

Matthias Kloor

List of Publications by Year in descending order

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Version: 2024-02-01

119
papers

9,151
citations

53660

45
h-index

43802

91
g-index

126
all docs

126
docs citations

126
times ranked

13358
citing authors

#	ARTICLE	IF	CITATIONS
1	Colorectal cancer. <i>Lancet, The</i> , 2014, 383, 1490-1502.	6.3	2,455
2	Potential of fecal microbiota for early-stage detection of colorectal cancer. <i>Molecular Systems Biology</i> , 2014, 10, 766.	3.2	991
3	Immune Response Against Frameshift-Induced Neopeptides in HNPCC Patients and Healthy HNPCC Mutation Carriers. <i>Gastroenterology</i> , 2008, 134, 988-997.	0.6	319
4	The Immune Biology of Microsatellite-Unstable Cancer. <i>Trends in Cancer</i> , 2016, 2, 121-133.	3.8	193
5	Efficacy of Annual Colonoscopic Surveillance in Individuals With Hereditary Nonpolyposis Colorectal Cancer. <i>Clinical Gastroenterology and Hepatology</i> , 2010, 8, 174-182.	2.4	160
6	Genotype-Phenotype Comparison of German MLH1 and MSH2 Mutation Carriers Clinically Affected With Lynch Syndrome: A Report by the German HNPCC Consortium. <i>Journal of Clinical Oncology</i> , 2006, 24, 4285-4292.	0.8	149
7	Prevalence of mismatch repair-deficient crypt foci in Lynch syndrome: a pathological study. <i>Lancet Oncology, The</i> , 2012, 13, 598-606.	5.1	147
8	Genetic Evolution of T-cell Resistance in the Course of Melanoma Progression. <i>Clinical Cancer Research</i> , 2014, 20, 6593-6604.	3.2	145
9	Immunoselective Pressure and Human Leukocyte Antigen Class I Antigen Machinery Defects in Microsatellite Unstable Colorectal Cancers. <i>Cancer Research</i> , 2005, 65, 6418-6424.	0.4	139
10	Overexpression of ZEB2 at the Invasion Front of Colorectal Cancer Is an Independent Prognostic Marker and Regulates Tumor Invasion <i>in Vitro</i> . <i>Clinical Cancer Research</i> , 2011, 17, 7654-7663.	3.2	132
11	Colorectal mixed adenoneuroendocrine carcinomas and neuroendocrine carcinomas are genetically closely related to colorectal adenocarcinomas. <i>Modern Pathology</i> , 2017, 30, 610-619.	2.9	131
12	Three molecular pathways model colorectal carcinogenesis in Lynch syndrome. <i>International Journal of Cancer</i> , 2018, 143, 139-150.	2.3	129
13	T25 Repeat in the 3' Untranslated Region of the CASP2 Gene: A Sensitive and Specific Marker for Microsatellite Instability in Colorectal Cancer. <i>Cancer Research</i> , 2005, 65, 8072-8078.	0.4	125
14	Immune evasion of microsatellite unstable colorectal cancers. <i>International Journal of Cancer</i> , 2010, 127, 1001-1010.	2.3	120
15	Spectrum and frequencies of mutations in MSH2 and MLH1 identified in 1,721 German families suspected of hereditary nonpolyposis colorectal cancer. <i>International Journal of Cancer</i> , 2005, 116, 692-702.	2.3	113
16	No Difference in Colorectal Cancer Incidence or Stage at Detection by Colonoscopy Among 3 Countries With Different Lynch Syndrome Surveillance Policies. <i>Gastroenterology</i> , 2018, 155, 1400-1409.e2.	0.6	112
17	Beta2-microglobulin mutations in microsatellite unstable colorectal tumors. <i>International Journal of Cancer</i> , 2007, 121, 454-458.	2.3	100
18	Novel strategy for optimal sequential application of clinical criteria, immunohistochemistry and microsatellite analysis in the diagnosis of hereditary nonpolyposis colorectal cancer. <i>International Journal of Cancer</i> , 2006, 118, 115-122.	2.3	98

