Ester M Hammond

List of Publications by Year in Descending Order

102 papers	9,227 citations	38 h-index	96 g-index
117 ext. papers	10,610 ext. citations	7.4 avg, IF	5.54 L-index

#	Paper	IF	Citations
102	DNA-structured mathematical model of cell-cycle progression in cyclic hypoxia.. *Journal of Theoretical Biology*, **2022**, 111104	2.3	0
101	SPINK1 as a plasma marker for tumor hypoxia and a therapeutic target for radiosensitization. *JCI Insight*, **2021**, 6,	9.9	2
100	Links between the unfolded protein response and the DNA damage response in hypoxia: a systematic review. *Biochemical Society Transactions*, **2021**, 49, 1251-1263	5.1	9
99	Selective modulation by PARP-1 of HIF-1 recruitment to chromatin during hypoxia is required for tumor adaptation to hypoxic conditions. *Redox Biology*, **2021**, 41, 101885	11.3	11
98	Hypoxia-induced SETX links replication stress with the unfolded protein response. *Nature Communications*, **2021**, 12, 3686	17.4	6
97	Hypoxia inducible factors regulate hepatitis B virus replication by activating the basal core promoter. *Journal of Hepatology*, **2021**, 75, 64-73	13.4	10
96	Controlling Intramolecular Interactions in the Design of Selective, High-Affinity Ligands for the CREBBP Bromodomain. *Journal of Medicinal Chemistry*, **2021**, 64, 10102-10123	8.3	6
95	Replication catastrophe induced by cyclic hypoxia leads to increased APOBEC3B activity. *Nucleic Acids Research*, **2021**, 49, 7492-7506	20.1	4
94	Zap-Pano: a Photocaged Prodrug of the KDAC Inhibitor Panobinostat. *ChemMedChem*, **2021**,	3.7	3
93	Development and pre-clinical testing of a novel hypoxia-activated KDAC inhibitor. *Cell Chemical Biology*, **2021**, 28, 1258-1270.e13	8.2	10
92	AKT inhibition as a strategy for targeting hypoxic HPV-positive HNSCC. *Radiotherapy and Oncology*, **2020**, 149, 1-7	5.3	4
91	A New Assay to Measure Intestinal Crypt Survival after Irradiation: Challenges and Opportunities. *Cancer Research*, **2020**, 80, 927-928	10.1	0
90	Hypoxia-activated pro-drugs of the KDAC inhibitor vorinostat (SAHA). *Tetrahedron*, **2020**, 76, 131170	2.4	9
89	Cyclic Hypoxia: An Update on Its Characteristics, Methods to Measure It and Biological Implications in Cancer. *Cancers*, **2020**, 13,	6.6	16
88	Pharmacological Inhibition of ATR Can Block Autophagy through an ATR-Independent Mechanism. *IScience*, **2020**, 23, 101668	6.1	2
87	Targeting Tumor Hypoxia. *Cancer Drug Discovery and Development*, **2020**, 265-299	0.3	
86	Anticancer Imidazoacridinone C-1311 is Effective in Androgen-Dependent and Androgen-Independent Prostate Cancer Cells. *Biomedicines*, **2020**, 8,	4.8	2

