# Jason C Mills

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2587286/publications.pdf

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|---|---|---|---|
| 93 papers | 4,792 citations | 101543 36 h-index | 102487 66 g-index |
| 97 all docs | 97 docs citations | 97 times ranked | 4228 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Differentiated Troy+ Chief Cells Act as Reserve Stem Cells to Generate All Lineages of the Stomach Epithelium. Cell, 2013, 155, 357-368. | 28.9 | 445 |
| 2 | Mature Chief Cells Are Cryptic Progenitors for Metaplasia in the Stomach. Gastroenterology, 2010, 139, 2028-2037.e9. | 1.3 | 228 |
| 3 | Extranuclear Apoptosis. Journal of Cell Biology, 1999, 146, 703-708. | 5.2 | 227 |
| 4 | Gastric Epithelial Stem Cells. Gastroenterology, 2011, 140, 412-424. | 1.3 | 202 |
| 5 | Tamoxifen Induces Rapid, Reversible Atrophy, and Metaplasia in Mouse Stomach. Gastroenterology, 2012, 142, 21-24.e7. | 1.3 | 191 |
| 6 | Spasmolytic Polypeptide-Expressing Metaplasia and Intestinal Metaplasia: Time for Reevaluation of Metaplasias and the Origins of Gastric Cancer. Gastroenterology, 2010, 138, 2207-2210.e1. | 1.3 | 183 |
| 7 | The maturation of mucus-secreting gastric epithelial progenitors into digestive-enzyme secreting zymogenic cells requires Mist1. Development (Cambridge), 2007, 134, 211-222. | 2.5 | 159 |
| 8 | A Molecular Signature of Gastric Metaplasia Arising in Response to Acute Parietal Cell Loss. Gastroenterology, 2008, 134, 511-522. | 1.3 | 146 |
| 9 | Regenerative proliferation of differentiated cells by <scp>mTORC</scp> 1â€dependent paligenosis. EMBO Journal, 2018, 37, . | 7.8 | 132 |
| 10 | Reserve stem cells: Differentiated cells reprogram to fuel repair, metaplasia, and neoplasia in the adult gastrointestinal tract. Science Signaling, 2015, 8, re8. | 3.6 | 111 |
| 11 | The origin of pre-neoplastic metaplasia in the stomach: Chief cells emerge from the Mist. Experimental Cell Research, 2011, 317, 2759-2764. | 2.6 | 107 |
| 12 | XBP1 Controls Maturation of Gastric Zymogenic Cells by Induction of MIST1 and Expansion of the Rough Endoplasmic Reticulum. Gastroenterology, 2010, 139, 2038-2049. | 1.3 | 105 |
| 13 | The Transcription Factor MIST1 Is a Novel Human Gastric Chief Cell Marker Whose Expression Is Lost in Metaplasia, Dysplasia, and Carcinoma. American Journal of Pathology, 2010, 177, 1514-1533. | 3.8 | 105 |
| 14 | A transgenic mouse model of metastatic carcinoma involving transdifferentiation of a gastric epithelial lineage progenitor to a neuroendocrine phenotype. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4471-4476. | 7.1 | 98 |
| 15 | The Hyaluronic Acid Receptor CD44 Coordinates Normal and Metaplastic Gastric Epithelial Progenitor Cell Proliferation. Journal of Biological Chemistry, 2013, 288, 16085-16097. | 3.4 | 97 |
| 16 | Molecular characterization of mouse gastric epithelial progenitor cells. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14819-14824. | 7.1 | 93 |
| 17 | RAB26 and RAB3D Are Direct Transcriptional Targets of MIST1 That Regulate Exocrine Granule Maturation. Molecular and Cellular Biology, 2010, 30, 1269-1284. | 2.3 | 88 |
| 18 | Acid and the basis for cellular plasticity and reprogramming in gastric repair and cancer. Nature Reviews Gastroenterology and Hepatology, 2018, 15, 257-273. | 17.8 | 83 |

