Aaron Pollett

List of Publications by Year
in descending order

85 papers	9,000 citations	101384 36 h-index	60497 81 g-index
86 all docs	86 docs citations	86 times ranked	14335 citing authors

#	Article	IF	Citations
1	A human colon cancer cell capable of initiating tumour growth in immunodeficient mice. Nature, 2007, 445, 106-110.	13.7	3,765
2	Variable Clonal Repopulation Dynamics Influence Chemotherapy Response in Colorectal Cancer. Science, 2013, 339, 543-548.	6.0	691
3	Feasibility and diagnostic performance of the FibroScan XL probe for liver stiffness measurement in overweight and obese patients. Hepatology, 2012, 55, 199-208.	3.6	418
4	Combined hereditary and somatic mutations of replication error repair genes result in rapid onset of ultra-hypermutated cancers. Nature Genetics, 2015, 47, 257-262.	9.4	306
5	Pathology Features in Bethesda Guidelines Predict Colorectal Cancer Microsatellite Instability: A Population-Based Study. Gastroenterology, 2007, 133, 48-56.	0.6	302
6	Controlled Attenuation Parameter (CAP): a noninvasive method for the detection of hepatic steatosis based on transient elastography. Liver International, 2012, 32, 902-910.	1.9	283
7	Association of Distinct Mutational Signatures With Correlates of Increased Immune Activity in Pancreatic Ductal Adenocarcinoma. JAMA Oncology, 2017, 3, 774.	3.4	221
8	Plk4 haploinsufficiency causes mitotic infidelity and carcinogenesis. Nature Genetics, 2005, 37, 883-888.	9.4	189
9	Genetic and clinical determinants of constitutional mismatch repair deficiency syndrome: Report from the constitutional mismatch repair deficiency consortium. European Journal of Cancer, 2014, 50, 987-996.	1.3	180
10	Discordance in fibrosis staging between liver biopsy and transient elastography using the FibroScan XL probe. Journal of Hepatology, 2012, 56, 564-570.	1.8	126
11	Gastrointestinal cancers and neurofibromatosis type 1 features in children with a germline homozygous MLH1 mutation. Gastroenterology, 2004, 126, 576-585.	0.6	117
12	Performance characteristics of screening strategies for Lynch syndrome in unselected women with newly diagnosed endometrial cancer who have undergone universal germline mutation testing. Cancer, 2014, 120, 3932-3939.	2.0	114
13	ARID1A loss correlates with mismatch repair deficiency and intact p53 expression in high-grade endometrial carcinomas. Modern Pathology, 2014, 27, 255-261.	2.9	110
14	The Histomorphology of Lynch Syndromeâ€“associated Ovarian Carcinomas. American Journal of Surgical Pathology, 2014, 38, 1173-1181.	2.1	108
15	Venous Invasion in Colorectal Cancer. American Journal of Surgical Pathology, 2013, 37, 200-210.	2.1	92
16	Plk4 is required for cytokinesis and maintenance of chromosomal stability. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6888-6893.	3.3	91
17	Phenotypic and genotypic characterisation of biallelic mismatch repair deficiency (BMMR-D) syndrome. European Journal of Cancer, 2015, 51, 977-983.	1.3	87
18	Chemotherapy-induced Liver Injury in Metastatic Colorectal Cancer: Semiquantitative Histologic Analysis of 334 Resected Liver Specimens Shows That Vascular Injury but not Steatohepatitis Is Associated With Preoperative Chemotherapy. American Journal of Surgical Pathology, 2010, 34, 784-791.	2.1	85

