

Maureen E Murphy

List of Publications by Year in descending order

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103
papers

21,754
citations

46918

47
h-index

33814

99
g-index

113
all docs

113
docs citations

113
times ranked

35576
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Ferroptosis: A Regulated Cell Death Nexus Linking Metabolism, Redox Biology, and Disease. <i>Cell</i> , 2017, 171, 273-285.	13.5	4,081
3	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
4	The codon 72 polymorphic variants of p53 have markedly different apoptotic potential. <i>Nature Genetics</i> , 2003, 33, 357-365.	9.4	1,188
5	p53 induces differentiation of mouse embryonic stem cells by suppressing Nanog expression. <i>Nature Cell Biology</i> , 2005, 7, 165-171.	4.6	771
6	Mitochondrial p53 activates Bak and causes disruption of a Bak-Mcl1 complex. <i>Nature Cell Biology</i> , 2004, 6, 443-450.	4.6	698
7	Transcriptional Repression of the Anti-apoptotic survivin Gene by Wild Type p53. <i>Journal of Biological Chemistry</i> , 2002, 277, 3247-3257.	1.6	672
8	The HSP70 family and cancer. <i>Carcinogenesis</i> , 2013, 34, 1181-1188.	1.3	447
9	A Small Molecule Inhibitor of Inducible Heat Shock Protein 70. <i>Molecular Cell</i> , 2009, 36, 15-27.	4.5	419
10	Analysis of p53-regulated gene expression patterns using oligonucleotide arrays. <i>Genes and Development</i> , 2000, 14, 981-993.	2.7	412
11	BID regulation by p53 contributes to chemosensitivity. <i>Nature Cell Biology</i> , 2002, 4, 842-849.	4.6	370
12	Regulation of p53 by Hypoxia: Dissociation of Transcriptional Repression and Apoptosis from p53-Dependent Transactivation. <i>Molecular and Cellular Biology</i> , 2001, 21, 1297-1310.	1.1	326
13	An African-specific polymorphism in the TP53 gene impairs p53 tumor suppressor function in a mouse model. <i>Genes and Development</i> , 2016, 30, 918-930.	2.7	277
14	Lipid bodies containing oxidatively truncated lipids block antigen cross-presentation by dendritic cells in cancer. <i>Nature Communications</i> , 2017, 8, 2122.	5.8	196
15	Single-nucleotide polymorphisms in the p53 pathway regulate fertility in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9761-9766.	3.3	175
16	A Unified Approach to Targeting the Lysosome's Degradative and Growth Signaling Roles. <i>Cancer Discovery</i> , 2017, 7, 1266-1283.	7.7	159
17	The role of MAP4 expression in the sensitivity to paclitaxel and resistance to vinca alkaloids in p53 mutant cells. <i>Oncogene</i> , 1998, 16, 1617-1624.	2.6	144
18	Autophagy in tumor suppression and cancer therapy. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2011, 21, 71-100.	0.4	142

