

John Carethers

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

123
papers

5,920
citations

41
h-index

74
g-index

143
ext. papers

7,143
ext. citations

8.5
avg, IF

6.55
L-index

#	Paper	IF	Citations
123	Genomic and epigenetic instability in colorectal cancer pathogenesis. <i>Gastroenterology</i> , 2008 , 135, 1079-993	13.3	666
122	Use of 5-fluorouracil and survival in patients with microsatellite-unstable colorectal cancer. <i>Gastroenterology</i> , 2004 , 126, 394-401	13.3	364
121	Mismatch repair proficiency and in vitro response to 5-fluorouracil. <i>Gastroenterology</i> , 1999 , 117, 123-31	13.3	347
120	Genetics and Genetic Biomarkers in Sporadic Colorectal Cancer. <i>Gastroenterology</i> , 2015 , 149, 1177-1190	13.3	259
119	Frequent inactivation of PTEN by promoter hypermethylation in microsatellite instability-high sporadic colorectal cancers. <i>Cancer Research</i> , 2004 , 64, 3014-21	10.1	248
118	Oxidative stress inactivates the human DNA mismatch repair system. <i>American Journal of Physiology - Cell Physiology</i> , 2002 , 283, C148-54	5.4	203
117	The biochemical basis of microsatellite instability and abnormal immunohistochemistry and clinical behavior in Lynch syndrome: from bench to bedside. <i>Familial Cancer</i> , 2008 , 7, 41-52	3	140
116	Loss of activin receptor type 2 protein expression in microsatellite unstable colon cancers. <i>Gastroenterology</i> , 2004 , 126, 654-9	13.3	125
115	Racial Disparity in Gastrointestinal Cancer Risk. <i>Gastroenterology</i> , 2017 , 153, 910-923	13.3	121
114	Prognostic significance of allelic loss at chromosome 18q21 for stage II colorectal cancer. <i>Gastroenterology</i> , 1998 , 114, 1188-95	13.3	119
113	Lynch syndrome and Lynch syndrome mimics: The growing complex landscape of hereditary colon cancer. <i>World Journal of Gastroenterology</i> , 2015 , 21, 9253-61	5.6	118
112	Cancer health disparities in racial/ethnic minorities in the United States. <i>British Journal of Cancer</i> , 2021 , 124, 315-332	8.7	110
111	The mismatch repair complex hMutS alpha recognizes 5-fluorouracil-modified DNA: implications for chemosensitivity and resistance. <i>Gastroenterology</i> , 2004 , 127, 1678-84	13.3	107
110	Experimental and clinical observations on frostbite. <i>Annals of Emergency Medicine</i> , 1987 , 16, 1056-62	2.1	102
109	Priority COVID-19 Vaccination for Patients with Cancer while Vaccine Supply Is Limited. <i>Cancer Discovery</i> , 2021 , 11, 233-236	24.4	95
108	Bone morphogenetic protein signaling and growth suppression in colon cancer. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 291, G135-45	5.1	81
107	RAS/ERK modulates TGFbeta-regulated PTEN expression in human pancreatic adenocarcinoma cells. <i>Carcinogenesis</i> , 2007 , 28, 2321-7	4.6	76

