

# Ester M Hammond

## List of Publications by Citations

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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	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
101	XBP1 is essential for survival under hypoxic conditions and is required for tumor growth. <i>Cancer Research</i> , <b>2004</b> , 64, 5943-7	10.1	423
100	Regulation of p53 by hypoxia: dissociation of transcriptional repression and apoptosis from p53-dependent transactivation. <i>Molecular and Cellular Biology</i> , <b>2001</b> , 21, 1297-310	4.8	301
99	Regulation of autophagy by ATF4 in response to severe hypoxia. <i>Oncogene</i> , <b>2010</b> , 29, 4424-35	9.2	266
98	Hypoxia links ATR and p53 through replication arrest. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 1834-43	4.8	248
97	Targeting ATR in vivo using the novel inhibitor VE-822 results in selective sensitization of pancreatic tumors to radiation. <i>Cell Death and Disease</i> , <b>2012</b> , 3, e441	9.8	242
96	ATR/ATM targets are phosphorylated by ATR in response to hypoxia and ATM in response to reoxygenation. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 12207-13	5.4	216
95	Contextual synthetic lethality of cancer cell kill based on the tumor microenvironment. <i>Cancer Research</i> , <b>2010</b> , 70, 8045-54	10.1	176
94	ATM activation and signaling under hypoxic conditions. <i>Molecular and Cellular Biology</i> , <b>2009</b> , 29, 526-37	4.8	165
93	The role of p53 in hypoxia-induced apoptosis. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 331, 718-25	3.4	152
92	Effects of acute versus chronic hypoxia on DNA damage responses and genomic instability. <i>Cancer Research</i> , <b>2010</b> , 70, 925-35	10.1	142
91	Ultra-High Dose Rate (FLASH) Radiotherapy: Silver Bullet or Fool's Gold?. <i>Frontiers in Oncology</i> , <b>2019</b> , 9, 1563	5.3	132
90	UCL1 provides diagnostic and antimetastatic strategies due to its deubiquitinating effect on HIF-1. <i>Nature Communications</i> , <b>2015</b> , 6, 6153	17.4	128
89	Targeting ATR in DNA damage response and cancer therapeutics. <i>Cancer Treatment Reviews</i> , <b>2014</b> , 40, 109-17	14.4	124
88	The anti-malarial atovaquone increases radiosensitivity by alleviating tumour hypoxia. <i>Nature Communications</i> , <b>2016</b> , 7, 12308	17.4	122
87	Targeting radiation-resistant hypoxic tumour cells through ATR inhibition. <i>British Journal of Cancer</i> , <b>2012</b> , 107, 291-9	8.7	122
86	A novel method for autophagy detection in primary cells: impaired levels of macroautophagy in immunosenescent T cells. <i>Autophagy</i> , <b>2012</b> , 8, 677-89	10.2	115