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19	The p53 Tumor Suppressor in the Control of Metabolism and Ferroptosis. <i>Frontiers in Endocrinology</i> , 2018, 9, 124.	1.5	138
20	HSP70 Inhibition by the Small-Molecule 2-Phenylethanesulfonamide Impairs Protein Clearance Pathways in Tumor Cells. <i>Molecular Cancer Research</i> , 2011, 9, 936-947.	1.5	132
21	Down-regulation of the stathmin/Op18 and FKBP25 genes following p53 induction. <i>Oncogene</i> , 1999, 18, 5954-5958.	2.6	123
22	The Corepressor mSin3a Interacts with the Proline-Rich Domain of p53 and Protects p53 from Proteasome-Mediated Degradation. <i>Molecular and Cellular Biology</i> , 2001, 21, 3974-3985.	1.1	117
23	The role of the p53 tumor suppressor in metabolism and diabetes. <i>Journal of Endocrinology</i> , 2016, 231, R61-R75.	1.2	108
24	The Codon 47 Polymorphism in p53 Is Functionally Significant. <i>Journal of Biological Chemistry</i> , 2005, 280, 24245-24251.	1.6	101
25	The Codon 72 Polymorphism of p53 Regulates Interaction with NF- κ B and Transactivation of Genes Involved in Immunity and Inflammation. <i>Molecular and Cellular Biology</i> , 2011, 31, 1201-1213.	1.1	100
26	The P72R Polymorphism of p53 Predisposes to Obesity and Metabolic Dysfunction. <i>Cell Reports</i> , 2016, 14, 2413-2425.	2.9	95
27	p53 and ARF: unexpected players in autophagy. <i>Trends in Cell Biology</i> , 2010, 20, 363-369.	3.6	92
28	A Modified HSP70 Inhibitor Shows Broad Activity as an Anticancer Agent. <i>Molecular Cancer Research</i> , 2013, 11, 219-229.	1.5	92
29	ARF Induces Autophagy by Virtue of Interaction with Bcl-xl. <i>Journal of Biological Chemistry</i> , 2009, 284, 2803-2810.	1.6	84
30	Mutant p53 controls tumor metabolism and metastasis by regulating PGC-1 α . <i>Genes and Development</i> , 2018, 32, 230-243.	2.7	81
31	Oligomerization of BAK by p53 Utilizes Conserved Residues of the p53 DNA Binding Domain. <i>Journal of Biological Chemistry</i> , 2008, 283, 21294-21304.	1.6	78
32	Crystal Structure of the Stress-Inducible Human Heat Shock Protein 70 Substrate-Binding Domain in Complex with Peptide Substrate. <i>PLoS ONE</i> , 2014, 9, e103518.	1.1	78
33	p53 orchestrates DNA replication restart homeostasis by suppressing mutagenic RAD52 and POL η pathways. <i>ELife</i> , 2018, 7, .	2.8	78
34	<sc>W</sc>nt5<sc>A</sc> promotes an adaptive, senescentâ€like stress response, while continuing to drive invasion in melanoma cells. <i>Pigment Cell and Melanoma Research</i> , 2015, 28, 184-195.	1.5	77
35	The neurofibromatosis 2 (NF2) tumor suppressor gene encodes multiple alternatively spliced transcripts. <i>Human Molecular Genetics</i> , 1994, 3, 559-564.	1.4	74
36	Mechanistic basis for impaired ferroptosis in cells expressing the African-centric S47 variant of p53. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8390-8396.	3.3	72

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37	Regulation of female reproduction by p53 and its family members. <i>FASEB Journal</i> , 2011, 25, 2245-2255.	0.2	71
38	Acetylation of the DNA Binding Domain Regulates Transcription-independent Apoptosis by p53. <i>Journal of Biological Chemistry</i> , 2009, 284, 20197-20205.	1.6	70
39	p53 Moves to Mitochondria: A Turn on the Path to Apoptosis. <i>Cell Cycle</i> , 2004, 3, 834-837.	1.3	66
40	Structure and Organization of Amplified DNA on Double Minutes Containing the mdm2 Oncogene. <i>Genomics</i> , 1993, 15, 283-290.	1.3	62
41	Structural Basis for the Inhibition of HSP70 and DnaK Chaperones by Small-Molecule Targeting of a C-Terminal Allosteric Pocket. <i>ACS Chemical Biology</i> , 2014, 9, 2508-2516.	1.6	62
42	Small-Molecule Reactivation of Mutant p53 to Wild-Type-like p53 through the p53-Hsp40 Regulatory Axis. <i>Chemistry and Biology</i> , 2015, 22, 1206-1216.	6.2	59
43	Identification and Characterization of Small Molecule Human Papillomavirus E6 Inhibitors. <i>ACS Chemical Biology</i> , 2014, 9, 1603-1612.	1.6	55
44	Genetic Modifiers of the p53 Pathway. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2016, 6, a026302.	2.9	52
45	Subtelomeric p53 binding prevents accumulation of <scp>DNA</scp> damage at human telomeres. <i>EMBO Journal</i> , 2016, 35, 193-207.	3.5	52
46	Biochemical changes associated with a multidrug-resistant phenotype of a human glioma cell line with temozolomide-acquired resistance. <i>Biochemical Pharmacology</i> , 2002, 63, 1219-1228.	2.0	51
47	The ARF Tumor Suppressor Can Promote the Progression of Some Tumors. <i>Cancer Research</i> , 2008, 68, 9608-9613.	0.4	51
48	Identification of TRIML2, a Novel p53 Target, that Enhances p53 SUMOylation and Regulates the Transactivation of Proapoptotic Genes. <i>Molecular Cancer Research</i> , 2015, 13, 250-262.	1.5	49
49	Comparison of the activity of three different HSP70 inhibitors on apoptosis, cell cycle arrest, autophagy inhibition, and HSP90 inhibition. <i>Cancer Biology and Therapy</i> , 2014, 15, 194-199.	1.5	48
50	Paradoxical Role for Wild-Type p53 in Driving Therapy Resistance in Melanoma. <i>Molecular Cell</i> , 2020, 77, 633-644.e5.	4.5	45
51	A functionally significant SNP in TP53 and breast cancer risk in African-American women. <i>Npj Breast Cancer</i> , 2017, 3, 5.	2.3	44
52	ARF, autophagy and tumor suppression. <i>Autophagy</i> , 2009, 5, 397-399.	4.3	41
53	A conserved domain in exon 2 coding for the human and murine ARF tumor suppressor protein is required for autophagy induction. <i>Autophagy</i> , 2013, 9, 1553-1565.	4.3	39
54	Wild-type and mutant p53 proteins interact with mitochondrial caspase-3. <i>Cancer Biology and Therapy</i> , 2011, 11, 740-745.	1.5	38