85	Ultra-High Dose Rate (FLASH) Radiotherapy: Silver Bullet or Fools Gold?. *Frontiers in Oncology*, **2019**, 9, 1563	5.3	132
84	HPV, hypoxia and radiation response in head and neck cancer. *British Journal of Radiology*, **2019**, 92, 20180047	3.4	24
83	Inhibition of CDK4/CDK6 Enhances Radiosensitivity of HPV Negative Head and Neck Squamous Cell Carcinomas. *International Journal of Radiation Oncology Biology Physics*, **2019**, 105, 548-558	4	28
82	Challenges to DNA replication in hypoxic conditions. *FEBS Journal*, **2018**, 285, 1563-1571	5.7	24
81	WSB-1 regulates the metastatic potential of hormone receptor negative breast cancer. *British Journal of Cancer*, **2018**, 118, 1229-1237	8.7	11
80	Radiosensitization by Histone Deacetylase Inhibition with No Increase in Early Normal Tissue Radiation Toxicity. *Molecular Cancer Therapeutics*, **2018**, 17, 381-392	6.1	23
79	Hypoxia-Activated, Small-Molecule-Induced Gene Expression. *ACS Chemical Biology*, **2018**, 13, 3354-3360	4.9	7
78	BET bromodomain ligands: Probing the WPF shelf to improve BRD4 bromodomain affinity and metabolic stability. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 2937-2957	3.4	12
77	Replication Stress Drives Constitutive Activation of the DNA Damage Response and Radioresistance in Glioblastoma Stem-like Cells. *Cancer Research*, **2018**, 78, 5060-5071	10.1	75
76	Ribonucleotide Reductase Requires Subunit Switching in Hypoxia to Maintain DNA Replication. *Molecular Cell*, **2017**, 66, 206-220.e9	17.6	49
75	CYP450 Enzymes Effect Oxygen-Dependent Reduction of Azide-Based Fluorogenic Dyes. *ACS Central Science*, **2017**, 3, 20-30	16.8	33
74	KDM4A regulates HIF-1 levels through H3K9me3. *Scientific Reports*, **2017**, 7, 11094	4.9	22
73	UCHL1-HIF-1 axis-mediated antioxidant property of cancer cells as a therapeutic target for radiosensitization. *Scientific Reports*, **2017**, 7, 6879	4.9	37
72	Clinical Advances of Hypoxia-Activated Prodrugs in Combination With Radiation Therapy. *International Journal of Radiation Oncology Biology Physics*, **2017**, 98, 1183-1196	4	81
71	RRM2B: An oxygen-requiring protein with a role in hypoxia. *Molecular and Cellular Oncology*, **2017**, 4, e1335272	1.2	4
70	The imidazoacridinone C-1311 induces p53-dependent senescence or p53-independent apoptosis and sensitizes cancer cells to radiation. *Oncotarget*, **2017**, 8, 31187-31198	3.3	5
69	The anti-malarial atovaquone increases radiosensitivity by alleviating tumour hypoxia. *Nature Communications*, **2016**, 7, 12308	17.4	122
68	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838

67	Design, synthesis and evaluation of molecularly targeted hypoxia-activated prodrugs. *Nature Protocols*, **2016**, 11, 781-94	18.8	51
66	Uncovering the influence of the FGFR1 pathway on glioblastoma radiosensitivity. *Annals of Translational Medicine*, **2016**, 4, 538	3.2	2
65	LY6E: a conductor of malignant tumor growth through modulation of the PTEN/PI3K/Akt/HIF-1 axis. *Oncotarget*, **2016**, 7, 65837-65848	3.3	26
64	Isolation of Proteins on Nascent DNA in Hypoxia and Reoxygenation Conditions. *Advances in Experimental Medicine and Biology*, **2016**, 899, 27-40	3.6	1
63	Measuring DNA Replication in Hypoxic Conditions. *Advances in Experimental Medicine and Biology*, **2016**, 899, 11-25	3.6	6
62	Mechanisms and consequences of ATMIN repression in hypoxic conditions: roles for p53 and HIF-1. *Scientific Reports*, **2016**, 6, 21698	4.9	16
61	Preclinical testing of an Atr inhibitor demonstrates improved response to standard therapies for esophageal cancer. *Radiotherapy and Oncology*, **2016**, 121, 232-238	5.3	29
60	Hypoxia Potentiates the Radiation-Sensitizing Effect of Olaparib in Human Non-Small Cell Lung Cancer Xenografts by Contextual Synthetic Lethality. *International Journal of Radiation Oncology Biology Physics*, **2016**, 95, 772-81	4	34
59	Efficient synthesis of 2-nitroimidazole derivatives and the bioreductive clinical candidate Evofosfamide (TH-302). *Organic Chemistry Frontiers*, **2015**, 2, 1026-1029	5.2	18
58	Targeting Tumour Hypoxia with PARP Inhibitors: Contextual Synthetic Lethality. *Cancer Drug Discovery and Development*, **2015**, 345-361	0.3	
57	In Vitro Radiosensitization of Esophageal Cancer Cells with the Aminopeptidase Inhibitor CHR-2797. *Radiation Research*, **2015**, 184, 259-65	3.1	5
56	Epigenetic Therapy for Solid Tumors: Highlighting the Impact of Tumor Hypoxia. *Genes*, **2015**, 6, 935-56	4.2	37
55	UCHL1 provides diagnostic and antimetastatic strategies due to its deubiquitinating effect on HIF-1. *Nature Communications*, **2015**, 6, 6153	17.4	128
54	Hypoxia-induced p53 modulates both apoptosis and radiosensitivity via AKT. *Journal of Clinical Investigation*, **2015**, 125, 2385-98	15.9	80
53	Tumor microenvironment and cellular stress: signaling, metabolism, imaging, and therapeutic targets. Preface. *Advances in Experimental Medicine and Biology*, **2014**, 772, v-viii	3.6	22
52	RASSF1A-LATS1 signalling stabilizes replication forks by restricting CDK2-mediated phosphorylation of BRCA2. *Nature Cell Biology*, **2014**, 16, 962-71, 1-8	23.4	56
51	HIF-1 independent hypoxia-induced rapid PTK6 stabilization is associated with increased motility and invasion. *Cancer Biology and Therapy*, **2014**, 15, 1350-7	4.6	12
50	WIP1 and senescence: oxygen matters. *Cell Cycle*, **2014**, 13, 1062	4.7	1