85	The p53QS transactivation-deficient mutant shows stress-specific apoptotic activity and induces embryonic lethality. <i>Nature Genetics</i> , <b>2005</b> , 37, 145-52	36.3	114
84	Optimization of 3,5-dimethylisoxazole derivatives as potent bromodomain ligands. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 3217-27	8.3	106
83	Human AlkB homologue 5 is a nuclear 2-oxoglutarate dependent oxygenase and a direct target of hypoxia-inducible factor 1[HIF-1] <i>PLoS ONE</i> , <b>2011</b> , 6, e16210	3.7	92
82	Inhibition of ATR leads to increased sensitivity to hypoxia/reoxygenation. <i>Cancer Research</i> , <b>2004</b> , 64, 6556-62	10.1	90
81	Replication stress and chromatin context link ATM activation to a role in DNA replication. <i>Molecular Cell</i> , <b>2013</b> , 52, 758-66	17.6	83
80	Clinical Advances of Hypoxia-Activated Prodrugs in Combination With Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2017</b> , 98, 1183-1196	4	81
79	Targeting hypoxic cells through the DNA damage response. <i>Clinical Cancer Research</i> , <b>2010</b> , 16, 5624-9	12.9	81
78	Hypoxia-induced p53 modulates both apoptosis and radiosensitivity via AKT. <i>Journal of Clinical Investigation</i> , <b>2015</b> , 125, 2385-98	15.9	80
77	Replication Stress Drives Constitutive Activation of the DNA Damage Response and Radioresistance in Glioblastoma Stem-like Cells. <i>Cancer Research</i> , <b>2018</b> , 78, 5060-5071	10.1	75
76	Genome-wide analysis of p53 under hypoxic conditions. <i>Molecular and Cellular Biology</i> , <b>2006</b> , 26, 3492-5048	4.8	72
75	Comparison of hypoxia-induced replication arrest with hydroxyurea and aphidicolin-induced arrest. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2003</b> , 532, 205-13	3.3	69
74	The role of ATM and ATR in the cellular response to hypoxia and re-oxygenation. <i>DNA Repair</i> , <b>2004</b> , 3, 1117-22	4.3	66
73	Homology between a human apoptosis specific protein and the product of APG5, a gene involved in autophagy in yeast. <i>FEBS Letters</i> , <b>1998</b> , 425, 391-5	3.8	64
72	Functional analysis of p53 binding under differential stresses. <i>Molecular and Cellular Biology</i> , <b>2006</b> , 26, 7030-45	4.8	57
71	RASSF1A-LATS1 signalling stabilizes replication forks by restricting CDK2-mediated phosphorylation of BRCA2. <i>Nature Cell Biology</i> , <b>2014</b> , 16, 962-71, 1-8	23.4	56
70	DNA damage during reoxygenation elicits a Chk2-dependent checkpoint response. <i>Molecular and Cellular Biology</i> , <b>2006</b> , 26, 1598-609	4.8	55
69	Design, synthesis and evaluation of molecularly targeted hypoxia-activated prodrugs. <i>Nature Protocols</i> , <b>2016</b> , 11, 781-94	18.8	51
68	CH-01 is a hypoxia-activated prodrug that sensitizes cells to hypoxia/reoxygenation through inhibition of Chk1 and Aurora A. <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 1451-9	4.9	50

67	Ribonucleotide Reductase Requires Subunit Switching in Hypoxia to Maintain DNA Replication. <i>Molecular Cell</i> , <b>2017</b> , 66, 206-220.e9	17.6	49
66	Oxygen sensing and the DNA-damage response. <i>Current Opinion in Cell Biology</i> , <b>2007</b> , 19, 680-4	9	41
65	Hypoxia actively represses transcription by inducing negative cofactor 2 (Dr1/DrAP1) and blocking preinitiation complex assembly. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 5744-9	5-4	39
64	UCHL1-HIF-1 axis-mediated antioxidant property of cancer cells as a therapeutic target for radiosensitization. <i>Scientific Reports</i> , <b>2017</b> , 7, 6879	4-9	37
63	Epigenetic Therapy for Solid Tumors: Highlighting the Impact of Tumor Hypoxia. <i>Genes</i> , <b>2015</b> , 6, 935-56	4-2	37
62	Use of the xCELLigence system for real-time analysis of changes in cellular motility and adhesion in physiological conditions. <i>Methods in Molecular Biology</i> , <b>2013</b> , 1046, 295-306	1-4	34
61	Hypoxia Potentiates the Radiation-Sensitizing Effect of Olaparib in Human Non-Small Cell Lung Cancer Xenografts by Contextual Synthetic Lethality. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2016</b> , 95, 772-81	4	34
60	CYP450 Enzymes Effect Oxygen-Dependent Reduction of Azide-Based Fluorogenic Dyes. <i>ACS Central Science</i> , <b>2017</b> , 3, 20-30	16.8	33
59	Hypoxia-inducible factor-1 and p53: friends, acquaintances, or strangers?. <i>Clinical Cancer Research</i> , <b>2006</b> , 12, 5007-9	12.9	32
58	Temporal and spatial expression of two isoforms of the Dutt1/Robo1 gene in mouse development. <i>FEBS Letters</i> , <b>2002</b> , 523, 12-6	3.8	32
57	Radiosensitization of renal cell carcinoma in vitro through the induction of autophagy. <i>Radiotherapy and Oncology</i> , <b>2012</b> , 103, 388-93	5-3	29
56	Preclinical testing of an Atr inhibitor demonstrates improved response to standard therapies for esophageal cancer. <i>Radiotherapy and Oncology</i> , <b>2016</b> , 121, 232-238	5-3	29
55	Inhibition of CDK4/CDK6 Enhances Radiosensitivity of HPV Negative Head and Neck Squamous Cell Carcinomas. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2019</b> , 105, 548-558	4	28
54	LY6E: a conductor of malignant tumor growth through modulation of the PTEN/PI3K/Akt/HIF-1 axis. <i>Oncotarget</i> , <b>2016</b> , 7, 65837-65848	3-3	26
53	Challenges to DNA replication in hypoxic conditions. <i>FEBS Journal</i> , <b>2018</b> , 285, 1563-1571	5-7	24
52	HPV, hypoxia and radiation response in head and neck cancer. <i>British Journal of Radiology</i> , <b>2019</b> , 92, 20180047	5-7	24
51	Checking in on hypoxia/reoxygenation. <i>Cell Cycle</i> , <b>2006</b> , 5, 1304-7	4-7	24
50	Radiosensitization by Histone Deacetylase Inhibition with No Increase in Early Normal Tissue Radiation Toxicity. <i>Molecular Cancer Therapeutics</i> , <b>2018</b> , 17, 381-392	6-1	23