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55	Common genetic variants in the TP53 pathway and their impact on cancer. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 578-585.	1.5	38
56	Tissue-specific apoptotic effects of the p53 codon 72 polymorphism in a mouse model. <i>Cell Cycle</i> , 2011, 10, 1352-1355.	1.3	36
57	Ironing out how p53 regulates ferroptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12350-12352.	3.3	34
58	HSP70 Inhibition Limits FAK-Dependent Invasion and Enhances the Response to Melanoma Treatment with BRAF Inhibitors. <i>Cancer Research</i> , 2016, 76, 2720-2730.	0.4	33
59	African-centric TP53 variant increases iron accumulation and bacterial pathogenesis but improves response to malaria toxin. <i>Nature Communications</i> , 2020, 11, 473.	5.8	33
60	A Rare <i>TP53</i> Mutation Predominant in Ashkenazi Jews Confers Risk of Multiple Cancers. <i>Cancer Research</i> , 2020, 80, 3732-3744.	0.4	32
61	Inhibition of stress-inducible HSP70 impairs mitochondrial proteostasis and function. <i>Oncotarget</i> , 2017, 8, 45656-45669.	0.8	32
62	Wild-type and Hupki (Human p53 Knock-in) Murine Embryonic Fibroblasts. <i>Journal of Biological Chemistry</i> , 2010, 285, 11326-11335.	1.6	31
63	Functional interplay among thiol-based redox signaling, metabolism, and ferroptosis unveiled by a genetic variant of <i>TP53</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26804-26811.	3.3	31
64	p53 moves to mitochondria: a turn on the path to apoptosis. <i>Cell Cycle</i> , 2004, 3, 836-9.	1.3	31
65	The tetramerization domain of p53 is required for efficient BAK oligomerization. <i>Cancer Biology and Therapy</i> , 2007, 6, 1576-1583.	1.5	30
66	The African-specific S47 polymorphism of p53 alters chemosensitivity. <i>Cell Cycle</i> , 2016, 15, 2557-2560.	1.3	30
67	ATG5 Mediates a Positive Feedback Loop between Wnt Signaling and Autophagy in Melanoma. <i>Cancer Research</i> , 2017, 77, 5873-5885.	0.4	26
68	p53 Differentially Inhibits Cell Growth Depending on the Mechanism of Telomere Maintenance. <i>Molecular and Cellular Biology</i> , 2004, 24, 5967-5977.	1.1	24
69	P53 represses pyrimidine catabolic gene dihydropyrimidine dehydrogenase (DPYD) expression in response to thymidylate synthase (TS) targeting. <i>Scientific Reports</i> , 2017, 7, 9711.	1.6	24
70	The codon 72 polymorphism of p53 influences cell fate following nutrient deprivation. <i>Cancer Biology and Therapy</i> , 2017, 18, 484-491.	1.5	21
71	The methionine salvage pathway compound 4-methylthio-2-oxobutanate causes apoptosis independent of down-regulation of ornithine decarboxylase. <i>Biochemical Pharmacology</i> , 2006, 72, 806-815.	2.0	20
72	CSF1 Is a Novel p53 Target Gene Whose Protein Product Functions in a Feed-Forward Manner to Suppress Apoptosis and Enhance p53-Mediated Growth Arrest. <i>PLoS ONE</i> , 2013, 8, e74297.	1.1	20