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|---|---|---|---|
| 19 | The gastric epithelial progenitor cell niche and differentiation of the zymogenic (chief) cell lineage. Developmental Biology, 2009, 325, 211-224. | 2.0 | 80 |
| 20 | Metaplastic Cells in the Stomach Arise, Independently of Stem Cells, via Dedifferentiation or Transdifferentiation of Chief Cells. Gastroenterology, 2018, 154, 839-843.e2. | 1.3 | 80 |
| 21 | Stomach Organ and Cell Lineage Differentiation: FromÂEmbryogenesis to Adult Homeostasis. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 546-559. | 4.5 | 79 |
| 22 | Unintended targeting of Dmp1-Cre reveals a critical role for Bmpr1a signaling in the gastrointestinal mesenchyme of adult mice. Bone Research, 2017, 5, 16049. | 11.4 | 69 |
| 23 | Murine Models of Gastric Corpus Preneoplasia. Cellular and Molecular Gastroenterology and Hepatology, 2017, 3, 11-26. | 4.5 | 66 |
| 24 | Proliferation and Differentiation of Gastric Mucous Neck and Chief Cells During Homeostasis and Injury-induced Metaplasia. Gastroenterology, 2020, 158, 598-609.e5. | 1.3 | 62 |
| 25 | Inducible activation of Cre recombinase in adult mice causes gastric epithelial atrophy, metaplasia, and regenerative changes in the absence of â€œfloxedâ€•alleles. American Journal of Physiology - Renal Physiology, 2010, 299, G368-G380. | 3.4 | 61 |
| 26 | Cellular Plasticity, Reprogramming, and Regeneration: Metaplasia in the Stomach and Beyond. Gastroenterology, 2022, 162, 415-430. | 1.3 | 61 |
| 27 | A single transcription factor is sufficient to induce and maintain secretory cell architecture. Genes and Development, 2017, 31, 154-171. | 5.9 | 59 |
| 28 | Scaling factors: Transcription factors regulating subcellular domains. BioEssays, 2012, 34, 10-16. | 2.5 | 55 |
| 29 | Targeted Apoptosis of Parietal Cells Is Insufficient to Induce Metaplasia in Stomach. Gastroenterology, 2017, 152, 762-766.e7. | 1.3 | 52 |
| 30 | Interferonâ€Î³ directly induces gastric epithelial cell death and is required for progression to metaplasia. Journal of Pathology, 2019, 247, 513-523. | 4.5 | 52 |
| 31 | Single-Cell Transcriptional Analyses Identify Lineage-Specific Epithelial Responses to Inflammation and Metaplastic Development in the Gastric Corpus. Gastroenterology, 2020, 159, 2116-2129.e4. | 1.3 | 52 |
| 32 | Modeling Murine Gastric Metaplasia Through Tamoxifen-Induced Acute Parietal Cell Loss. Methods in Molecular Biology, 2016, 1422, 329-339. | 0.9 | 50 |
| 33 | Tropism for Spasmolytic Polypeptide-Expressing Metaplasia Allows Helicobacter pylori to Expand Its Intragastric Niche. Gastroenterology, 2019, 156, 160-174.e7. | 1.3 | 50 |
| 34 | A Dedicated Evolutionarily Conserved Molecular Network Licenses Differentiated Cells to Return to the Cell Cycle. Developmental Cell, 2020, 55, 178-194.e7. | 7.0 | 46 |
| 35 | Autoimmune Gastritis Mediated by CD4+ T Cells Promotes the Development of Gastric Cancer. Cancer Research, 2013, 73, 2117-2126. | 0.9 | 44 |
| 36 | Single-Cell Transcriptomics Reveals a Conserved Metaplasia Program in Pancreatic Injury. Gastroenterology, 2022, 162, 604-620.e20. | 1.3 | 43 |