49	The roles of Chk 1 and Chk 2 in hypoxia and reoxygenation. <i>Cancer Letters</i> , <b>2006</b> , 238, 161-7	9.9	23
48	Tumor microenvironment and cellular stress: signaling, metabolism, imaging, and therapeutic targets. Preface. <i>Advances in Experimental Medicine and Biology</i> , <b>2014</b> , 772, v-viii	3.6	22
47	KDM4A regulates HIF-1 levels through H3K9me3. <i>Scientific Reports</i> , <b>2017</b> , 7, 11094	4.9	22
46	Exposure to acute hypoxia induces a transient DNA damage response which includes Chk1 and TLK1. <i>Cell Cycle</i> , <b>2010</b> , 9, 2502-7	4.7	21
45	Specific cleavage of gamma catenin by caspases during apoptosis. <i>FEBS Letters</i> , <b>1998</b> , 433, 51-7	3.8	21
44	Efficient synthesis of 2-nitroimidazole derivatives and the bioreductive clinical candidate Evofosfamide (TH-302). <i>Organic Chemistry Frontiers</i> , <b>2015</b> , 2, 1026-1029	5.2	18
43	Bringing H2AX into the angiogenesis family. <i>Cancer Cell</i> , <b>2009</b> , 15, 459-61	24.3	16
42	The role of the HIF-1 transcription factor in increased cell division at physiological oxygen tensions. <i>PLoS ONE</i> , <b>2014</b> , 9, e97938	3.7	16
41	Cyclic Hypoxia: An Update on Its Characteristics, Methods to Measure It and Biological Implications in Cancer. <i>Cancers</i> , <b>2020</b> , 13,	6.6	16
40	Mechanisms and consequences of ATMIN repression in hypoxic conditions: roles for p53 and HIF-1. <i>Scientific Reports</i> , <b>2016</b> , 6, 21698	4.9	16
39	Antiangiogenic therapy and p53. <i>Science</i> , <b>2002</b> , 297, 471; discussion 471	33.3	15
38	ATM activation in hypoxia - causes and consequences. <i>Molecular and Cellular Oncology</i> , <b>2014</b> , 1, e29903	1.2	14
37	Radiation and ATM inhibition: the heart of the matter. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 3289-91	15.9	14
36	HIF-1 independent hypoxia-induced rapid PTK6 stabilization is associated with increased motility and invasion. <i>Cancer Biology and Therapy</i> , <b>2014</b> , 15, 1350-7	4.6	12
35	BET bromodomain ligands: Probing the WPF shelf to improve BRD4 bromodomain affinity and metabolic stability. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 2937-2957	3.4	12
34	WSB-1 regulates the metastatic potential of hormone receptor negative breast cancer. <i>British Journal of Cancer</i> , <b>2018</b> , 118, 1229-1237	8.7	11
33	Selective modulation by PARP-1 of HIF-1 recruitment to chromatin during hypoxia is required for tumor adaptation to hypoxic conditions. <i>Redox Biology</i> , <b>2021</b> , 41, 101885	11.3	11
32	Hypoxia inducible factors regulate hepatitis B virus replication by activating the basal core promoter. <i>Journal of Hepatology</i> , <b>2021</b> , 75, 64-73	13.4	10

