Ester M Hammond

List of Publications by Year
in descending order

101 papers	11,620 citations	71061 41 h-index	34964 98 g-index
117 all docs	117 docs citations	117 times ranked	23224 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	XBP1 Is Essential for Survival under Hypoxic Conditions and Is Required for Tumor Growth. Cancer Research, 2004, 64, 5943-5947.	0.4	496
3	Regulation of p53 by Hypoxia: Dissociation of Transcriptional Repression and Apoptosis from p53-Dependent Transactivation. Molecular and Cellular Biology, 2001, 21, 1297-1310.	1.1	326
4	Regulation of autophagy by ATF4 in response to severe hypoxia. Oncogene, 2010, 29, 4424-4435.	2.6	320
5	Ultra-High Dose Rate (FLASH) Radiotherapy: Silver Bullet or Fool's Gold?. Frontiers in Oncology, 2019, 9, 1563.	1.3	302
6	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-e441.	2.7	291
7	Hypoxia Links ATR and p53 through Replication Arrest. Molecular and Cellular Biology, 2002, 22, 1834-1843.	1.1	283
8	ATR/ATM Targets Are Phosphorylated by ATR in Response to Hypoxia and ATM in Response to Reoxygenation. Journal of Biological Chemistry, 2003, 278, 12207-12213.	1.6	250
9	Contextual Synthetic Lethality of Cancer Cell Kill Based on the Tumor Microenvironment. Cancer Research, 2010, 70, 8045-8054.	0.4	211
10	ATM Activation and Signaling under Hypoxic Conditions. Molecular and Cellular Biology, 2009, 29, 526-537.	1.1	210
11	The role of p53 in hypoxia-induced apoptosis. Biochemical and Biophysical Research Communications, 2005, 331, 718-725.	1.0	177
12	UCHL1 provides diagnostic and antimetastatic strategies due to its deubiquitinating effect on HIF-1Î±. Nature Communications, 2015, 6, 6153.	5.8	175
13	The anti-malarial atovaquone increases radiosensitivity by alleviating tumour hypoxia. Nature Communications, 2016, 7, 12308.	5.8	173
14	Effects of Acute versus Chronic Hypoxia on DNA Damage Responses and Genomic Instability. Cancer Research, 2010, 70, 925-935.	0.4	166
15	Targeting ATR in DNA damage response and cancer therapeutics. Cancer Treatment Reviews, 2014, 40, 109-117.	3.4	152
16	A novel method for autophagy detection in primary cells. Autophagy, 2012, 8, 677-689.	4.3	141
17	Targeting radiation-resistant hypoxic tumour cells through ATR inhibition. British Journal of Cancer, 2012, 107, 291-299.	2.9	141
18	The p53QS transactivation-deficient mutant shows stress-specific apoptotic activity and induces embryonic lethality. Nature Genetics, 2005, 37, 145-152.	9.4	130

