow Microenvironment. Blood, 2020, 136, 1-1.	1.4	0
96	3098 â€“ SINGLE-CELL ANALYSIS OF ALTERNATIVE SPLICING IN HEMATOPOIETIC STEM AND PROGENITOR CELLS. Experimental Hematology, 2021, 100, S89.	0.4	0