49	ATM activation in hypoxia - causes and consequences. *Molecular and Cellular Oncology*, **2014**, 1, e29903	1.2	14
48	Targeting ATR in DNA damage response and cancer therapeutics. *Cancer Treatment Reviews*, **2014**, 40, 109-17	14.4	124
47	Radiation and ATM inhibition: the heart of the matter. *Journal of Clinical Investigation*, **2014**, 124, 3289-91	15.9	14
46	The role of the HIF-1 transcription factor in increased cell division at physiological oxygen tensions. *PLoS ONE*, **2014**, 9, e97938	3.7	16
45	Hypoxia and the DNA Damage Response. *Cancer Drug Discovery and Development*, **2014**, 21-41	0.3	1
44	Replication stress and chromatin context link ATM activation to a role in DNA replication. *Molecular Cell*, **2013**, 52, 758-66	17.6	83
43	CH-01 is a hypoxia-activated prodrug that sensitizes cells to hypoxia/reoxygenation through inhibition of Chk1 and Aurora A. *ACS Chemical Biology*, **2013**, 8, 1451-9	4.9	50
42	Optimization of 3,5-dimethylisoxazole derivatives as potent bromodomain ligands. *Journal of Medicinal Chemistry*, **2013**, 56, 3217-27	8.3	106
41	Impact of Wee1 inhibition on the hypoxia-induced DNA damage response **2013**, 1,		2
40	Use of the xCELLigence system for real-time analysis of changes in cellular motility and adhesion in physiological conditions. *Methods in Molecular Biology*, **2013**, 1046, 295-306	1.4	34
39	Radiosensitization of renal cell carcinoma in vitro through the induction of autophagy. *Radiotherapy and Oncology*, **2012**, 103, 388-93	5.3	29
38	A novel method for autophagy detection in primary cells: impaired levels of macroautophagy in immunosenescent T cells. *Autophagy*, **2012**, 8, 677-89	10.2	115
37	Targeting ATR in vivo using the novel inhibitor VE-822 results in selective sensitization of pancreatic tumors to radiation. *Cell Death and Disease*, **2012**, 3, e441	9.8	242
36	Targeting radiation-resistant hypoxic tumour cells through ATR inhibition. *British Journal of Cancer*, **2012**, 107, 291-9	8.7	122
35	Human AlkB homologue 5 is a nuclear 2-oxoglutarate dependent oxygenase and a direct target of hypoxia-inducible factor 1 (HIF-1). *PLoS ONE*, **2011**, 6, e16210	3.7	92
34	Hypoxia and Modulation of Cellular Radiation Response **2011**, 127-141		2
33	Regulation of autophagy by ATF4 in response to severe hypoxia. *Oncogene*, **2010**, 29, 4424-35	9.2	266
32	Effects of acute versus chronic hypoxia on DNA damage responses and genomic instability. *Cancer Research*, **2010**, 70, 925-35	10.1	142

