# Maureen E Murphy

List of Publications by Year
in descending order



| 103 | 21,754 | 47006 47 | 33894 99 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 113 | 113 | 113 | 35576 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222. | 9.1 | 4,701 |
| 2 | Ferroptosis: A Regulated Cell Death Nexus Linking Metabolism, Redox Biology, and Disease. Cell, 2017, 171, 273-285. | 28.9 | 4,081 |
| 3 | Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544. | 9.1 | 3,122 |
| 4 | The codon 72 polymorphic variants of p53 have markedly different apoptotic potential. Nature Genetics, 2003, 33, 357-365. | 21.4 | 1,188 |
| 5 | p53 induces differentiation of mouse embryonic stem cells by suppressing Nanog expression. Nature Cell Biology, 2005, 7, 165-171. | 10.3 | 771 |
| 6 | Mitochondrial p53 activates Bak and causes disruption of a Bakâ€“Mcl1 complex. Nature Cell Biology, 2004, 6, 443-450. | 10.3 | 698 |
| 7 | Transcriptional Repression of the Anti-apoptoticsurvivin Gene by Wild Type p53. Journal of Biological Chemistry, 2002, 277, 3247-3257. | 3.4 | 672 |
| 8 | The HSP70 family and cancer. Carcinogenesis, 2013, 34, 1181-1188. | 2.8 | 447 |
| 9 | A Small Molecule Inhibitor of Inducible Heat Shock Protein 70. Molecular Cell, 2009, 36, 15-27. | 9.7 | 419 |
| 10 | Analysis of p53-regulated gene expression patterns using oligonucleotide arrays. Genes and Development, 2000, 14, 981-993. | 5.9 | 412 |
| 11 | BID regulation by p53 contributes to chemosensitivity. Nature Cell Biology, 2002, 4, 842-849. | 10.3 | 370 |
| 12 | Regulation of p53 by Hypoxia: Dissociation of Transcriptional Repression and Apoptosis from p53-Dependent Transactivation. Molecular and Cellular Biology, 2001, 21, 1297-1310. | 2.3 | 326 |
| 13 | An African-specific polymorphism in the TP53 gene impairs p53 tumor suppressor function in a mouse model. Genes and Development, 2016, 30, 918-930. | 5.9 | 277 |
| 14 | Lipid bodies containing oxidatively truncated lipids block antigen cross-presentation by dendritic cells in cancer. Nature Communications, 2017, 8, 2122. | 12.8 | 196 |
| 15 | Single-nucleotide polymorphisms in the p53 pathway regulate fertility in humans. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9761-9766. | 7.1 | 175 |
| 16 | A Unified Approach to Targeting the Lysosome's Degradative and Growth Signaling Roles. Cancer Discovery, 2017, 7, 1266-1283. | 9.4 | 159 |
| 17 | The role of MAP4 expression in the sensitivity to paclitaxel and resistance to vinca alkaloids in p53 mutant cells. Oncogene, 1998, 16, 1617-1624. | 5.9 | 144 |
| 18 | Autophagy in tumor suppression and cancer therapy. Critical Reviews in Eukaryotic Gene Expression, 2011, 21, 71-100. | 0.9 | 142 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The p53 Tumor Suppressor in the Control of Metabolism and Ferroptosis. Frontiers in Endocrinology, 2018, 9, 124. | 3.5 | 138 |
| 20 | HSP70 Inhibition by the Small-Molecule 2-Phenylethynesulfonamide Impairs Protein Clearance Pathways in Tumor Cells. Molecular Cancer Research, 2011, 9, 936-947. | 3.4 | 132 |
| 21 | Down-regulation of the stathmin/Op18 and FKBP25 genes following p53 induction. Oncogene, 1999, 18, 5954-5958. | 5.9 | 123 |
| 22 | The Corepressor mSin3a Interacts with the Proline-Rich Domain of p53 and Protects p53 from Proteasome-Mediated Degradation. Molecular and Cellular Biology, 2001, 21, 3974-3985. | 2.3 | 117 |
| 23 | The role of the p53 tumor suppressor in metabolism and diabetes. Journal of Endocrinology, 2016, 231, R61-R75. | 2.6 | 108 |
| 24 | The Codon 47 Polymorphism in p53 Is Functionally Significant. Journal of Biological Chemistry, 2005, 280, 24245-24251. | 3.4 | 101 |