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19	Optimization of 3,5-Dimethylisoxazole Derivatives as Potent Bromodomain Ligands. Journal of Medicinal Chemistry, 2013, 56, 3217-3227.	2.9	125
20	Human AlkB Homologue 5 Is a Nuclear 2-Oxoglutarate Dependent Oxygenase and a Direct Target of Hypoxia-Inducible Factor 1Î± (HIF-1Î±). PLoS ONE, 2011, 6, e16210.	1.1	120
21	Replication Stress Drives Constitutive Activation of the DNA Damage Response and Radioresistance in Glioblastoma Stem-like Cells. Cancer Research, 2018, 78, 5060-5071.	0.4	118
22	Hypoxia-induced p53 modulates both apoptosis and radiosensitivity via AKT. Journal of Clinical Investigation, 2015, 125, 2385-2398.	3.9	111
23	Clinical Advances of Hypoxia-Activated Prodrugs in Combination With Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2017, 98, 1183-1196.	0.4	109
24	Replication Stress and Chromatin Context Link ATM Activation to a Role in DNA Replication. Molecular Cell, 2013, 52, 758-766.	4.5	102
25	Inhibition of ATR Leads to Increased Sensitivity to Hypoxia/Reoxygenation. Cancer Research, 2004, 64, 6556-6562.	0.4	98
26	Targeting Hypoxic Cells through the DNA Damage Response. Clinical Cancer Research, 2010, 16, 5624-5629.	3.2	93
27	RASSF1Aâ€"LATS1 signalling stabilizes replication forks by restricting CDK2-mediated phosphorylation ofÂBRCA2. Nature Cell Biology, 2014, 16, 962-971.	4.6	83
28	Cyclic Hypoxia: An Update on Its Characteristics, Methods to Measure It and Biological Implications in Cancer. Cancers, 2021, 13, 23.	1.7	82
29	The role of ATM and ATR in the cellular response to hypoxia and re-oxygenation. DNA Repair, 2004, 3, 1117-1122.	1.3	78
30	Comparison of hypoxia-induced replication arrest with hydroxyurea and aphidicolin-induced arrest. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2003, 532, 205-213.	0.4	76
31	Genome-Wide Analysis of p53 under Hypoxic Conditions. Molecular and Cellular Biology, 2006, 26, 3492-3504.	1.1	75
32	Homology between a human apoptosis specific protein and the product of APG5 , a gene involved in autophagy in yeast. FEBS Letters, 1998, 425, 391-395.	1.3	74
33	Ribonucleotide Reductase Requires Subunit Switching in Hypoxia to Maintain DNA Replication. Molecular Cell, 2017, 66, 206-220.e9.	4.5	71
34	DNA Damage during Reoxygenation Elicits a Chk2-Dependent Checkpoint Response. Molecular and Cellular Biology, 2006, 26, 1598-1609.	1.1	61
35	Functional Analysis of p53 Binding under Differential Stresses. Molecular and Cellular Biology, 2006, 26, 7030-7045.	1.1	59
36	Design, synthesis and evaluation of molecularly targeted hypoxia-activated prodrugs. Nature Protocols, 2016, 11, 781-794.	5.5	59

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37	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, 1451-1459.	1.6	53
38	CYP450 Enzymes Effect Oxygen-Dependent Reduction of Azide-Based Fluorogenic Dyes. ACS Central Science, 2017, 3, 20-30.	5.3	53
39	UCHL1-HIF-1 axis-mediated antioxidant property of cancer cells as a therapeutic target for radiosensitization. Scientific Reports, 2017, 7, 6879.	1.6	53
40	Oxygen sensing and the DNA-damage response. Current Opinion in Cell Biology, 2007, 19, 680-684.	2.6	46
41	HPV, hypoxia and radiation response in head and neck cancer. British Journal of Radiology, 2019, 92, 20180047.	1.0	44
42	Hypoxia Actively Represses Transcription by Inducing Negative Cofactor 2 (Dr1/DrAP1) and Blocking Preinitiation Complex Assembly. Journal of Biological Chemistry, 2003, 278, 5744-5749.	1.6	43
43	Epigenetic Therapy for Solid Tumors: Highlighting the Impact of Tumor Hypoxia. Genes, 2015, 6, 935-956.	1.0	43
44	Challenges to DNA replication in hypoxic conditions. FEBS Journal, 2018, 285, 1563-1571.	2.2	42
45	KDM4A regulates HIF-1 levels through H3K9me3. Scientific Reports, 2017, 7, 11094.	1.6	41
46	Radiosensitization of renal cell carcinoma in vitro through the induction of autophagy. Radiotherapy and Oncology, 2012, 103, 388-393.	0.3	39
47	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, 772-781.	0.4	39
48	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.	0.4	38
49	Preclinical testing of an ATR inhibitor demonstrates improved response to standard therapies for esophageal cancer. Radiotherapy and Oncology, 2016, 121, 232-238.	0.3	37
50	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.	0.4	37
51	Temporal and spatial expression of two isoforms of theDutt1/Robo1gene in mouse development. FEBS Letters, 2002, 523, 12-16.	1.3	36
52	LY6E: a conductor of malignant tumor growth through modulation of the PTEN/PI3K/Akt/HIF-1 axis. Oncotarget, 2016, 7, 65837-65848.	0.8	35
53	Hypoxia-Inducible Factor-1 and p53: Friends, Acquaintances, or Strangers?: Fig. 1.. Clinical Cancer Research, 2006, 12, 5007-5009.	3.2	34
54	Selective modulation by PARP-1 of HIF-1Î±-recruitment to chromatin during hypoxia is required for tumor adaptation to hypoxic conditions. Redox Biology, 2021, 41, 101885.	3.9	34