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|---|---|---|---|
| 37 | Metaplasia in the Stomach Arises From Gastric Chief Cells. Cellular and Molecular Gastroenterology and Hepatology, 2017, 4, 85-88. | 4.5 | 41 |
| 38 | Nomenclature for cellular plasticity: are the terms as plastic as the cells themselves?. EMBO Journal, 2019, 38, e103148. | 7.8 | 40 |
| 39 | Apobec1 complementation factor (A1CF) and RBM47 interact in tissue-specific regulation of C to U RNA editing in mouse intestine and liver. Rna, 2019, 25, 70-81. | 3.5 | 39 |
| 40 | Interleukin 33 Triggers Early Eosinophil-Dependent Events Leading to Metaplasia in a Chronic Model of Gastritis-Prone Mice. Gastroenterology, 2021, 160, 302-316.e7. | 1.3 | 38 |
| 41 | DDIT4 Licenses Only Healthy Cells to Proliferate During Injury-induced Metaplasia. Gastroenterology, 2021, 160, 260-271.e10. | 1.3 | 38 |
| 42 | A Metformin-Responsive Metabolic Pathway Controls Distinct Steps in Gastric Progenitor Fate Decisions and Maturation. Cell Stem Cell, 2020, 26, 910-925.e6. | 11.1 | 37 |
| 43 | The ubiquitin ligase Mindbomb 1 coordinates gastrointestinal secretory cell maturation. Journal of Clinical Investigation, 2013, 123, 1475-1491. | 8.2 | 37 |
| 44 | Interleukin-17A Promotes Parietal Cell Atrophy by Inducing Apoptosis. Cellular and Molecular Gastroenterology and Hepatology, 2018, 5, 678-690.e1. | 4.5 | 35 |
| 45 | RAB26 coordinates lysosome traffic and mitochondrial localization. Journal of Cell Science, 2014, 127, 1018-32. | 2.0 | 34 |
| 46 | Osteopetrorickets due to Snx10 Deficiency in Mice Results from Both Failed Osteoclast Activity and Loss of Gastric Acid-Dependent Calcium Absorption. PLoS Genetics, 2015, 11, e1005057. | 3.5 | 32 |
| 47 | Plasticity of differentiated cells in wound repair and tumorigenesis, part II: skin and intestine. DMM Disease Models and Mechanisms, 2018, 11, . | 2.4 | 32 |
| 48 | Molecular Characterization of Mouse Gastric Zymogenic Cells. Journal of Biological Chemistry, 2003, 278, 46138-46145. | 3.4 | 31 |
| 49 | Establishment of novel in vitro mouse chief cell and SPEM cultures identifies MAL2 as a marker of metaplasia in the stomach. American Journal of Physiology - Renal Physiology, 2014, 307, G777-G792. | 3.4 | 28 |
| 50 | Maturity and age influence chief cell ability to transdifferentiate into metaplasia. American Journal of Physiology - Renal Physiology, 2017, 312, G67-G76. | 3.4 | 28 |
| 51 | Cystine/Glutamate Antiporter (xCT) Is Required for Chief Cell Plasticity After Gastric Injury. Cellular and Molecular Gastroenterology and Hepatology, 2019, 8, 379-405. | 4.5 | 28 |
| 52 | Diverse Adult Stem Cells Share Specific Higher-Order Patterns of Gene Expression. Stem Cells, 2008, 26, 2124-2130. | 3.2 | 26 |
| 53 | Transcriptional Regulation of X-Box-binding Protein One (XBP1) by Hepatocyte Nuclear Factor 4Î± (HNF4Î') Is Vital to Beta-cell Function. Journal of Biological Chemistry, 2016, 291, 6146-6157. | 3.4 | 25 |
| 54 | Plasticity of differentiated cells in wound repair and tumorigenesis, part I: stomach and pancreas. DMM Disease Models and Mechanisms, 2018, 11, . | 2.4 | 24 |

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|---|---|---|---|
| 55 | Transcription factor MIST1 in terminal differentiation of mouse and human plasma cells. Physiological Genomics, 2011, 43, 174-186. | 2.3 | 23 |
| 56 | Hepatocyte nuclear factor 4Î± is required for cell differentiation and homeostasis in the adult mouse gastric epithelium. American Journal of Physiology - Renal Physiology, 2016, 311, G267-G275. | 3.4 | 21 |
| 57 | Apobec1 complementation factor overexpression promotes hepatic steatosis, fibrosis, and hepatocellular cancer. Journal of Clinical Investigation, 2021, 131, . | 8.2 | 21 |
| 58 | Paligenosis: Cellular Remodeling During Tissue Repair. Annual Review of Physiology, 2022, 84, 461-483. | 13.1 | 20 |
| 59 | Are Gastric and Esophageal Metaplasia Relatives? The Case for Barrettâ€™s Stemming from SPEM. Digestive Diseases and Sciences, 2018, 63, 2028-2041. | 2.3 | 17 |
| 60 | ATF3 induces RAB7 to govern autodegradation in paligenosis, a conserved cell plasticity program. EMBO Reports, 2021, 22, e51806. | 4.5 | 17 |
| 61 | The cyclical hit model. Current Opinion in Gastroenterology, 2019, 35, 363-370. | 2.3 | 16 |
| 62 | Interleukin 27 Protects From Gastric Atrophy and Metaplasia During Chronic Autoimmune Gastritis. Cellular and Molecular Gastroenterology and Hepatology, 2020, 10, 561-579. | 4.5 | 15 |
| 63 | Evolution of the human gastrokine locus and confounding factors regarding the pseudogenicity ofGKN3. Physiological Genomics, 2013, 45, 667-683. | 2.3 | 14 |
| 64 | Autophagy repurposes cells during paligenosis. Autophagy, 2021, 17, 588-589. | 9.1 | 14 |
| 65 | A Role for Salivary Peptides in the Innate Defense Against Enterotoxigenic Escherichia coli. Journal of Infectious Diseases, 2018, 217, 1435-1441. | 4.0 | 13 |
| 66 | Gastric Organoids: Progress and Remaining Challenges. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 19-33. | 4.5 | 10 |
| 67 | Implantable synthetic organoid matrices for intestinal regeneration. Nature Cell Biology, 2017, 19, 1307-1308. | 10.3 | 9 |
| 68 | Past Questions and Current Understanding About Gastric Cancer. Gastroenterology, 2018, 155, 939-944. | 1.3 | 9 |
| 69 | ELAPOR1 is a secretory granule maturation-promoting factor that is lost during paligenosis. American Journal of Physiology - Renal Physiology, 2022, 322, G49-G65. | 3.4 | 9 |
| 70 | Identification of alanyl aminopeptidase (CD13) as a surface marker for isolation of mature gastric zymogenic chief cells. American Journal of Physiology - Renal Physiology, 2015, 309, G955-G964. | 3.4 | 8 |
| 71 | Cellular plasticity at the nexus of development and disease. Development (Cambridge), 2021, 148, . | 2.5 | 8 |
| 72 | CD36 maintains the gastric mucosa and associates with gastric disease. Communications Biology, 2021, 4, 1247. | 4.4 | 8 |

