Helen J Knowles

List of Publications by Year
in descending order

32	1,686	279798 23	434195 31
papers	citations	h-index	g-index

34	34	34	2608
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of ascorbate on the activity of hypoxia-inducible factor in cancer cells. Cancer Research, 2003, 63, 1764-8.	0.9	273
2	Novel Mechanism of Action for Hydralazine. Circulation Research, 2004, 95, 162-169.	4.5	125
3	Acute hypoxia and osteoclast activity: a balance between enhanced resorption and increased apoptosis. Journal of Pathology, 2009, 218, 256-264.	4.5	100
4	Hypoxia and oxidative stress in breast cancer Hypoxia and tumourigenesis. Breast Cancer Research, 2001, 3, 318-22.	5.0	92
5	Niacin induces PPARÎ³ expression and transcriptional activation in macrophages via HM74 and HM74a-mediated induction of prostaglandin synthesis pathways. Biochemical Pharmacology, 2006, 71, 646-656.	4.4	89
6	Hypoxia-inducible factor regulates osteoclast-mediated bone resorption: role of angiopoietin-like 4. FASEB Journal, 2010, 24, 4648-4659.	0.5	89
7	Hypoxic regulation of osteoclast differentiation and bone resorption activity. Hypoxia (Auckland, N Z) Tj ETQq1 1 0.784314 rgBT /Ove	1.9	86
8	Normoxic Stabilization of Hypoxia-Inducible Factor-1Î± by Modulation of the Labile Iron Pool in Differentiating U937 Macrophages: Effect of Natural Resistanceâ€“Associated Macrophage Protein 1. Cancer Research, 2006, 66, 2600-2607.	0.9	84
9	Differential regulation of <scp>HIF</scp>â€mediated pathways increases mitochondrial metabolism and <scp>ATP</scp> production in hypoxic osteoclasts. Journal of Pathology, 2013, 229, 755-764.	4.5	70
10	Macrophages and the hypoxic tumour microenvironment. Frontiers in Bioscience - Landmark, 2007, 12, 4298.	3.0	63
11	Hypoxiaâ€inducible factor 1â€alpha does not regulate osteoclastogenesis but enhances bone resorption activity via prolylâ€4â€hydroxylase 2. Journal of Pathology, 2017, 242, 322-333.	4.5	53
12	Macrophage Infiltration and Angiogenesis in Human Malignancy. Novartis Foundation Symposium, 2008, , 189-204.	1.1	51
13	BRAF/MAPK and GSK3 signaling converges to control MITF nuclear export. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8668-E8677.	7.1	50
14	Hypoxia and hypoglycaemia in Ewing's sarcoma and osteosarcoma: regulation and phenotypic effects of Hypoxia-Inducible Factor. BMC Cancer, 2010, 10, 372.	2.6	49
15	Transcriptomic profiling of the myeloma bone-lining niche reveals BMP signalling inhibition to improve bone disease. Nature Communications, 2019, 10, 4533.	12.8	46
16	VEGF, FLT3 ligand, PlGF and HGF can substitute for M-CSF to induce human osteoclast formation: implications for giant cell tumour pathobiology. Laboratory Investigation, 2012, 92, 1398-1406.	3.7	40
17	The CXCR4-CXCL12 axis in Ewing sarcoma: promotion of tumor growth rather than metastatic disease. Clinical Sarcoma Research, 2012, 2, 24.	2.3	40
18	Ewing sarcoma cells express RANKL and support osteoclastogenesis. Journal of Pathology, 2011, 225, 195-202.	4.5	35

#	Article	IF	Citations
19	Angiopoietin-Like 4 Is Over-Expressed in Rheumatoid Arthritis Patients: Association with Pathological Bone Resorption. PLoS ONE, 2014, 9, e109524.	2.5	32
20	KRAS p.G13D mutations are associated with sensitivity to anti-EGFR antibody treatment in colorectal cancer cell lines. Journal of Cancer Research and Clinical Oncology, 2013, 139, 201-209.	2.5	31
21	Angiopoietin-like 4 promotes osteosarcoma cell proliferation and migration and stimulates osteoclastogenesis. BMC Cancer, 2018, 18, 536.	2.6	28
22	Macrophage infiltration and angiogenesis in human malignancy. Novartis Foundation Symposium, 2004, 256, 189-200; discussion 200-4, 259-69.	1.1	28
23	Hypoxia-Induced Fibroblast Growth Factor 11 Stimulates Osteoclast-Mediated Resorption of Bone. Calcified Tissue International, 2017, 100, 382-391.	3.1	23
24	Epidermal growth factor receptor signalling contributes to osteoblastic stromal cell proliferation, osteoclastogenesis and disease progression in giant cell tumour of bone. Histopathology, 2011, 59, 376-389.	2.9	20
25	Multiple Roles of Angiopoietin-Like 4 in Osteolytic Disease. Frontiers in Endocrinology, 2017, 8, 80.	3.5	20
26	Distinct roles for the hypoxia-inducible transcription factors HIF-1Î± and HIF-2Î± in human osteoclast formation and function. Scientific Reports, 2020, 10, 21072.	3.3	16
27	CD14â˜ mononuclear stromal cells support (CD14+) monocyteâ€“osteoclast differentiation in aneurysmal bone cyst. Laboratory Investigation, 2012, 92, 600-605.	3.7	15
28	Osteoblastâ€“Osteoclast Coculture Amplifies Inhibitory Effects of <scp>FG</scp>â€4592 on Human Osteoclastogenesis and Reduces Bone Resorption. JBMR Plus, 2020, 4, e10370.	2.7	13
29	The Adenosine A2B Receptor Drives Osteoclast-Mediated Bone Resorption in Hypoxic Microenvironments. Cells, 2019, 8, 624.	4.1	12
30	Hypoxiaâ€inducible factor regulates osteoclastâ€mediated bone resorption: role of angiopoietinâ€like 4. FASEB Journal, 2010, 24, 4648-4659.	0.5	5
31	Loss of mutual protection between human osteoclasts and chondrocytes in damaged joints initiates osteoclast-mediated cartilage degradation by MMPs. Scientific Reports, 2021, 11, 22708.	3.3	5
32	Hypoxia-inducible factor (HIF)â€“mediated effects of the hypoxic niche in bone cancer. , 2022, , 321-335.		1