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19	BRAF V600E-specific immunohistochemistry for the exclusion of Lynch syndrome in MSI-H colorectal cancer. <i>International Journal of Cancer</i> , 2013, 133, 1624-1630.	2.3	93
20	Statin Use and Survival After Colorectal Cancer: The Importance of Comprehensive Confounder Adjustment. <i>Journal of the National Cancer Institute</i> , 2015, 107, djv045.	3.0	91
21	Complex pattern of immune evasion in MSI colorectal cancer. <i>Oncolmmunology</i> , 2018, 7, e1445453.	2.1	90
22	A Frameshift Peptide Neoantigen-Based Vaccine for Mismatch Repair-Deficient Cancers: A Phase I/IIa Clinical Trial. <i>Clinical Cancer Research</i> , 2020, 26, 4503-4510.	3.2	81
23	The putative tumor suppressor <i>AIM2</i> is frequently affected by different genetic alterations in microsatellite unstable colon cancers. <i>Genes Chromosomes and Cancer</i> , 2007, 46, 1080-1089.	1.5	79
24	The shared frameshift mutation landscape of microsatellite-unstable cancers suggests immunoediting during tumor evolution. <i>Nature Communications</i> , 2020, 11, 4740.	5.8	78
25	Microsatellite instability of selective target genes in HNPCC-associated colon adenomas. <i>Oncogene</i> , 2005, 24, 2525-2535.	2.6	76
26	CTNNB1-mutant colorectal carcinomas with immediate invasive growth: a model of interval cancers in Lynch syndrome. <i>Familial Cancer</i> , 2016, 15, 579-586.	0.9	75
27	Microsatellite instability in the development of DNA mismatch repair deficient tumors. <i>Cancer Biomarkers</i> , 2006, 2, 69-86.	0.8	71
28	Mismatch repair deficiency is a rare but putative therapeutically relevant finding in non-liver fluke associated cholangiocarcinoma. <i>British Journal of Cancer</i> , 2019, 120, 109-114.	2.9	71
29	Genomic and transcriptomic heterogeneity of colorectal tumours arising in Lynch syndrome. <i>Journal of Pathology</i> , 2017, 243, 242-254.	2.1	69
30	Biallelic MLH1 SNP cDNA expression or constitutional promoter methylation can hide genomic rearrangements causing Lynch syndrome. <i>Journal of Medical Genetics</i> , 2011, 48, 513-519.	1.5	68
31	HLA class II antigen-processing pathway in tumors: Molecular defects and clinical relevance. <i>Oncolmmunology</i> , 2017, 6, e1171447.	2.1	64
32	The Association Between Mutations in BRAF and Colorectal Cancer-Specific Survival Depends on Microsatellite Status and Tumor Stage. <i>Clinical Gastroenterology and Hepatology</i> , 2019, 17, 455-462.e6.	2.4	62
33	Microsatellite instability in pulmonary adenocarcinomas: a comprehensive study of 480 cases. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2016, 468, 313-319.	1.4	60
34	Integrated analysis of the immunological and genetic status in and across cancer types: impact of mutational signatures beyond tumor mutational burden. <i>Oncolmmunology</i> , 2018, 7, e1526613.	2.1	60
35	Associations of Pathogenic Variants in MLH1, MSH2, and MSH6 With Risk of Colorectal Adenomas and Tumors and With Somatic Mutations in Patients With Lynch Syndrome. <i>Gastroenterology</i> , 2020, 158, 1326-1333.	0.6	60
36	Mismatch Repair-Deficient Crypt Foci in Lynch Syndrome Molecular Alterations and Association with Clinical Parameters. <i>PLoS ONE</i> , 2015, 10, e0121980.	1.1	57

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37	Recurrent Frameshift Neoantigen Vaccine Elicits Protective Immunity With Reduced Tumor Burden and Improved Overall Survival in a Lynch Syndrome Mouse Model. <i>Gastroenterology</i> , 2021, 161, 1288-1302.e13.	0.6	56
38	The "unnatural" history of colorectal cancer in Lynch syndrome: Lessons from colonoscopy surveillance. <i>International Journal of Cancer</i> , 2021, 148, 800-811.	2.3	55
39	Towards a vaccine to prevent cancer in Lynch syndrome patients. <i>Familial Cancer</i> , 2013, 12, 307-312.	0.9	54
40	Successful immune checkpoint blockade in a patient with advanced stage microsatellite-unstable biliary tract cancer. <i>Journal of Physical Education and Sports Management</i> , 2017, 3, a001974.	0.5	54
41	Clinical significance of microsatellite instability in colorectal cancer. <i>Langenbeck's Archives of Surgery</i> , 2014, 399, 23-31.	0.8	52
42	Smoking, alcohol consumption and colorectal cancer risk by molecular pathological subtypes and pathways. <i>British Journal of Cancer</i> , 2020, 122, 1604-1610.	2.9	52
43	Primary mismatch repair deficient IDH-mutant astrocytoma (PMMRDIA) is a distinct type with a poor prognosis. <i>Acta Neuropathologica</i> , 2021, 141, 85-100.	3.9	52
44	Genetics and epigenetics of small bowel adenocarcinoma: the interactions of CIN, MSI, and CIMP. <i>Modern Pathology</i> , 2011, 24, 564-570.	2.9	51
45	Prognostic significance of microsatellite instability in gastric and gastroesophageal junction cancer patients undergoing neoadjuvant chemotherapy. <i>International Journal of Cancer</i> , 2019, 144, 1697-1703.	2.3	51
46	Microsatellite Analysis of Hereditary Nonpolyposis Colorectal Cancer-Associated Colorectal Adenomas by Laser-Assisted Microdissection. <i>Journal of Molecular Diagnostics</i> , 2005, 7, 160-170.	1.2	49
47	The molecular basis of EPCAM expression loss in Lynch syndrome-associated tumors. <i>Modern Pathology</i> , 2012, 25, 911-916.	2.9	49
48	High numbers of PDCD1 (PD-1)-positive T cells and B2M mutations in microsatellite-unstable colorectal cancer. <i>Onc Immunology</i> , 2018, 7, e1390640.	2.1	48
49	Weakly supervised annotation-free cancer detection and prediction of genotype in routine histopathology. <i>Journal of Pathology</i> , 2022, 256, 50-60.	2.1	48
50	Serum antibodies against frameshift peptides in microsatellite unstable colorectal cancer patients with Lynch syndrome. <i>Familial Cancer</i> , 2010, 9, 173-179.	0.9	47
51	Lack of HLA class II antigen expression in microsatellite unstable colorectal carcinomas is caused by mutations in HLA class II regulatory genes. <i>International Journal of Cancer</i> , 2010, 127, 889-898.	2.3	46
52	Analysis of EPCAM Protein Expression in Diagnostics of Lynch Syndrome. <i>Journal of Clinical Oncology</i> , 2011, 29, 223-227.	0.8	46
53	T cell responses against microsatellite instability-induced frameshift peptides and influence of regulatory T cells in colorectal cancer. <i>Cancer Immunology, Immunotherapy</i> , 2013, 62, 27-37.	2.0	46
54	Dendritic cell and macrophage infiltration in microsatellite-unstable and microsatellite-stable colorectal cancer. <i>Familial Cancer</i> , 2011, 10, 557-565.	0.9	45