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|---|---|---|---|
| 73 | Regulation of the double-stranded RNA response through ADAR1 licenses metaplastic reprogramming in gastric epithelium. JCI Insight, 2022, 7, . | 5.0 | 8 |
| 74 | Isthmus Time Is Here: Runx1 Identifies Mucosal Stem Cells in theÂGastric Corpus. Gastroenterology, 2017, 152, 16-19. | 1.3 | 7 |
| 75 | Tumor organoids to study gastroesophageal cancer: a primer. Journal of Molecular Cell Biology, 2020, 12, 593-606. | 3.3 | 7 |
| 76 | mAb Das-1 identifies pancreatic ductal adenocarcinoma and high-grade pancreatic intraepithelial neoplasia with high accuracy. Human Pathology, 2021, 111, 36-44. | 2.0 | 7 |
| 77 | Increased IFRD1 Expression in Human Colon Cancers Predicts Reduced Patient Survival. Digestive Diseases and Sciences, 2017, 62, 3460-3467. | 2.3 | 6 |
| 78 | Tropism of Severe Acute Respiratory Syndrome Coronavirus 2 for Barrettâ€™s Esophagus May Increase Susceptibility to Developing Coronavirus Disease 2019. Gastroenterology, 2021, 160, 2165-2168.e4. | 1.3 | 6 |
| 79 | A chief source of cancer and repair in stomachs. EMBO Journal, 2017, 36, 2318-2320. | 7.8 | 5 |
| 80 | mAb Das-1 recognizes 3â€™-Sulfated Lewis A/C, which is aberrantly expressed during metaplastic and oncogenic transformation of several gastrointestinal Epithelia. PLoS ONE, 2021, 16, e0261082. | 2.5 | 5 |
| 81 | Cell plasticity in regeneration in the stomach and beyond. Current Opinion in Genetics and Development, 2022, 75, 101948. | 3.3 | 5 |
| 82 | Healthy skin rejects cancer. Nature, 2017, 548, 289-290. | 27.8 | 3 |
| 83 | Stomach growth in a dish. Nature, 2017, 541, 160-161. | 27.8 | 2 |
| 84 | Calcified, top secretion only: epithelial repair in gastric organoids requires calcium mobilization. Journal of Physiology, 2019, 597, 2617-2618. | 2.9 | 2 |
| 85 | A Perfect Match: Explant and Organoid Systems Help Study Cytokines in Sickness and Health. Cellular and Molecular Gastroenterology and Hepatology, 2017, 3, 4-5. | 4.5 | 1 |
| 86 | DeMISTifying Paneth Cell Maturation. Cellular and Molecular Gastroenterology and Hepatology, 2019, 8, 643-644. | 4.5 | 1 |
| 87 | Helicobacter pylori: preying on SIVA for survival in the stomach. Journal of Clinical Investigation, 2020, 130, 2183-2185. | 8.2 | 1 |
| 88 | Autophagy in cell plasticity with particular focus on paligenosis. , 2022, , 143-157. | | 0 |
| 89 | The presumptive gastric corpus stem cell population is CD44â€positive and expands during metaplasia via increased ERKâ€MAPK signaling. FASEB Journal, 2012, 26, 1160.3. | 0.5 | 0 |
| 90 | Ramucirumab and irinotecan in patients with previously treated gastroesophageal adenocarcinoma: Final analysis of a phase II trial.. Journal of Clinical Oncology, 2022, 40, 284-284. | 1.6 | 0 |

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|---|---|---|---|
| 91 | Metaplasiaâ€induced Epithelial Heterogeneity Directs Pancreatic Injury and Tumorigenesis. FASEB Journal, 2022, 36, . | 0.5 | 0 |
| 92 | Paligenosis: A conserved program differentiated cells use in regeneration and misuse in cancer. FASEB Journal, 2022, 36, . | 0.5 | 0 |
| 93 | Stroma New Tune: Emerging Role of PKA in Maintaining Gastric Homeostasis. Cellular and Molecular Gastroenterology and Hepatology, 2022, , . | 4.5 | 0 |