| 25 | The Codon 72 Polymorphism of p53 Regulates Interaction with NF-Î²B and Transactivation of Genes Involved in Immunity and Inflammation. Molecular and Cellular Biology, 2011, 31, 1201-1213. | 2.3 | 100 |
| 26 | The P72R Polymorphism of p53 Predisposes to Obesity and Metabolic Dysfunction. Cell Reports, 2016, 14, 2413-2425. | 6.4 | 95 |
| 27 | p53 and ARF: unexpected players in autophagy. Trends in Cell Biology, 2010, 20, 363-369. | 7.9 | 92 |
| 28 | A Modified HSP70 Inhibitor Shows Broad Activity as an Anticancer Agent. Molecular Cancer Research, 2013, 11, 219-229. | 3.4 | 92 |
| 29 | ARF Induces Autophagy by Virtue of Interaction with Bcl-xl. Journal of Biological Chemistry, 2009, 284, 2803-2810. | 3.4 | 84 |
| 30 | Mutant p53 controls tumor metabolism and metastasis by regulating PGC-1Î±. Genes and Development, 2018, 32, 230-243. | 5.9 | 81 |
| 31 | Oligomerization of BAK by p53 Utilizes Conserved Residues of the p53 DNA Binding Domain. Journal of Biological Chemistry, 2008, 283, 21294-21304. | 3.4 | 78 |
| 32 | Crystal Structure of the Stress-Inducible Human Heat Shock Protein 70 Substrate-Binding Domain in Complex with Peptide Substrate. PLoS ONE, 2014, 9, e103518. | 2.5 | 78 |
| 33 | p53 orchestrates DNA replication restart homeostasis by suppressing mutagenic RAD52 and POLÎ¸ pathways. ELife, 2018, 7, . | 6.0 | 78 |
| 34 | <scp>W</scp>nt5<scp>A</scp> promotes an adaptive, senescentâ€like stress response, while continuing to drive invasion in melanoma cells. Pigment Cell and Melanoma Research, 2015, 28, 184-195. | 3.3 | 77 |
| 35 | The neurofibromatosis 2 (NF2) tumor suppressor gene encodes multiple alternatively spliced transcripts. Human Molecular Genetics, 1994, 3, 559-564. | 2.9 | 74 |
| 36 | Mechanistic basis for impaired ferroptosis in cells expressing the African-centric S47 variant of p53. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8390-8396. | 7.1 | 72 |

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|---|---|---|---|
| 37 | Regulation of female reproduction by p53 and its family members. FASEB Journal, 2011, 25, 2245-2255. | 0.5 | 71 |
| 38 | Acetylation of the DNA Binding Domain Regulates Transcription-independent Apoptosis by p53. Journal of Biological Chemistry, 2009, 284, 20197-20205. | 3.4 | 70 |
| 39 | p53 Moves to Mitochondria: A Turn on the Path to Apoptosis. Cell Cycle, 2004, 3, 834-837. | 2.6 | 66 |
| 40 | Structure and Organization of Amplified DNA on Double Minutes Containing the mdm2 Oncogene. Genomics, 1993, 15, 283-290. | 2.9 | 62 |
| 41 | Structural Basis for the Inhibition of HSP70 and DnaK Chaperones by Small-Molecule Targeting of a C-Terminal Allosteric Pocket. ACS Chemical Biology, 2014, 9, 2508-2516. | 3.4 | 62 |
| 42 | Small-Molecule Reactivation of Mutant p53 to Wild-Type-like p53 through the p53-Hsp40 Regulatory Axis. Chemistry and Biology, 2015, 22, 1206-1216. | 6.0 | 59 |
| 43 | Identification and Characterization of Small Molecule Human Papillomavirus E6 Inhibitors. ACS Chemical Biology, 2014, 9, 1603-1612. | 3.4 | 55 |
| 44 | Genetic Modifiers of the p53 Pathway. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a026302. | 6.2 | 52 |
| 45 | Subtelomeric p53 binding prevents accumulation of <scp>DNA</scp> damage at human telomeres. EMBO Journal, 2016, 35, 193-207. | 7.8 | 52 |
| 46 | Biochemical changes associated with a multidrug-resistant phenotype of a human glioma cell line with temozolomide-acquired resistance. Biochemical Pharmacology, 2002, 63, 1219-1228. | 4.4 | 51 |
| 47 | The ARF Tumor Suppressor Can Promote the Progression of Some Tumors. Cancer Research, 2008, 68, 9608-9613. | 0.9 | 51 |
| 48 | Identification of TRIML2, a Novel p53 Target, that Enhances p53 SUMOylation and Regulates the Transactivation of Proapoptotic Genes. Molecular Cancer Research, 2015, 13, 250-262. | 3.4 | 49 |
