Edurne Berra

List of Publications by Year
in descending order

45 papers	7,919 citations	117625 34 h-index	223800 46 g-index
48 all docs	48 docs citations	48 times ranked	9384 citing authors

#	Article	IF	Citations
1	HIF prolyl-hydroxylase 2 is the key oxygen sensor setting low steady-state levels of HIF-1Â in normoxia. EMBO Journal, 2003, 22, 4082-4090.	7.8	1,159
2	p42/p44 Mitogen-activated Protein Kinases Phosphorylate Hypoxia-inducible Factor 1Î± (HIF-1Î±) and Enhance the Transcriptional Activity of HIF-1. Journal of Biological Chemistry, 1999, 274, 32631-32637.	3.4	718
3	Prolyl hydroxylase-1 negatively regulates IÂB kinase-beta, giving insight into hypoxia-induced NFÂB activity. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18154-18159.	7.1	687
4	JunD Reduces Tumor Angiogenesis by Protecting Cells from Oxidative Stress. Cell, 2004, 118, 781-794.	28.9	530
5	Nonhypoxic Pathway Mediates the Induction of Hypoxia-inducible Factor 1Î± in Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 2000, 275, 26765-26771.	3.4	471
6	Protein kinase C Î¶ isoform is critical for mitogenic signal transduction. Cell, 1993, 74, 555-563.	28.9	393
7	Angiogenesis: How a Tumor Adapts to Hypoxia. Biochemical and Biophysical Research Communications, 1999, 266, 718-722.	2.1	331
8	Magnetic field triggered drug release from polymersomes for cancer therapeutics. Journal of Controlled Release, 2013, 169, 165-170.	9.9	267
9	The Activation of p38 and Apoptosis by the Inhibition of Erk Is Antagonized by the Phosphoinositide 3-Kinase/Akt Pathway. Journal of Biological Chemistry, 1998, 273, 10792-10797.	3.4	235
10	Hypoxia-inducible Factor 1 Transactivates the Human Leptin Gene Promoter. Journal of Biological Chemistry, 2002, 277, 42953-42957.	3.4	232
11	PHDs overactivation during chronic hypoxia â€œdesensitizesâ€•HIFÎ± and protects cells from necrosis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4745-4750.	7.1	210
12	MAP kinases and hypoxia in the control of VEGF expression. Cancer and Metastasis Reviews, 2000, 19, 139-145.	5.9	204
13	HIFâ€1Î± and CA IX staining in invasive breast carcinomas: Prognosis and treatment outcome. International Journal of Cancer, 2007, 120, 1451-1458.	5.1	202
14	Signaling angiogenesis via p42/p44 MAP kinase and hypoxia. Biochemical Pharmacology, 2000, 60, 1171-1178.	4.4	184
15	The hypoxiaâ€inducibleâ€factor hydroxylases bring fresh air into hypoxia signalling. EMBO Reports, 2006, 7, 41-45.	4.5	170
16	Stress-activated Protein Kinases (JNK and p38/HOG) Are Essential for Vascular Endothelial Growth Factor mRNA Stability. Journal of Biological Chemistry, 2000, 275, 26484-26491.	3.4	166
17	Hypoxia-inducible factor 1Î± is a new target of microphthalmia-associated transcription factor (MITF) in melanoma cells. Journal of Cell Biology, 2005, 170, 49-59.	5.2	155
18	Hypoxiaâ€inducible factorâ€1Î± (HIFâ€1Î±) escapes O 2 â€driven proteasomal degradation irrespective of its subcellular localization: nucleus or cytoplasm. EMBO Reports, 2001, 2, 615-620.	4.5	147

