Martin Bttcher

List of Publications by Citations

43 papers	1,533 citations	17 h-index	39 g-index
50 ext. papers	2,143 ext. citations	8.4 avg, IF	4.22 L-index

#	Paper	IF	Citations
43	The EMT-activator Zeb1 is a key factor for cell plasticity and promotes metastasis in pancreatic cancer. *Nature Cell Biology*, **2017**, 19, 518-529	23.4	513
42	Short-chain fatty acids regulate systemic bone mass and protect from pathological bone loss. *Nature Communications*, **2018**, 9, 55	17.4	210
41	Increased thioredoxin-1 production in human naturally occurring regulatory T cells confers enhanced tolerance to oxidative stress. *Blood*, **2011**, 117, 857-61	2.2	103
40	Sclerostin inhibition promotes TNF-dependent inflammatory joint destruction. *Science Translational Medicine*, **2016**, 8, 330ra35	17.5	89
39	Reversibility of symptoms in a conditional mouse model of spinocerebellar ataxia type 3. *Human Molecular Genetics*, **2009**, 18, 4282-95	5.6	85
38	The PD-1/PD-L1 axis contributes to immune metabolic dysfunctions of monocytes in chronic lymphocytic leukemia. *Leukemia*, **2017**, 31, 470-478	10.7	53
37	D-2-hydroxyglutarate interferes with HIF-1α stability skewing T-cell metabolism towards oxidative phosphorylation and impairing Th17 polarization. *OncoImmunology*, **2018**, 7, e1445454	7.2	52
36	Polyol Pathway Links Glucose Metabolism to the Aggressiveness of Cancer Cells. *Cancer Research*, **2018**, 78, 1604-1618	10.1	49
35	IL-10 mediates plasmacytosis-associated immunodeficiency by inhibiting complement-mediated neutrophil migration. *Journal of Allergy and Clinical Immunology*, **2016**, 137, 1487-1497.e6	11.5	46
34	CLL-cell-mediated MDSC induction by exosomal miR-155 transfer is disrupted by vitamin D. *Leukemia*, **2017**, 31, 985-988	10.7	40
33	IL-21 modulates memory and exhaustion phenotype of T-cells in a fatty acid oxidation-dependent manner. *Oncotarget*, **2018**, 9, 13125-13138	3.3	30
32	The complement system drives local inflammatory tissue priming by metabolic reprogramming of synovial fibroblasts. *Immunity*, **2021**, 54, 1002-1021.e10	32.3	28
31	Inflammation-induced glycolytic switch controls suppressivity of mesenchymal stem cells via STAT1 glycosylation. *Leukemia*, **2019**, 33, 1783-1796	10.7	25
30	Interleukin-17A is involved in mechanical hyperalgesia but not in the severity of murine antigen-induced arthritis. *Scientific Reports*, **2017**, 7, 10334	4.9	25
29	Mesenchymal Stromal Cells Disrupt mTOR-Signaling and Aerobic Glycolysis During T-Cell Activation. *Stem Cells*, **2016**, 34, 516-21	5.8	25
28	In mammalian skeletal muscle, phosphorylation of TOMM22 by protein kinase CSNK2/CK2 controls mitophagy. *Autophagy*, **2018**, 14, 311-335	10.2	24
27	Lenalidomide enhances MOR202-dependent macrophage-mediated effector functions via the vitamin D pathway. *Leukemia*, **2018**, 32, 2445-2458	10.7	23