| 49 | Comparison of the activity of three different HSP70 inhibitors on apoptosis, cell cycle arrest, autophagy inhibition, and HSP90 inhibition. Cancer Biology and Therapy, 2014, 15, 194-199. | 3.4 | 48 |
| 50 | Paradoxical Role for Wild-Type p53 in Driving Therapy Resistance in Melanoma. Molecular Cell, 2020, 77, 633-644.e5. | 9.7 | 45 |
| 51 | A functionally significant SNP in TP53 and breast cancer risk in African-American women. Npj Breast Cancer, 2017, 3, 5. | 5.2 | 44 |
| 52 | ARF, autophagy and tumor suppression. Autophagy, 2009, 5, 397-399. | 9.1 | 41 |
| 53 | A conserved domain in exon 2 coding for the human and murine ARF tumor suppressor protein is required for autophagy induction. Autophagy, 2013, 9, 1553-1565. | 9.1 | 39 |
| 54 | Wild-type and mutant p53 proteins interact with mitochondrial caspase-3. Cancer Biology and Therapy, 2011, 11, 740-745. | 3.4 | 38 |

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|---|---|---|---|
| 55 | Common genetic variants in the TP53 pathway and their impact on cancer. Journal of Molecular Cell Biology, 2019, 11, 578-585. | 3.3 | 38 |
| 56 | Tissue-specific apoptotic effects of the p53 codon 72 polymorphism in a mouse model. Cell Cycle, 2011, 10, 1352-1355. | 2.6 | 36 |
| 57 | Ironing out how p53 regulates ferroptosis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12350-12352. | 7.1 | 34 |
| 58 | HSP70 Inhibition Limits FAK-Dependent Invasion and Enhances the Response to Melanoma Treatment with BRAF Inhibitors. Cancer Research, 2016, 76, 2720-2730. | 0.9 | 33 |
| 59 | African-centric TP53 variant increases iron accumulation and bacterial pathogenesis but improves response to malaria toxin. Nature Communications, 2020, 11, 473. | 12.8 | 33 |
| 60 | A Rare TP53 Mutation Predominant in Ashkenazi Jews Confers Risk of Multiple Cancers. Cancer Research, 2020, 80, 3732-3744. | 0.9 | 32 |
| 61 | Inhibition of stress-inducible HSP70 impairs mitochondrial proteostasis and function. Oncotarget, 2017, 8, 45656-45669. | 1.8 | 32 |
| 62 | Wild-type and Hupki (Human p53 Knock-in) Murine Embryonic Fibroblasts. Journal of Biological Chemistry, 2010, 285, 11326-11335. | 3.4 | 31 |
| 63 | Functional interplay among thiol-based redox signaling, metabolism, and ferroptosis unveiled by a genetic variant of TP53. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26804-26811. | 7.1 | 31 |
| 64 | p53 moves to mitochondria: a turn on the path to apoptosis. Cell Cycle, 2004, 3, 836-9. | 2.6 | 31 |
| 65 | The tetramerization domain of p53 is required for efficient BAK oligomerization. Cancer Biology and Therapy, 2007, 6, 1576-1583. | 3.4 | 30 |
| 66 | The African-specific S47 polymorphism of p53 alters chemosensitivity. Cell Cycle, 2016, 15, 2557-2560. | 2.6 | 30 |
| 67 | ATG5 Mediates a Positive Feedback Loop between Wnt Signaling and Autophagy in Melanoma. Cancer Research, 2017, 77, 5873-5885. | 0.9 | 26 |
| 68 | p53 Differentially Inhibits Cell Growth Depending on the Mechanism of Telomere Maintenance. Molecular and Cellular Biology, 2004, 24, 5967-5977. | 2.3 | 24 |
| 69 | P53 represses pyrimidine catabolic gene dihydropyrimidine dehydrogenase (DPYD) expression in response to thymidylate synthase (TS) targeting. Scientific Reports, 2017, 7, 9711. | 3.3 | 24 |
| 70 | The codon 72 polymorphism of p53 influences cell fate following nutrient deprivation. Cancer Biology and Therapy, 2017, 18, 484-491. | 3.4 | 21 |
| 71 | The methionine salvage pathway compound 4-methylthio-2-oxobutanate causes apoptosis independent of down-regulation of ornithine decarboxylase. Biochemical Pharmacology, 2006, 72, 806-815. | 4.4 | 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. PLoS ONE, 2013, 8, e74297. | 2.5 | 20 |