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55	Radiosensitization <i>In Vivo</i> by Histone Deacetylase Inhibition with No Increase in Early Normal Tissue Radiation Toxicity. Molecular Cancer Therapeutics, 2018, 17, 381-392.	1.9	31
56	Hypoxia inducible factors regulate hepatitis B virus replication by activating the basal core promoter. Journal of Hepatology, 2021, 75, 64-73.	1.8	31
57	Links between the unfolded protein response and the DNA damage response in hypoxia: a systematic review. Biochemical Society Transactions, 2021, 49, 1251-1263.	1.6	30
58	Tumor Microenvironment and Cellular Stress. Advances in Experimental Medicine and Biology, 2014, 772, v-viii.	0.8	29
59	Specific cleavage of Î³ catenin by caspases during apoptosis. FEBS Letters, 1998, 433, 51-57.	1.3	28
60	HIF-1Î±-independent hypoxia-induced rapid PTK6 stabilization is associated with increased motility and invasion. Cancer Biology and Therapy, 2014, 15, 1350-1357.	1.5	27
61	Checking in on Hypoxia/Reoxygenation. Cell Cycle, 2006, 5, 1304-1307.	1.3	26
62	Exposure to acute hypoxia induces a transient DNA damage response which includes Chk1 and TLK1. Cell Cycle, 2010, 9, 2502-2507.	1.3	26
63	The Role of the HIF-1Î± Transcription Factor in Increased Cell Division at Physiological Oxygen Tensions. PLoS ONE, 2014, 9, e97938.	1.1	25
64	The roles of Chk 1 and Chk 2 in hypoxia and reoxygenation. Cancer Letters, 2006, 238, 161-167.	3.2	23
65	ATM activation in hypoxia - causes and consequences. Molecular and Cellular Oncology, 2014, 1, e29903.	0.3	22
66	Development and pre-clinical testing of a novel hypoxia-activated KDAC inhibitor. Cell Chemical Biology, 2021, 28, 1258-1270.e13.	2.5	21
67	Efficient synthesis of 2-nitroimidazole derivatives and the bioreductive clinical candidate Evofosfamide (TH-302). Organic Chemistry Frontiers, 2015, 2, 1026-1029.	2.3	19
68	WSB-1 regulates the metastatic potential of hormone receptor negative breast cancer. British Journal of Cancer, 2018, 118, 1229-1237.	2.9	19
69	BET bromodomain ligands: Probing the WPF shelf to improve BRD4 bromodomain affinity and metabolic stability. Bioorganic and Medicinal Chemistry, 2018, 26, 2937-2957.	1.4	19
70	Hypoxia-induced SETX links replication stress with the unfolded protein response. Nature Communications, 2021, 12, 3686.	5.8	19
71	Mechanisms and consequences of ATMIN repression in hypoxic conditions: roles for p53 and HIF-1. Scientific Reports, 2016, 6, 21698.	1.6	18
72	Replication catastrophe induced by cyclic hypoxia leads to increased APOBEC3B activity. Nucleic Acids Research, 2021, 49, 7492-7506.	6.5	18