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73	Interaction of the ARF tumor suppressor with cytosolic HSP70 contributes to its autophagy function. <i>Cancer Biology and Therapy</i> , 2011, 12, 503-509.	1.5	19
74	Heat Shock Proteins Regulate Activation-induced Proteasomal Degradation of the Mature Phosphorylated Form of Protein Kinase C. <i>Journal of Biological Chemistry</i> , 2013, 288, 27112-27127.	1.6	18
75	Efficacy of the HSP70 inhibitor PET-16 in multiple myeloma. <i>Cancer Biology and Therapy</i> , 2015, 16, 1422-1426.	1.5	18
76	Microarray Expression Profiling of p53-Dependent Transcriptional Changes in an Immortalized Mouse Embryo Fibroblast Cell Line. <i>Cancer Biology and Therapy</i> , 2003, 2, 416-430.	1.5	15
77	Low risk HPV-E6 traps p53 in the cytoplasm and induces p53-dependent apoptosis. <i>Cancer Biology and Therapy</i> , 2008, 7, 1916-1918.	1.5	15
78	Design, synthesis, and biological evaluation of \hat{I}^2 -carboline dimers based on the structure of neokaulamine. <i>Tetrahedron Letters</i> , 2015, 56, 3515-3517.	0.7	15
79	A Novel Inhibitor of HSP70 Induces Mitochondrial Toxicity and Immune Cell Recruitment in Tumors. <i>Cancer Research</i> , 2020, 80, 5270-5281.	0.4	15
80	Shifting the paradigms for tumor suppression: lessons from the p53 field. <i>Oncogene</i> , 2021, 40, 4281-4290.	2.6	15
81	Loss of chromosome 8p sequences in human breast carcinoma cell lines. <i>Cancer Genetics and Cytogenetics</i> , 1994, 76, 23-28.	1.0	12
82	Increased mTOR activity and metabolic efficiency in mouse and human cells containing the African-centric tumor-predisposing p53 variant Pro47Ser. <i>ELife</i> , 2020, 9, .	2.8	12
83	A link between <i>TP53</i> polymorphisms and metabolism. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1173769.	0.3	11
84	Tumor cells containing the African-Centric S47 variant of TP53 show increased Warburg metabolism. <i>Oncotarget</i> , 2019, 10, 1217-1223.	0.8	11
85	The p53 Codon 72 Polymorphism Modifies the Cellular Response to Inflammatory Challenge in the Liver. <i>Journal of Liver</i> , 2013, 02, .	0.3	10
86	p53 family members regulate cancer stem cells. <i>Cell Cycle</i> , 2016, 15, 1403-1404.	1.3	9
87	Tailoring Chemotherapy for the African-Centric S47 Variant of TP53. <i>Cancer Research</i> , 2018, 78, 5694-5705.	0.4	9
88	The Thousand Doors that Lead to Death: p53-Dependent Repression and Apoptosis. <i>Cancer Biology and Therapy</i> , 2003, 2, 381-382.	1.5	8
89	PUMA-dependent apoptosis in NSCLC cancer cells by a dimeric \hat{I}^2 -carboline. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 4884-4887.	1.0	6
90	The transcription-independent mitochondrial cell death pathway is defective in non-transformed cells containing the Pro47Ser variant of p53. <i>Cancer Biology and Therapy</i> , 2018, 19, 1033-1038.	1.5	6

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91	Targeting ErbB3 and Cellular NADPH/NADP ⁺ Abundance Sensitizes Cutaneous Melanomas to Ferroptosis Inducers. <i>ACS Chemical Biology</i> , 2022, 17, 1038-1044.	1.6	5
92	Elevated telomere dysfunction in cells containing the African-centric Pro47Ser cancer-risk variant of TP53. <i>Oncotarget</i> , 2019, 10, 3581-3591.	0.8	4
93	A novel cancer therapy approach targeting microtubule function. <i>Cancer Biology and Therapy</i> , 2006, 5, 1721-1723.	1.5	3
94	p53, transcriptional repression and drug sensitivity. <i>Cell Cycle</i> , 2010, 9, 4432-4432.	1.3	2
95	The Codon 72 <i>TP53</i> Polymorphism Contributes to TSC Tumorigenesis through the Notch/Nodal Axis. <i>Molecular Cancer Research</i> , 2019, 17, 1639-1651.	1.5	2
96	The Hsp70 Family of Heat Shock Proteins in Tumorigenesis: From Molecular Mechanisms to Therapeutic Opportunities. , 2015, , 203-224.		2
97	Methods to Study p53-Repressed Promoters. , 2003, 234, 111-120.		1
98	Oncogenes and Tumor Suppressor Genes in Autophagy. , 2013, , 127-143.		1
99	Editorial: Double-Edged Swords: Genetic Factors That Influence the Pathogenesis of Both Metabolic Disease and Cancer. <i>Frontiers in Endocrinology</i> , 2019, 10, 425.	1.5	1
100	P53 regulates cellular redox state, ferroptosis and metabolism. <i>Molecular and Cellular Oncology</i> , 2021, 8, 1877076.	0.3	1
101	Abstract 3793: Characterization of the mechanism of action of a novel small molecule inhibitor of HSP70. , 2012, , .		1
102	p53, ARF, and the Control of Autophagy. , 2010, , 97-105.		0
103	Transcriptional Repression by the p53 Tumor Suppressor Protein. , 2005, , 81-94.		0