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| 73 | Interaction of the ARF tumor suppressor with cytosolic HSP70 contributes to its autophagy function. Cancer Biology and Therapy, 2011, 12, 503-509. | 3.4 | 19 |
| 74 | Heat Shock Proteins Regulate Activation-induced Proteasomal Degradation of the Mature Phosphorylated Form of Protein Kinase C. Journal of Biological Chemistry, 2013, 288, 27112-27127. | 3.4 | 18 |
| 75 | Efficacy of the HSP70 inhibitor PET-16 in multiple myeloma. Cancer Biology and Therapy, 2015, 16, 1422-1426. | 3.4 | 18 |
| 76 | Microarray Expression Profiling of p53-Dependent Transcriptional Changes in an Immortalized Mouse Embryo Fibroblast Cell Line. Cancer Biology and Therapy, 2003, 2, 416-430. | 3.4 | 15 |
| 77 | Low risk HPV-E6 traps p53 in the cytoplasm and induces p53-dependent apoptosis. Cancer Biology and Therapy, 2008, 7, 1916-1918. | 3.4 | 15 |
| 78 | Design, synthesis, and biological evaluation of Î²-carboline dimers based on the structure of neokauluamine. Tetrahedron Letters, 2015, 56, 3515-3517. | 1.4 | 15 |
| 79 | A Novel Inhibitor of HSP70 Induces Mitochondrial Toxicity and Immune Cell Recruitment in Tumors. Cancer Research, 2020, 80, 5270-5281. | 0.9 | 15 |
| 80 | Shifting the paradigms for tumor suppression: lessons from the p53 field. Oncogene, 2021, 40, 4281-4290. | 5.9 | 15 |
| 81 | Loss of chromosome 8p sequences in human breast carcinoma cell lines. Cancer Genetics and Cytogenetics, 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. ELife, 2020, 9, . | 6.0 | 12 |
| 83 | A link between TP53 polymorphisms and metabolism. Molecular and Cellular Oncology, 2016, 3, e1173769. | 0.7 | 11 |
| 84 | Tumor cells containing the African-Centric S47 variant ofTP53show increased Warburg metabolism. Oncotarget, 2019, 10, 1217-1223. | 1.8 | 11 |
| 85 | The p53 Codon 72 Polymorphism Modifies the Cellular Response to Inflammatory Challenge in the Liver. Journal of Liver, 2013, 02, . | 0.3 | 10 |
| 86 | p53 family members regulate cancer stem cells. Cell Cycle, 2016, 15, 1403-1404. | 2.6 | 9 |
| 87 | Tailoring Chemotherapy for the African-Centric S47 Variant of TP53. Cancer Research, 2018, 78, 5694-5705. | 0.9 | 9 |
| 88 | The Thousand Doors that Lead to Death: p53-Dependent Repression and Apoptosis. Cancer Biology and Therapy, 2003, 2, 381-382. | 3.4 | 8 |
| 89 | PUMA-dependent apoptosis in NSCLC cancer cells by a dimeric Î²-carboline. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 4884-4887. | 2.2 | 6 |
| 90 | The transcription-independent mitochondrial cell death pathway is defective in non-transformed cells containing the Pro47Ser variant of p53. Cancer Biology and Therapy, 2018, 19, 1033-1038. | 3.4 | 6 |

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|---|---|---|---|
| 91 | Targeting ErbB3 and Cellular NADPH/NADP<sup>+</sup> Abundance Sensitizes Cutaneous Melanomas to Ferroptosis Inducers. ACS Chemical Biology, 2022, 17, 1038-1044. | 3.4 | 5 |
| 92 | Elevated telomere dysfunction in cells containing the African-centric Pro47Ser cancer-risk variant of TP53. Oncotarget, 2019, 10, 3581-3591. | 1.8 | 4 |
| 93 | A novel cancer therapy approach targeting microtubule function. Cancer Biology and Therapy, 2006, 5, 1721-1723. | 3.4 | 3 |
| 94 | p53, transcriptional repression and drug sensitivity. Cell Cycle, 2010, 9, 4432-4432. | 2.6 | 2 |
| 95 | The Codon 72 TP53 Polymorphism Contributes to TSC Tumorigenesis through the Notchâ€“Nodal Axis. Molecular Cancer Research, 2019, 17, 1639-1651. | 3.4 | 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. Frontiers in Endocrinology, 2019, 10, 425. | 3.5 | 1 |
| 100 | P53 regulates cellular redox state, ferroptosis and metabolism. Molecular and Cellular Oncology, 2021, 8, 1877076. | 0.7 | 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 |