106	High incidence of microsatellite instability in colorectal cancer from African Americans. <i>Clinical Cancer Research</i> , 2003 , 9, 1112-7	12.9	73
105	Colorectal cancer prevention and treatment. <i>Gastroenterology</i> , 2000 , 118, S115-28	13.3	71
104	Screening for colorectal cancer in African Americans: determinants and rationale for an earlier age to commence screening. <i>Digestive Diseases and Sciences</i> , 2015 , 60, 711-21	4	65
103	Diet, lifestyle, and genomic instability in the North Carolina Colon Cancer Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2005 , 14, 429-36	4	65
102	Interleukin 6 alters localization of hMSH3, leading to DNA mismatch repair defects in colorectal cancer cells. <i>Gastroenterology</i> , 2015 , 148, 579-89	13.3	64
101	EMAST is a Form of Microsatellite Instability That is Initiated by Inflammation and Modulates Colorectal Cancer Progression. <i>Genes</i> , 2015 , 6, 185-205	4.2	63
100	Microsatellite alterations at selected tetranucleotide repeats are associated with morphologies of colorectal neoplasias. <i>Gastroenterology</i> , 2010 , 139, 1519-25	13.3	63
99	Chemotherapeutic implications in microsatellite unstable colorectal cancer. <i>Cancer Biomarkers</i> , 2006 , 2, 51-60	3.8	62
98	Calcium Promotes Human Gastric Cancer via a Novel Coupling of Calcium-Sensing Receptor and TRPV4 Channel. <i>Cancer Research</i> , 2017 , 77, 6499-6512	10.1	60
97	TGF-beta mediates PTEN suppression and cell motility through calcium-dependent PKC-alpha activation in pancreatic cancer cells. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 294, G899-905	5.1	58
96	Relationship of EMAST and microsatellite instability among patients with rectal cancer. <i>Journal of Gastrointestinal Surgery</i> , 2010 , 14, 1521-8	3.3	57
95	Influence of race on microsatellite instability and CD8+ T cell infiltration in colon cancer. <i>PLoS ONE</i> , 2014 , 9, e100461	3.7	56
94	Localization of the Bannayan-Riley-Ruvalcaba syndrome gene to chromosome 10q23. <i>Gastroenterology</i> , 1997 , 113, 1433-7	13.3	56
93	A meta-analysis of MSI frequency and race in colorectal cancer. <i>Oncotarget</i> , 2016 , 7, 34546-57	3.3	54
92	Causes of Socioeconomic Disparities in Colorectal Cancer and Intervention Framework and Strategies. <i>Gastroenterology</i> , 2020 , 158, 354-367	13.3	54
91	Molecular mechanisms underlying Ca ²⁺ -mediated motility of human pancreatic duct cells. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 299, C1493-503	5.4	53
90	The colorectal cancer immune microenvironment and approach to immunotherapies. <i>Future Oncology</i> , 2017 , 13, 1633-1647	3.6	49
89	Activin type 2 receptor restoration in MSI-H colon cancer suppresses growth and enhances migration with activin. <i>Gastroenterology</i> , 2007 , 132, 633-44	13.3	49

88	Toward a comprehensive and systematic methylome signature in colorectal cancers. <i>Epigenetics</i> , 2013 , 8, 807-15	5.7	47
87	Oxidative stress induces nuclear-to-cytosol shift of hMSH3, a potential mechanism for EMAST in colorectal cancer cells. <i>PLoS ONE</i> , 2012 , 7, e50616	3.7	45
86	Systemic treatment of advanced colorectal cancer: tailoring therapy to the tumor. <i>Therapeutic Advances in Gastroenterology</i> , 2008 , 1, 33-42	4.7	44
85	Influence of target gene mutations on survival, stage and histology in sporadic microsatellite unstable colon cancers. <i>International Journal of Cancer</i> , 2006 , 118, 2509-13	7.5	44
84	Charting the Future of Cancer Health Disparities Research: A Position Statement From the American Association for Cancer Research, the American Cancer Society, the American Society of Clinical Oncology, and the National Cancer Institute. <i>Journal of Clinical Oncology</i> , 2017 , 35, 3075-3082	2.2	41
83	Insights into disparities observed with COVID-19. <i>Journal of Internal Medicine</i> , 2021 , 289, 463-473	10.8	40
82	Microsatellite instability, EMAST, and morphology associations with T cell infiltration in colorectal neoplasia. <i>Digestive Diseases and Sciences</i> , 2012 , 57, 72-8	4	37
81	DNA mismatch repair proficiency executing 5-fluorouracil cytotoxicity in colorectal cancer cells. <i>Cancer Biology and Therapy</i> , 2011 , 12, 756-64	4.6	36
80	Microsatellite Instability Pathway and EMAST in Colorectal Cancer. <i>Current Colorectal Cancer Reports</i> , 2017 , 13, 73-80	1	35
79	Effect of H ₂ O ₂ on cell cycle and survival in DNA mismatch repair-deficient and -proficient cell lines. <i>Cancer Letters</i> , 2003 , 195, 243-51	9.9	34
78	Cancer Stem-like Properties in Colorectal Cancer Cells with Low Proteasome Activity. <i>Clinical Cancer Research</i> , 2016 , 22, 5277-5286	12.9	34
77	Charting the future of cancer health disparities research: A position statement from the American Association for Cancer Research, the American Cancer Society, the American Society of Clinical Oncology, and the National Cancer Institute. <i>Ca-A Cancer Journal for Clinicians</i> , 2017 , 67, 353-361	220.7	33
76	Charting the Future of Cancer Health Disparities Research: A Position Statement from the American Association for Cancer Research, the American Cancer Society, the American Society of Clinical Oncology, and the National Cancer Institute. <i>Cancer Research</i> , 2017 , 77, 4548-4555	10.1	31
75	Efficacy of Adjuvant 5-Fluorouracil Therapy for Patients with EMAST-Positive Stage II/III Colorectal Cancer. <i>PLoS ONE</i> , 2015 , 10, e0127591	3.7	31
74	The cellular and molecular pathogenesis of colorectal cancer. <i>Gastroenterology Clinics of North America</i> , 1996 , 25, 737-54	4.4	29
73	Both hMutS α and hMutS β DNA mismatch repair complexes participate in 5-fluorouracil cytotoxicity. <i>PLoS ONE</i> , 2011 , 6, e28117	3.7	29
72	Inflammation-associated microsatellite alterations: Mechanisms and significance in the prognosis of patients with colorectal cancer. <i>World Journal of Gastrointestinal Oncology</i> , 2018 , 10, 1-14	3.4	28
71	Infection in Colorectal Cancer: Linking Inflammation, DNA Mismatch Repair and Genetic and Epigenetic Alterations. <i>Journal of the Anus, Rectum and Colon</i> , 2018 , 2, 37-46	3.7	26