31	Contextual synthetic lethality of cancer cell kill based on the tumor microenvironment. *Cancer Research*, **2010**, 70, 8045-54	10.1	176
30	Targeting hypoxic cells through the DNA damage response. *Clinical Cancer Research*, **2010**, 16, 5624-9	12.9	81
29	Exposure to acute hypoxia induces a transient DNA damage response which includes Chk1 and TLK1. *Cell Cycle*, **2010**, 9, 2502-7	4.7	21
28	Dna Damage and Repair **2010**, 31-39		
27	ATM activation and signaling under hypoxic conditions. *Molecular and Cellular Biology*, **2009**, 29, 526-37	4.8	165
26	Bringing H2AX into the angiogenesis family. *Cancer Cell*, **2009**, 15, 459-61	24.3	16
25	Oxygen sensing and the DNA-damage response. *Current Opinion in Cell Biology*, **2007**, 19, 680-4	9	41
24	Checking in on hypoxia/reoxygenation. *Cell Cycle*, **2006**, 5, 1304-7	4.7	24
23	Genome-wide analysis of p53 under hypoxic conditions. *Molecular and Cellular Biology*, **2006**, 26, 3492-504	4.8	72
22	Functional analysis of p53 binding under differential stresses. *Molecular and Cellular Biology*, **2006**, 26, 7030-45	4.8	57
21	DNA damage during reoxygenation elicits a Chk2-dependent checkpoint response. *Molecular and Cellular Biology*, **2006**, 26, 1598-609	4.8	55
20	The roles of Chk 1 and Chk 2 in hypoxia and reoxygenation. *Cancer Letters*, **2006**, 238, 161-7	9.9	23
19	Hypoxia-inducible factor-1 and p53: friends, acquaintances, or strangers?. *Clinical Cancer Research*, **2006**, 12, 5007-9	12.9	32
18	The role of p53 in hypoxia-induced apoptosis. *Biochemical and Biophysical Research Communications* , **2005**, 331, 718-25	3.4	152
17	The p53QS transactivation-deficient mutant shows stress-specific apoptotic activity and induces embryonic lethality. *Nature Genetics*, **2005**, 37, 145-52	36.3	114
16	XBP1 is essential for survival under hypoxic conditions and is required for tumor growth. *Cancer Research*, **2004**, 64, 5943-7	10.1	423
15	Inhibition of ATR leads to increased sensitivity to hypoxia/reoxygenation. *Cancer Research*, **2004**, 64, 6556-62	10.1	90
14	The role of ATM and ATR in the cellular response to hypoxia and re-oxygenation. *DNA Repair*, **2004**, 3, 1117-22	4.3	66

13	Hypoxia actively represses transcription by inducing negative cofactor 2 (Dr1/DrAP1) and blocking preinitiation complex assembly. *Journal of Biological Chemistry*, **2003**, 278, 5744-9	5.4	39
12	Comparison of hypoxia-induced replication arrest with hydroxyurea and aphidicolin-induced arrest. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2003**, 532, 205-13	3.3	69
11	ATR/ATM targets are phosphorylated by ATR in response to hypoxia and ATM in response to reoxygenation. *Journal of Biological Chemistry*, **2003**, 278, 12207-13	5.4	216
10	Antiangiogenic therapy and p53. *Science*, **2002**, 297, 471; discussion 471	33.3	15
9	Hypoxia links ATR and p53 through replication arrest. *Molecular and Cellular Biology*, **2002**, 22, 1834-43	4.8	248
8	Temporal and spatial expression of two isoforms of the Dutt1/Robo1 gene in mouse development. *FEBS Letters*, **2002**, 523, 12-6	3.8	32
7	Regulation of p53 by hypoxia: dissociation of transcriptional repression and apoptosis from p53-dependent transactivation. *Molecular and Cellular Biology*, **2001**, 21, 1297-310	4.8	301
6	Homology between a human apoptosis specific protein and the product of APG5, a gene involved in autophagy in yeast. *FEBS Letters*, **1998**, 425, 391-5	3.8	64
5	Specific cleavage of gamma catenin by caspases during apoptosis. *FEBS Letters*, **1998**, 433, 51-7	3.8	21
4	Apoptosis-specific protein (ASP) identified in apoptotic Xenopus thymus tumor cells. *Autoimmunity*, **1998**, 5, 333-48		
3	Hypoxia in Cancer777-798		
2	Controlling Intramolecular Interactions in the Design of Selective, High-Affinity, Ligands for the CREBBP Bromodomain		3
1	Hypoxia and the DNA Damage Response207-228		