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19	Patients with Lynch Syndrome Mismatch Repair Gene Mutations Are at Higher Risk for Not Only Upper Tract Urothelial Cancer but Also Bladder Cancer. European Urology, 2013, 63, 379-385.	0.9	85
20	Promoter methylation of Wnt antagonistsDKK1andSFRP1is associated with opposing tumor subtypes in two large populations of colorectal cancer patients. Carcinogenesis, 2011, 32, 741-747.	1.3	74
21	Comparison of clinical schemas and morphologic features in predicting Lynch syndrome in mutationâ€positive patients with endometrial cancer encountered in the context of familial gastrointestinal cancer registries. Cancer, 2012, 118, 681-688.	2.0	71
22	Prevalence of Loss of Expression of DNA Mismatch Repair Proteins in Primary Epithelial Ovarian Tumors. International Journal of Gynecological Pathology, 2012, 31, 524-531.	0.9	66
23	The genetic basis of colorectal cancer in a population-based incident cohort with a high rate of familial disease. Gut, 2010, 59, 1369-1377.	6.1	65
24	Germline BRCA1 mutations predispose to pancreatic adenocarcinoma. Human Genetics, 2008, 124, 271-278.	1.8	64
25	Exacerbated tissue destruction in DSS-induced acute colitis of OPN-null mice is associated with downregulation of TNF-Î± expression and non-programmed cell death. Journal of Cellular Physiology, 2006, 208, 629-639.	2.0	62
26	Highâ€grade papillary cystadenocarcinoma of the tongue. Histopathology, 1997, 31, 185-188.	1.6	61
27	Tumor Microsatellite Instability in Early Onset Gastric Cancer. Journal of Molecular Diagnostics, 2005, 7, 465-477.	1.2	58
28	Prognostic significance of mesenteric tumor nodules in patients with stage III colorectal cancer. Cancer, 2008, 112, 50-54.	2.0	54
29	Microsatellite Instability as a Prognostic Factor in Resected Colorectal Cancer Liver Metastases. Annals of Surgical Oncology, 2004, 11, 977-982.	0.7	53
30	Rhabdomyosarcoma in patients with constitutional mismatch-repair-deficiency syndrome. Journal of Medical Genetics, 2009, 46, 418-420.	1.5	53
31	High prevalence of adenomatous colorectal polyps in young cancer survivors treated with abdominal radiation therapy: results of a prospective trial. Gut, 2017, 66, 1797-1801.	6.1	48
32	High Frequency of Hereditary Colorectal Cancer in Newfoundland Likely Involves Novel Susceptibility Genes. Clinical Cancer Research, 2005, 11, 6853-6861.	3.2	46
33	Juvenile polyposis, hereditary hemorrhagic telangiectasia, and early onset colorectal cancer in patients with SMAD4 mutation. Journal of Gastroenterology, 2012, 47, 795-804.	2.3	46
34	High prevalence of mismatch repair deficiency in prostate cancers diagnosed in mismatch repair gene mutation carriers from the colon cancer family registry. Familial Cancer, 2014, 13, 573-582.	0.9	44
35	A Histology-Based Model for Predicting Microsatellite Instability in Colorectal Cancers. American Journal of Surgical Pathology, 2010, 34, 1820-1829.	2.1	38
36	Identification of genes expressed by immune cells of the colon that are regulated by colorectal cancerâ€associated variants. International Journal of Cancer, 2014, 134, 2330-2341.	2.3	38