70	TGFbeta modulates PTEN expression independently of SMAD signaling for growth proliferation in colon cancer cells. <i>Cancer Biology and Therapy</i> , 2008 , 7, 1694-9	4.6	26
69	Fecal DNA Testing for Colorectal Cancer Screening. <i>Annual Review of Medicine</i> , 2020 , 71, 59-69	17.4	26
68	Microsatellite Alterations With Allelic Loss at 9p24.2 Signify Less-Aggressive Colorectal Cancer Metastasis. <i>Gastroenterology</i> , 2016 , 150, 944-55	13.3	25
67	DNA testing and molecular screening for colon cancer. <i>Clinical Gastroenterology and Hepatology</i> , 2014 , 12, 377-81	6.9	25
66	Clinical and Genetic Factors to Inform Reducing Colorectal Cancer Disparities in African Americans. <i>Frontiers in Oncology</i> , 2018 , 8, 531	5.3	25
65	Disparities in Cancer Prevention in the COVID-19 Era. <i>Cancer Prevention Research</i> , 2020 , 13, 893-896	3.2	24
64	Mutation rates of TGFBR2 and ACVR2 coding microsatellites in human cells with defective DNA mismatch repair. <i>PLoS ONE</i> , 2008 , 3, e3463	3.7	22
63	Germline characterization of early-aged onset of hereditary non-polyposis colorectal cancer. <i>Journal of Pediatrics</i> , 2001 , 138, 629-35	3.6	21
62	Anti-proliferative Effects of Nucleotides on Gastric Cancer via a Novel P2Y6/SOCE/Ca/Eatenin Pathway. <i>Scientific Reports</i> , 2017 , 7, 2459	4.9	20
61	VPAC1 couples with TRPV4 channel to promote calcium-dependent gastric cancer progression via a novel autocrine mechanism. <i>Oncogene</i> , 2019 , 38, 3946-3961	9.2	20
60	Activin signaling in microsatellite stable colon cancers is disrupted by a combination of genetic and epigenetic mechanisms. <i>PLoS ONE</i> , 2009 , 4, e8308	3.7	20
59	Evidence for an hMSH3 defect in familial hamartomatous polyps. <i>Cancer</i> , 2011 , 117, 492-500	6.4	19
58	Tobacco smoking and risk of recurrence for squamous cell cancer of the anus. <i>Cancer Detection and Prevention</i> , 2008 , 32, 116-20		19
57	Decreased Anti-Tumor Cytotoxic Immunity among Microsatellite-Stable Colon Cancers from African Americans. <i>PLoS ONE</i> , 2016 , 11, e0156660	3.7	18
56	John Cunningham virus T-antigen expression in anal carcinoma. <i>Cancer</i> , 2011 , 117, 2379-85	6.4	17
55	Both microsatellite length and sequence context determine frameshift mutation rates in defective DNA mismatch repair. <i>Human Molecular Genetics</i> , 2010 , 19, 2638-47	5.6	17
54	Similarities in Risk for COVID-19 and Cancer Disparities. <i>Clinical Cancer Research</i> , 2021 , 27, 24-27	12.9	17
53	Proteomics, genomics, and molecular biology in the personalized treatment of colorectal cancer. <i>Journal of Gastrointestinal Surgery</i> , 2012 , 16, 1648-50	3.3	16