31	Development and pre-clinical testing of a novel hypoxia-activated KDAC inhibitor. <i>Cell Chemical Biology</i> , <b>2021</b> , 28, 1258-1270.e13	8.2	10
30	Hypoxia-activated pro-drugs of the KDAC inhibitor vorinostat (SAHA). <i>Tetrahedron</i> , <b>2020</b> , 76, 131170	2.4	9
29	Links between the unfolded protein response and the DNA damage response in hypoxia: a systematic review. <i>Biochemical Society Transactions</i> , <b>2021</b> , 49, 1251-1263	5.1	9
28	Hypoxia-Activated, Small-Molecule-Induced Gene Expression. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 3354-3360	4.9	7
27	Hypoxia-induced SETX links replication stress with the unfolded protein response. <i>Nature Communications</i> , <b>2021</b> , 12, 3686	17.4	6
26	Controlling Intramolecular Interactions in the Design of Selective, High-Affinity Ligands for the CREBBP Bromodomain. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 10102-10123	8.3	6
25	Measuring DNA Replication in Hypoxic Conditions. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 899, 11-25	3.6	6
24	In Vitro Radiosensitization of Esophageal Cancer Cells with the Aminopeptidase Inhibitor CHR-2797. <i>Radiation Research</i> , <b>2015</b> , 184, 259-65	3.1	5
23	The imidazoacridinone C-1311 induces p53-dependent senescence or p53-independent apoptosis and sensitizes cancer cells to radiation. <i>Oncotarget</i> , <b>2017</b> , 8, 31187-31198	3.3	5
22	AKT inhibition as a strategy for targeting hypoxic HPV-positive HNSCC. <i>Radiotherapy and Oncology</i> , <b>2020</b> , 149, 1-7	5.3	4
21	RRM2B: An oxygen-requiring protein with a role in hypoxia. <i>Molecular and Cellular Oncology</i> , <b>2017</b> , 4, e1335272	1.2	4
20	Replication catastrophe induced by cyclic hypoxia leads to increased APOBEC3B activity. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 7492-7506	20.1	4
19	Controlling Intramolecular Interactions in the Design of Selective, High-Affinity, Ligands for the CREBBP Bromodomain		3
18	Zap-Pano: a Photocaged Prodrug of the KDAC Inhibitor Panobinostat. <i>ChemMedChem</i> , <b>2021</b> ,	3.7	3
17	Impact of Wee1 inhibition on the hypoxia-induced DNA damage response <b>2013</b> , 1,		2
16	SPINK1 as a plasma marker for tumor hypoxia and a therapeutic target for radiosensitization. <i>JCI Insight</i> , <b>2021</b> , 6,	9.9	2
15	Uncovering the influence of the FGFR1 pathway on glioblastoma radiosensitivity. <i>Annals of Translational Medicine</i> , <b>2016</b> , 4, 538	3.2	2
14	Pharmacological Inhibition of ATR Can Block Autophagy through an ATR-Independent Mechanism. <i>IScience</i> , <b>2020</b> , 23, 101668	6.1	2

13	Anticancer Imidazoacridinone C-1311 is Effective in Androgen-Dependent and Androgen-Independent Prostate Cancer Cells. <i>Biomedicines</i> , <b>2020</b> , 8,	4.8	2
12	Hypoxia and Modulation of Cellular Radiation Response <b>2011</b> , 127-141		2
11	WIP1 and senescence: oxygen matters. <i>Cell Cycle</i> , <b>2014</b> , 13, 1062	4.7	1
10	Isolation of Proteins on Nascent DNA in Hypoxia and Reoxygenation Conditions. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 899, 27-40	3.6	1
9	Hypoxia and the DNA Damage Response. <i>Cancer Drug Discovery and Development</i> , <b>2014</b> , 21-41	0.3	1
8	A New Assay to Measure Intestinal Crypt Survival after Irradiation: Challenges and Opportunities. <i>Cancer Research</i> , <b>2020</b> , 80, 927-928	10.1	0
7	DNA-structured mathematical model of cell-cycle progression in cyclic hypoxia.. <i>Journal of Theoretical Biology</i> , <b>2022</b> , 111104	2.3	0
6	Targeting Tumour Hypoxia with PARP Inhibitors: Contextual Synthetic Lethality. <i>Cancer Drug Discovery and Development</i> , <b>2015</b> , 345-361	0.3	
5	Hypoxia in Cancer777-798		
4	Apoptosis-specific protein (ASP) identified in apoptotic <i>Xenopus</i> thymus tumor cells. <i>Autoimmunity</i> , <b>1998</b> , 5, 333-48		
3	Dna Damage and Repair <b>2010</b> , 31-39		
2	Hypoxia and the DNA Damage Response207-228		
1	Targeting Tumor Hypoxia. <i>Cancer Drug Discovery and Development</i> , <b>2020</b> , 265-299	0.3	