Judith Staerk

List of Publications by Year
in descending order

32 papers	6,123 citations	304743 22 h-index	477307 29 g-index
36 all docs	36 docs citations	36 times ranked	7408 citing authors

#	Article	IF	Citations
1	A unique clonal JAK2 mutation leading to constitutive signalling causes polycythaemia vera. Nature, 2005, 434, 1144-1148.	27.8	3,221
2	A drug-inducible transgenic system for direct reprogramming of multiple somatic cell types. Nature Biotechnology, 2008, 26, 916-924.	17.5	395
3	Reprogramming of Human Peripheral Blood Cells to Induced Pluripotent Stem Cells. Cell Stem Cell, 2010, 7, 20-24.	11.1	377
4	Reprogramming of murine fibroblasts to induced pluripotent stem cells with chemical complementation of Klf4. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8912-8917.	7.1	363
5	Metastable Pluripotent States in NOD-Mouse-Derived ESCs. Cell Stem Cell, 2009, 4, 513-524.	11.1	318
6	Active and Inactive Orientations of the Transmembrane and Cytosolic Domains of the Erythropoietin Receptor Dimer. Molecular Cell, 2003, 12, 1239-1250.	9.7	193
7	JAK1 and Tyk2 Activation by the Homologous Polycythemia Vera JAK2 V617F Mutation. Journal of Biological Chemistry, 2005, 280, 41893-41899.	3.4	151
8	Janus Kinases Affect Thrombopoietin Receptor Cell Surface Localization and Stability. Journal of Biological Chemistry, 2005, 280, 27251-27261.	3.4	147
9	An amphipathic motif at the transmembrane-cytoplasmic junction prevents autonomous activation of the thrombopoietin receptor. Blood, 2006, 107, 1864-1871.	1.4	137
10	The kinase PERK and the transcription factor ATF4 play distinct and essential roles in autophagy resulting from tunicamycin-induced ER stress. Journal of Biological Chemistry, 2019, 294, 8197-8217.	3.4	113
11	The myeloproliferative disorderâ€“associated JAK2 V617F mutant escapes negative regulation by suppressor of cytokine signaling 3. Blood, 2007, 109, 4924-4929.	1.4	112
12	Orientation-specific signalling by thrombopoietin receptor dimers. EMBO Journal, 2011, 30, 4398-4413.	7.8	83
13	Induction of myeloproliferative disorder and myelofibrosis by thrombopoietin receptor W515 mutants is mediated by cytosolic tyrosine 112 of the receptor. Blood, 2010, 115, 1037-1048.	1.4	68
14	Acute Lymphoblastic Leukemia-associated JAK1 Mutants Activate the Janus Kinase/STAT Pathway via Interleukin-9 Receptor Î± Homodimers. Journal of Biological Chemistry, 2009, 284, 6773-6781.	3.4	63
15	Substitution of Pseudokinase Domain Residue Val-617 by Large Non-polar Amino Acids Causes Activation of JAK2. Journal of Biological Chemistry, 2008, 283, 12941-12948.	3.4	59
16	Thrombopoietin receptor down-modulation by JAK2 V617F: restoration of receptor levels by inhibitors of pathologic JAK2 signaling and of proteasomes. Blood, 2012, 119, 4625-4635.	1.4	49
17	Panâ€Src Family Kinase Inhibitors Replace Sox2 during the Direct Reprogramming of Somatic Cells. Angewandte Chemie - International Edition, 2011, 50, 5734-5736.	13.8	48
18	The ubiquitin-mediated degradation of Jak1 modulates osteoclastogenesis by limiting interferon-Î²â€“induced inhibitory signaling. Blood, 2008, 111, 885-893.	1.4	39

#	Article	IF	Citations
19	The JAK-STAT pathway and hematopoietic stem cells from the JAK2 V617F perspective. Jak-stat, 2012, 1, 184-190.	2.2	39
20	His499 Regulates Dimerization and Prevents Oncogenic Activation by Asparagine Mutations of the Human Thrombopoietin Receptor. Journal of Biological Chemistry, 2016, 291, 2974-2987.	3.4	29
21	Targeted Metabolic Profiling of Methionine Cycle Metabolites and Redox Thiol Pools in Mammalian Plasma, Cells and Urine. Metabolites, 2019, 9, 235.	2.9	26
22	JAK2, theÂJAK2 V617F mutant andÂcytokine receptors. Pathologie Et Biologie, 2007, 55, 88-91.	2.2	23
23	Optic Atrophy 1 Controls Human Neuronal Development by Preventing Aberrant Nuclear DNA Methylation. IScience, 2020, 23, 101154.	4.1	20
24	Changes of 5-hydroxymethylcytosine distribution during myeloid and lymphoid differentiation of CD34+ cells. Epigenetics and Chromatin, 2016, 9, 21.	3.9	19
25	Rapid genome editing by CRISPR-Cas9-POLD3 fusion. ELife, 2021, 10, .	6.0	11
26	DNMT3B deficiency alters mitochondrial biogenesis and Î±-ketoglutarate levels in human embryonic stem cells. Stem Cells, 2020, 38, 1409-1422.	3.2	9
27	Cytokinesis arrest and multiple centrosomes in B cell chronic lymphocytic leukaemia. Journal of Cellular and Molecular Medicine, 2018, 22, 2846-2855.	3.6	3
28	Modern Ways of Obtaining Stem Cells. , 2019, , 17-36.		3
29	Metastable Pluripotent States in NOD-Mouse-Derived ESCs. Cell Stem Cell, 2009, 5, 124.	11.1	2
30	Transdifferentiationâ€"Changing Cell Identity. , 2019, , 37-56.		1
31	Metastable Pluripotent States in NOD-Mouse-Derived ESCs. Cell Stem Cell, 2015, 16, 566-568.	11.1	0
32	Optic Atrophy 1 Controls Human Neuronal Development by Preventing Aberrant Nuclear DNA Methylation. SSRN Electronic Journal, 0, , .	0.4	0