52	Human pancreatic adenocarcinomas express parathyroid hormone-related protein. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001 , 86, 310-6	5.6	16
51	Intersection of transforming growth factor-beta and Wnt signaling pathways in colorectal cancer and metastasis. <i>Gastroenterology</i> , 2009 , 137, 33-6	13.3	15
50	HEREDITARY, SPORADIC AND METASTATIC COLORECTAL CANCER ARE COMMONLY DRIVEN BY SPECIFIC SPECTRUMS OF DEFECTIVE DNA MISMATCH REPAIR COMPONENTS. <i>Transactions of the American Clinical and Climatological Association</i> , 2016 , 127, 81-97	0.9	15
49	Detection of multiple human papillomavirus genotypes in anal carcinoma. <i>Infectious Agents and Cancer</i> , 2010 , 5, 17	3.5	14
48	Cyclooxygenase-2 expression in polyps from a patient with juvenile polyposis syndrome with mutant BMPR1A. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2007 , 44, 318-25	2.8	14
47	Inflammation-Associated Microsatellite Alterations Caused by MSH3 Dysfunction Are Prevalent in Ulcerative Colitis and Increase With Neoplastic Advancement. <i>Clinical and Translational Gastroenterology</i> , 2019 , 10, e00105	4.2	14
46	Calcium sensing receptor suppresses human pancreatic tumorigenesis through a novel NCX1/Ca(2+)/Ectenin signaling pathway. <i>Cancer Letters</i> , 2016 , 377, 44-54	9.9	11
45	Immune-Related Gene Expression and Cytokine Secretion Is Reduced Among African American Colon Cancer Patients. <i>Frontiers in Oncology</i> , 2020 , 10, 1498	5.3	11
44	Altered ARID1A expression in colorectal cancer. <i>BMC Cancer</i> , 2020 , 20, 350	4.8	10
43	Unwinding the heterogeneous nature of hamartomatous polyposis syndromes. <i>JAMA - Journal of the American Medical Association</i> , 2005 , 294, 2498-500	27.4	10
42	Cyclin E and histone H3 levels are regulated by 5-fluorouracil in a DNA mismatch repair-dependent manner. <i>Cancer Biology and Therapy</i> , 2010 , 10, 1147-56	4.6	9
41	Should African Americans be screened for colorectal cancer at an earlier age?. <i>Nature Reviews Gastroenterology & Hepatology</i> , 2005 , 2, 352-3		9
40	Production of truncated MBD4 protein by frameshift mutation in DNA mismatch repair-deficient cells enhances 5-fluorouracil sensitivity that is independent of hMLH1 status. <i>Cancer Biology and Therapy</i> , 2016 , 17, 760-8	4.6	9
39	The Human DNA Mismatch Repair Protein MSH3 Contains Nuclear Localization and Export Signals That Enable Nuclear-Cytosolic Shuttling in Response to Inflammation. <i>Molecular and Cellular Biology</i> , 2020 , 40,	4.8	9
38	Genetics, Genetic Testing, and Biomarkers of Digestive Diseases. <i>Gastroenterology</i> , 2015 , 149, 1131-3	13.3	8
37	Acidic tumor microenvironment downregulates hMLH1 but does not diminish 5-fluorouracil chemosensitivity. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2013 , 747-748, 19-27	3.3	8
36	Diversification in the medical sciences fuels growth of physician-scientists. <i>Journal of Clinical Investigation</i> , 2019 , 129, 5051-5054	15.9	8
35	infection correlates with two types of microsatellite alterations in colorectal cancer and triggers DNA damage. <i>Gut Pathogens</i> , 2020 , 12, 46	5.4	8