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19	HIF-1: master and commander of the hypoxic world. Biochemical Pharmacology, 2004, 68, 971-980.	4.4	134
20	HIF-1-dependent transcriptional activity is required for oxygen-mediated HIF-1Î± degradation. FEBS Letters, 2001, 491, 85-90.	2.8	125
21	Signaling Angiogenesis via p42/p44 MAP Kinase Cascade. Annals of the New York Academy of Sciences, 2000, 902, 187-200.	3.8	119
22	Destabilization of vascular endothelial growth factor mRNA by the zinc-finger protein TIS11b. Oncogene, 2004, 23, 8673-8680.	5.9	113
23	Identification of Alternative Spliced Variants of Human Hypoxia-inducible Factor-1Î±. Journal of Biological Chemistry, 2000, 275, 6922-6927.	3.4	88
24	Hypoxia: the tumor's gateway to progression along the angiogenic pathway. Trends in Cell Biology, 2001, 11, S32-S36.	7.9	88
25	Hypoxia: the tumor's gateway to progression along the angiogenic pathway. Trends in Cell Biology, 2001, 11, S32-S36.	7.9	75
26	Inhibition of Prolyl Hydroxylase Domain Proteins Promotes Therapeutic Revascularization. Circulation, 2009, 120, 50-59.	1.6	73
27	HIF-1Î± mediates the induction of IL-8 and VEGF expression on infection with Afa/Dr diffusely adheringE. coliand promotes EMT-like behaviour. Cellular Microbiology, 2010, 12, 640-653.	2.1	67
28	Poly(A)-binding Protein-interacting Protein 2, a Strong Regulator of Vascular Endothelial Growth Factor mRNA. Journal of Biological Chemistry, 2004, 279, 34217-34226.	3.4	65
29	The gene encoding human retinoic acid-receptor-related orphan receptor Î± is a target for hypoxia-inducible factor 1. Biochemical Journal, 2004, 384, 79-85.	3.7	62
30	SUMOylation regulates LKB1 localization and its oncogenic activity in liver cancer. EBioMedicine, 2019, 40, 406-421.	6.1	56
31	HIF1 transcription factor regulates laminin-332 expression and keratinocyte migration. Journal of Cell Science, 2008, 121, 2992-3001.	2.0	49
32	Distinct breast cancer stem/progenitor cell populations require either HIF1Î± or loss of PHD3 to expand under hypoxic conditions. Oncotarget, 2015, 6, 31721-31739.	1.8	46
33	Hypoxia compromises the mitochondrial metabolism of Alzheimerâ€™s disease microglia via HIF1. Nature Aging, 2021, 1, 385-399.	11.6	43
34	Extended Ischemia Prevents HIF1Î± Degradation at Reoxygenation by Impairing Prolyl-hydroxylation. Journal of Biological Chemistry, 2010, 285, 18217-18224.	3.4	42
35	The hypoxia signalling pathway in haematological malignancies. Oncotarget, 2017, 8, 36832-36844.	1.8	37
36	Prolyl Hydroxylase-dependent Modulation of Eukaryotic Elongation Factor 2 Activity and Protein Translation under Acute Hypoxia. Journal of Biological Chemistry, 2012, 287, 9651-9658.	3.4	30

#	Article	IF	Citations
37	Deciphering the emerging role of SUMO conjugation in the hypoxia-signaling cascade. Biological Chemistry, 2013, 394, 459-469.	2.5	29
38	Hypoxia reduces cell attachment of SARS-CoV-2 spike protein by modulating the expression of ACE2, neuropilin-1, syndecan-1 and cellular heparan sulfate. Emerging Microbes and Infections, 2021, 10, 1065-1076.	6.5	24
39	HIF-1Î± inhibitor PX-478 preserves pancreatic Î² cell function in diabetes. Science Translational Medicine, 2022, 14, eaba9112.	12.4	20
40	Altered Stra13 and Dec2 circadian gene expression in hypoxic cells. Biochemical and Biophysical Research Communications, 2008, 369, 1184-1189.	2.1	18
41	PHD3-SUMO conjugation optimizes HIF1 repression independently of PHD3 catalytic activity. Journal of Cell Science, 2015, 128, 40-9.	2.0	18
42	DUBs, New Members in the Hypoxia Signaling clUb. Frontiers in Oncology, 2016, 6, 53.	2.8	17
43	Borrelia burgdorferi infection induces long-term memory-like responses in macrophages with tissue-wide consequences in the heart. PLoS Biology, 2021, 19, e3001062.	5.6	7
44	Enzyme-Linked Immunosorbent Assay for Pharmacological Studies Targeting Hypoxia-Inducible Factor 1Î±. Vaccine Journal, 2005, 12, 660-664.	3.1	3
45	The Silencing Approach of the Hypoxiaâ€Signaling Pathway. Methods in Enzymology, 2007, 435, 107-121.	1.0	2