26	Selective PRMT5 Inhibitors Suppress Human CD8 T Cells by Upregulation of p53 and Impairment of the AKT Pathway Similar to the Tumor Metabolite MTA. *Molecular Cancer Therapeutics*, **2020**, 19, 409-419	6.1	14
25	IL-33-induced metabolic reprogramming controls the differentiation of alternatively activated macrophages and the resolution of inflammation. *Immunity*, **2021**, 54, 2531-2546.e5	32.3	11
24	PPAR□mediated mitochondrial rewiring of osteoblasts determines bone mass. *Scientific Reports*, **2020**, 10, 8428	4.9	10
23	Subthreshold IKK activation modulates the effector functions of primary mast cells and allows specific targeting of transformed mast cells. *Oncotarget*, **2015**, 6, 5354-68	3.3	9
22	B Cell Speed and B-FDC Contacts in Germinal Centers Determine Plasma Cell Output via Swiprosin-1/EFhd2. *Cell Reports*, **2020**, 32, 108030	10.6	9
21	Energy metabolism is co-determined by genetic variants in chronic lymphocytic leukemia and influences drug sensitivity. *Haematologica*, **2019**, 104, 1830-1840	6.6	8
20	Palmitoylated Proteins on AML-Derived Extracellular Vesicles Promote Myeloid-Derived Suppressor Cell Differentiation via TLR2/Akt/mTOR Signaling. *Cancer Research*, **2020**, 80, 3663-3676	10.1	8
19	The IKZF1-IRF4/IRF5 Axis Controls Polarization of Myeloma-Associated Macrophages. *Cancer Immunology Research*, **2021**, 9, 265-278	12.5	8
18	□microglobulin triggers NLRP3 inflammasome activation in tumor-associated macrophages to promote multiple myeloma progression. *Immunity*, **2021**, 54, 1772-1787.e9	32.3	8
17	Metabolic reprogramming of osteoclasts represents a therapeutic target during the treatment of osteoporosis. *Scientific Reports*, **2020**, 10, 21020	4.9	5
16	Impact of Nrf2 expression in reconstituting T-cells of allogeneic hematopoietic stem cell transplanted patients. *Leukemia*, **2021**, 35, 910-915	10.7	4
15	Linking Immunoevasion and Metabolic Reprogramming in B-Cell-Derived Lymphomas. *Frontiers in Oncology*, **2020**, 10, 594782	5.3	3
14	Multi-omics reveals clinically relevant proliferative drive associated with mTOR-MYC-OXPHOS activity in chronic lymphocytic leukemia. *Nature Cancer*, **2021**, 2, 853-864	15.4	2
13	the IKZF1-IRF4 Axis Regulates Macrophage Polarization and Macrophage-Mediated Anti-Tumor Immunity. *Blood*, **2016**, 128, 2514-2514	2.2	1
12	Exploitable metabolic dependencies in MLL-ENL-induced leukemia. *Blood Advances*, **2020**, 4, 3626-3638	7.8	1
11	Control of PD-L1 expression in CLL-cells by stromal triggering of the Notch-c-Myc-EZH2 oncogenic signaling axis **2021**, 9,		1
10	A novel immunoregulatory function of beta-2-microglobulin as a promoter of myeloid derived suppressor cell induction. *Leukemia*, **2019**, 33, 1282-1287	10.7	1
9	Tim-3 is dispensable for allergic inflammation and respiratory tolerance in experimental asthma. *PLoS ONE*, **2021**, 16, e0249605	3.7	0

8	Anticancer Aminoferrocene Derivatives Inducing Production of Mitochondrial Reactive Oxygen Species.. *Chemistry - A European Journal*, **2022**, e202104420	4.8	0
7	A10.14 Inhibition of sclerostin accelerates TNF□mediated bone destruction. *Annals of the Rheumatic Diseases*, **2016**, 75, A78.1-A78	2.4	
6	A2.17 Synoviocytes Change Phenotype and Function after Treg-Depletion in Arthritic Mice. *Annals of the Rheumatic Diseases*, **2013**, 72, A10.2-A10	2.4	
5	Stroma Cells Promote a S100A8/A9high-Subset of AML Blasts with Distinct Metabolic Features in a Jak/STAT3-Dependent Manner. *Blood*, **2018**, 132, 2807-2807	2.2	
4	Microenvironmental Triggers Induce a Chemoresistant, Differentiated Subset of S100A8/A9high AML Cells Via the Jak/STAT3 Signaling Axis. *Blood*, **2019**, 134, 2714-2714	2.2	
3	□-m - a Trigger for NLRP3 Inflammasome Activation within Macrophages Promoting Multiple Myeloma Cell Proliferation. *Blood*, **2019**, 134, 2314-2314	2.2	
2	Vitamin D Blocks CLL Cell-Mediated MDSC Induction. *Blood*, **2016**, 128, 4355-4355	2.2	
1	Genetic Knock-out of TNFR1 and TNFR2 in a JAK2-V617F Polycythemia Vera Mouse Model.. *HemaSphere*, **2022**, 6, e717	0.3	