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73	Controlling Intramolecular Interactions in the Design of Selective, High-Affinity Ligands for the CREBBP Bromodomain. Journal of Medicinal Chemistry, 2021, 64, 10102-10123.	2.9	17
74	Radiation and ATM inhibition: the heart of the matter. Journal of Clinical Investigation, 2014, 124, 3289-3291.	3.9	17
75	Antiangiogenic Therapy and p53. Science, 2002, 297, 471a-471.	6.0	16
76	Bringing H2AX into the Angiogenesis Family. Cancer Cell, 2009, 15, 459-461.	7.7	16
77	Hypoxia-activated pro-drugs of the KDAC inhibitor vorinostat (SAHA). Tetrahedron, 2020, 76, 131170.	1.0	14
78	Hypoxia-Activated, Small-Molecule-Induced Gene Expression. ACS Chemical Biology, 2018, 13, 3354-3360.	1.6	11
79	SPINK1 as a plasma marker for tumor hypoxia and a therapeutic target for radiosensitization. JCI Insight, 2021, 6, .	2.3	11
80	The imidazoacridinone C-1311 induces p53-dependent senescence or p53-independent apoptosis and sensitizes cancer cells to radiation. Oncotarget, 2017, 8, 31187-31198.	0.8	9
81	Measuring DNA Replication in Hypoxic Conditions. Advances in Experimental Medicine and Biology, 2016, 899, 11-25.	0.8	7
82	AKT inhibition as a strategy for targeting hypoxic HPV-positive HNSCC. Radiotherapy and Oncology, 2020, 149, 1-7.	0.3	7
83	Zapâ€Pano: a Photocaged Prodrug of the KDAC Inhibitor Panobinostat. ChemMedChem, 2021, 16, 3691-3700.	1.6	6
84	A DNA-structured mathematical model of cell-cycle progression in cyclic hypoxia. Journal of Theoretical Biology, 2022, 545, 111104.	0.8	6
85	In Vitro Radiosensitization of Esophageal Cancer Cells with the Aminopeptidase Inhibitor CHR-2797. Radiation Research, 2015, 184, 259.	0.7	5
86	RRM2B: An oxygen-requiring protein with a role in hypoxia. Molecular and Cellular Oncology, 2017, 4, e1335272.	0.3	5
87	Pharmacological Inhibition of ATR Can Block Autophagy through an ATR-Independent Mechanism. IScience, 2020, 23, 101668.	1.9	5
88	Anticancer Imidazoacridinone C-1311 is Effective in Androgen-Dependent and Androgen-Independent Prostate Cancer Cells. Biomedicines, 2020, 8, 292.	1.4	5
89	Hypoxia and the DNA Damage Response. Cancer Drug Discovery and Development, 2014, , 21-41.	0.2	4
90	Uncovering the influence of the FGFR1 pathway on glioblastoma radiosensitivity. Annals of Translational Medicine, 2016, 4, 538-538.	0.7	4

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91	A New Assay to Measure Intestinal Crypt Survival after Irradiation: Challenges and Opportunities. Cancer Research, 2020, 80, 927-928.	0.4	3
92	Apoptosis-Specific Protein (ASP) Identified in ApoptoticXenopusThymus Tumor Cells. Autoimmunity, 1998, 5, 333-348.	0.6	2
93	Impact of Wee1 inhibition on the hypoxia-induced DNA damage response. Tumor Microenvironment and Therapy, 2013, 1, .	1.2	2
94	WIP1 and senescence: Oxygen matters. Cell Cycle, 2014, 13, 1062-1062.	1.3	2
95	Isolation of Proteins on Nascent DNA in Hypoxia and Reoxygenation Conditions. Advances in Experimental Medicine and Biology, 2016, 899, 27-40.	0.8	2
96	Hypoxia and Modulation of Cellular Radiation Response. , 2011, , 127-141.		2
97	Targeting Tumor Hypoxia. Cancer Drug Discovery and Development, 2020, , 265-299.	0.2	1
98	Hypoxia in Cancer. , 0, , 777-798.		0
99	Targeting Tumour Hypoxia with PARP Inhibitors: Contextual Synthetic Lethality. Cancer Drug Discovery and Development, 2015, , 345-361.	0.2	0
100	Dna Damage and Repair. , 2010, , 31-39.		0
101	Elucidating the role of transiently hypoxic tumour cells on radiation resistance. British Journal of Cancer, 2022, 126, 971-972.	2.9	0