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37	Pathological features of colorectal carcinomas in MYHâ€associated polyposis. Histopathology, 2008, 53, 184-194.	1.6	37
38	Digital pathology: Attitudes and practices in the Canadian pathology community. Journal of Pathology Informatics, 2013, 4, 3.	0.8	36
39	Prophylactic Total Gastrectomy: a Prospective Cohort Study of Long-Term Impact on Quality of Life. Journal of Gastrointestinal Surgery, 2016, 20, 1950-1958.	0.9	35
40	Ileal â€œcarcinoidâ€•tumorsâ€”small size belies deadly intent: high rate of nodal metastasis in tumors â‰¤1 cm in size. Human Pathology, 2016, 56, 123-127.	1.1	35
41	Specific Variants in the MLH1 Gene Region May Drive DNA Methylation, Loss of Protein Expression, and MSI-H Colorectal Cancer. PLoS ONE, 2010, 5, e13314.	1.1	35
42	Promoter methylation of Wnt5a is associated with microsatellite instability and BRAF V600E mutation in two large populations of colorectal cancer patients. British Journal of Cancer, 2011, 104, 1906-1912.	2.9	33
43	Targeting bivalency de-represses Indian Hedgehog and inhibits self-renewal of colorectal cancer-initiating cells. Nature Communications, 2019, 10, 1436.	5.8	33
44	Review of findings in prophylactic gynaecological specimens in <scp>L</scp>ynch syndrome with literature review and recommendations for grossing. Histopathology, 2014, 65, 228-239.	1.6	29
45	CafÃ©â€auâ€lait macules and pediatric malignancy caused by biallelic mutations in the DNA mismatch repair (MMR) gene PMS2. Pediatric Blood and Cancer, 2008, 50, 1268-1270.	0.8	24
46	Progression and Management of Duodenal Neoplasia in Familial Adenomatous Polyposis. Annals of Surgery, 2015, 261, 1138-1144.	2.1	24
47	Use of Mismatch Repair Immunohistochemistry and Microsatellite Instability Testing. American Journal of Surgical Pathology, 2012, 36, 560-569.	2.1	23
48	Mule Regulates the Intestinal Stem Cell Niche via the Wnt Pathway and Targets EphB3 for Proteasomal and Lysosomal Degradation. Cell Stem Cell, 2016, 19, 205-216.	5.2	21
49	Familial PDGFRA -mutation syndrome: somatic and gastrointestinal phenotype. Human Pathology, 2018, 76, 52-57.	1.1	21
50	Interobserver Agreement for Mismatch Repair Protein Immunohistochemistry in Endometrial and Nonserous, Nonmucinous Ovarian Carcinomas. American Journal of Surgical Pathology, 2019, 43, 591-600.	2.1	21
51	FAM46C/TENT5C functions as a tumor suppressor through inhibition of Plk4 activity. Communications Biology, 2020, 3, 448.	2.0	20
52	The Fatty Liver Index has limited utility for the detection and quantification of hepatic steatosis in obese patients. Hepatology International, 2013, 7, 592-599.	1.9	19
53	DNA Mismatch Repair Status Predicts Need for Future Colorectal Surgery for Metachronous Neoplasms in Young Individuals Undergoing Colorectal Cancer Resection. Diseases of the Colon and Rectum, 2015, 58, 645-652.	0.7	19
54	Assessment of Thin-Layer Breast Aspirates for Immunocytochemical Evaluation of HER2 Status. Acta Cytologica, 2003, 47, 979-984.	0.7	18