34	Tetranucleotide Microsatellite Mutational Behavior Assessed in Real Time: Implications for Future Microsatellite Panels. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020 , 9, 689-704	7.9	7
33	frameshift mutation caused by DNA mismatch repair deficiency enhances cytotoxicity by trifluridine, an active antitumor agent of TAS-102, in colorectal cancer cells. <i>Oncotarget</i> , 2018 , 9, 11477-11488	3.3	7
32	Massive secretory diarrhea and pseudo-obstruction as the initial presentation of Crohn's disease. <i>Journal of Clinical Gastroenterology</i> , 1996 , 23, 55-9	3	7
31	Current Approaches to Germline Cancer Genetic Testing. <i>Annual Review of Medicine</i> , 2020 , 71, 85-102	17.4	7
30	The Clarion Call of the COVID-19 Pandemic: How Medical Education Can Mitigate Racial and Ethnic Disparities. <i>Academic Medicine</i> , 2021 , 96, 1518-1523	3.9	7
29	High predictability for identifying Lynch syndrome via microsatellite instability testing or immunohistochemistry in all Lynch-associated tumor types. <i>Translational Cancer Research</i> , 2019 , 8, S559-S563	0.3	7
28	Rising Incidence of Colorectal Cancer in Young Adults Corresponds With Increasing Surgical Resections in Obese Patients. <i>Clinical and Translational Gastroenterology</i> , 2020 , 11, e00160	4.2	7
27	International Exchange and American Medicine. <i>New England Journal of Medicine</i> , 2017 , 376, e40	59.2	6
26	Flanking nucleotide specificity for DNA mismatch repair-deficient frameshifts within activin receptor 2 (ACVR2). <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012 , 729, 73-80	3.3	6
25	Secondary Prevention of Colorectal Cancer: Is There an Optimal Follow-up for Patients with Colorectal Cancer?. <i>Current Colorectal Cancer Reports</i> , 2010 , 6, 24-29	1	6
24	Gender Differences in Endowed Chairs in Medicine at Top Schools. <i>JAMA Internal Medicine</i> , 2020 , 180, 1391-1394	11.5	6
23	Molecular Characterization of Sessile Serrated Adenoma/Polyps From a Large African American Cohort. <i>Gastroenterology</i> , 2019 , 157, 572-574	13.3	5
22	Biomarker-directed Targeted Therapy in Colorectal Cancer. <i>Journal of Digestive Cancer Reports</i> , 2015 , 3, 5-10		5
21	Co-morbid risk factors and NSAID use among white and black Americans that predicts overall survival from diagnosed colon cancer. <i>PLoS ONE</i> , 2020 , 15, e0239676	3.7	5
20	Toward realizing diversity in academic medicine. <i>Journal of Clinical Investigation</i> , 2020 , 130, 5626-5628	15.9	4
19	Current and Future Role of the Gastroenterologist in GI Cancer Management. <i>Journal of Digestive Cancer Reports</i> , 2013 , 1, 78-81		3
18	Elevated Risk for Sessile Serrated Polyps in African Americans with Endometrial Polyps. <i>Digestive Diseases and Sciences</i> , 2020 , 65, 2686-2690	4	3
17	Bone morphogenetic protein and activin signaling in colorectal cancer. <i>Current Colorectal Cancer Reports</i> , 2008 , 4, 71-76	1	2

16	The imperative to invest in science has never been greater. <i>Journal of Clinical Investigation</i> , 2014 , 124, 3680-1	15.9	2
15	Immunological Features with DNA Microsatellite Alterations in Patients with Colorectal Cancer 2020 , 2, 116-127		2
14	Images in clinical medicine. Extraintestinal manifestations of Crohn's disease. <i>New England Journal of Medicine</i> , 1994 , 330, 1870	59.2	1
13	Association of Human Papillomavirus Genotype 16 Lineages With Anal Cancer Histologies Among African Americans. <i>Gastroenterology</i> , 2021 , 160, 922-924	13.3	1
12	Racial and ethnic disparities in colorectal cancer incidence and mortality. <i>Advances in Cancer Research</i> , 2021 , 151, 197-229	5.9	1
11	Rectifying COVID-19 disparities with treatment and vaccination. <i>JCI Insight</i> , 2021 , 6,	9.9	1
10	Voices for Social Justice and Against Racism: An AAIM Perspective. <i>American Journal of Medicine</i> , 2021 , 134, 930-934	2.4	0
9	Epidemiology and biology of early onset colorectal cancer.. <i>EXCLI Journal</i> , 2022 , 21, 162-182	2.4	0
8	Martin F. Kagnoff, MD, January 19, 1941--November 16, 2014. <i>Gastroenterology</i> , 2015 , 148, 457-8	13.3	
7	Cancer of the Colon and Gastrointestinal Tract 2013 , 1-35		
6	Neoplasia 2010 , 39-43		
5	Small interfering RNA technology in pancreatic ductal epithelial cells: future cancer therapy. <i>Journal of Organ Dysfunction</i> , 2008 , 4, 249-256		
4	Neoplasia of the Gastrointestinal Tract 603-634		
3	The United States System for Training of Gastroenterologists in Oncology. <i>Journal of Digestive Cancer Reports</i> , 2014 , 2, 11-14		
2	Neoplasia 2016 , 198-200		
1	Presentation of the Julius M. Friedenwald Medal to C. Richard Boland, MD, AGAF. <i>Gastroenterology</i> , 2016 , 150, 1673-1677	13.3	