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55	Hepatic Adenomas Caused by Somatic HNF1A Mutations in Children With Biallelic Mismatch Repair Gene Mutations. Gastroenterology, 2011, 140, 735-736.	0.6	16
56	Mucinous Tumor of the Appendix with Limited Peritoneal Spread: Is There a Role for Expectant Observation?. Annals of Surgical Oncology, 2014, 21, 225-231.	0.7	15
57	Performance characteristics of screening strategies to identify Lynch syndrome in women with ovarian cancer. Cancer, 2020, 126, 4886-4894.	2.0	15
58	Correlation of p53 Mutations in ThinPrep-Processed Fine Needle Breast Aspirates with Surgically Resected Breast Cancers. Modern Pathology, 2000, 13, 1173-1179.	2.9	14
59	Genetic testing for Lynch syndrome in the province of Ontario. Cancer, 2016, 122, 1672-1679.	2.0	12
60	Tumor BRCA Testing in High Grade Serous Carcinoma: Mutation Rates and Optimal Tissue Requirements. Cancers, 2020, 12, 3468.	1.7	12
61	An Integrative DNA Sequencing and Methylation Panel to Assess Mismatch Repair Deficiency. Journal of Molecular Diagnostics, 2021, 23, 242-252.	1.2	12
62	Hereditary nonpolyposis colorectal cancerâ€"molecular basis. Surgery, 2003, 134, 29-33.	1.0	9
63	Quality Indicators for Gastric Cancer Surgery: A Survey of Practicing Pathologists in Ontario. Annals of Surgical Oncology, 2009, 16, 1883-1889.	0.7	9
64	Performance characteristics of a brief Family History Questionnaire to screen for Lynch syndrome in women with newly diagnosed endometrial cancer. Gynecologic Oncology, 2015, 136, 311-316.	0.6	9
65	Understanding the clinical implication of mismatch repair deficiency in endometrioid endometrial cancer through a prospective study. Gynecologic Oncology, 2021, 161, 221-227.	0.6	9
66	A Novel and Rapid Method of Determining the Effect of Unclassified MLH1 Genetic Variants on Differential Allelic Expression. Journal of Molecular Diagnostics, 2010, 12, 757-764.	1.2	8
67	Cost-effectiveness of Active Identification and Subsequent Colonoscopy Surveillance of Lynch Syndrome Cases. Clinical Gastroenterology and Hepatology, 2020, 18, 2760-2767.e12.	2.4	8
68	The impact of knowledge transfer on the detection of venous invasion in colorectal cancer. Human Pathology, 2017, 67, 45-53.	1.1	7
69	Learning by Example: An International Perspective on Reflex-Testing for Lynch Syndrome. Annals of Surgical Oncology, 2019, 26, 425-436.	0.7	7
70	A novel complex mutation in MSH2 contributes to both Muir-Torre and Lynch Syndrome. Journal of Human Genetics, 2010, 55, 37-41.	1.1	6
71	Maximizing cancer prevention through genetic navigation for Lynch syndrome detection in women with newly diagnosed endometrial and nonserous/nonmucinous epithelial ovarian cancer. Cancer, 2021, 127, 3082-3091.	2.0	6
72	Lynch syndrome in a predominantly Afrocentric population: a clinicopathological and genetic study. Canadian Journal of Surgery, 2012, 55, 294-300.	0.5	5

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73	Tumor site discordance in mismatch repair deficiency in synchronous endometrial and ovarian cancers. International Journal of Gynecological Cancer, 2020, 30, 1951-1958.	1.2	5
74	The Microenvironment-Specific Transformation of Adult Stem Cells Models Malignant Triton Tumors. PLoS ONE, 2013, 8, e82173.	1.1	5
75	Impact of Referral Center Pathology Review on Diagnosis and Management of Patients With Appendiceal Neoplasms. Archives of Pathology and Laboratory Medicine, 2020, 144, 764-768.	1.2	4
76	Colorectal Cancer: Microsatellite Instability/Mismatch Repair Testing in the Era of Digital Pathology. Gastroenterology, 2020, 159, 1235-1237.	0.6	4
77	Improving the quality of processing gastric cancer specimens: The pathologist's perspective. Journal of Surgical Oncology, 2010, 101, 195-199.	0.8	3
78	A descriptive analysis of gastric cancer specimen processing techniques. Journal of Surgical Oncology, 2011, 103, 248-256.	0.8	3
79	Retroperitoneal Pelvic Cyst: A Diagnostic and Therapeutic Challenge. Journal of Obstetrics and Gynaecology Canada, 2013, 35, 164-167.	0.3	1
80	Personalized Medicine: CCOâ€™s Vision, Accomplishments and Future Plans. Healthcare Quarterly, 2014, 17, 41-43.	0.7	1
81	Identification of a novel MSH6 germline variant in a family with multiple gastro-intestinal malignancies by next generation sequencing. Familial Cancer, 2015, 14, 69-75.	0.9	1
82	Sclerosing pancreatitis presenting as a periampullary tumour. Hpb, 2003, 5, 268-272.	0.1	0
83	Unifying Diagnosis for Adenomatous Polyps, CafÃ©-au-Lait Macules, and a Brain Mass?. Gastroenterology, 2013, 145, e3-e4.	0.6	0
84	Abstract B09: DNA polymerase mutations trigger rapid onset of ultra-hypermutant malignant brain tumors in children with biallelic mismatch repair deficiency. , 2015, , .		0
85	Brief family history questionnaire to screen for Lynch syndrome in women with newly diagnosed non-serous, non-mucinous ovarian cancers. International Journal of Gynecological Cancer, 2022, , ijgc-2021-003082.	1.2	0