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55	Associations Between Molecular Classifications of Colorectal Cancer and Patient Survival: A Systematic Review. <i>Clinical Gastroenterology and Hepatology</i> , 2019, 17, 402-410.e2.	2.4	44
56	No association of CpG island methylator phenotype and colorectal cancer survival: population-based study. <i>British Journal of Cancer</i> , 2016, 115, 1359-1366.	2.9	43
57	Lack of association between screening interval and cancer stage in Lynch syndrome may be accounted for by over-diagnosis; a prospective Lynch syndrome database report. <i>Hereditary Cancer in Clinical Practice</i> , 2019, 17, 8.	0.6	42
58	Genomic Characterization of Cholangiocarcinoma in Primary Sclerosing Cholangitis Reveals Therapeutic Opportunities. <i>Hepatology</i> , 2020, 72, 1253-1266.	3.6	42
59	Association of high CD4-positive T cell infiltration with mutations in HLA class II-regulatory genes in microsatellite-unstable colorectal cancer. <i>Cancer Immunology, Immunotherapy</i> , 2015, 64, 357-366.	2.0	41
60	Genotyping of colorectal cancer for cancer precision medicine: Results from the IPH Center for Molecular Pathology. <i>Genes Chromosomes and Cancer</i> , 2016, 55, 505-521.	1.5	34
61	Associations of red and processed meat intake with major molecular pathological features of colorectal cancer. <i>European Journal of Epidemiology</i> , 2017, 32, 409-418.	2.5	34
62	Association of Aspirin and Nonsteroidal Anti-Inflammatory Drugs With Colorectal Cancer Risk by Molecular Subtypes. <i>Journal of the National Cancer Institute</i> , 2019, 111, 475-483.	3.0	34
63	Detection of coding microsatellite frameshift mutations in DNA mismatch repair-deficient mouse intestinal tumors. <i>Molecular Carcinogenesis</i> , 2015, 54, 1376-1386.	1.3	33
64	A phase 1/2a study to test the safety and immunogenicity of a p16 ^{INK4a} peptide vaccine in patients with advanced human papillomavirus-associated cancers. <i>Cancer</i> , 2016, 122, 1425-1433.	2.0	33
65	A large MSH2 Alu insertion mutation causes HNPCC in a German kindred. <i>Human Genetics</i> , 2004, 115, 432-438.	1.8	32
66	Cancer risks in Lynch syndrome, Lynch-like syndrome, and familial colorectal cancer type X: a prospective cohort study. <i>BMC Cancer</i> , 2020, 20, 460.	1.1	32
67	Genome-wide analysis associates familial colorectal cancer with increases in copy number variations and a rare structural variation at 12p12.3. <i>Carcinogenesis</i> , 2014, 35, 315-323.	1.3	31
68	Overexpression of <i>SIX1</i> is an independent prognostic marker in stage III colorectal cancer. <i>International Journal of Cancer</i> , 2015, 137, 2104-2113.	2.3	31
69	Deep learning detects genetic alterations in cancer histology generated by adversarial networks. <i>Journal of Pathology</i> , 2021, 254, 70-79.	2.1	31
70	High Frequency of <i>LMAN1</i> Abnormalities in Colorectal Tumors with Microsatellite Instability. <i>Cancer Research</i> , 2009, 69, 292-299.	0.4	29
71	Low density of FOXP3-positive T cells in normal colonic mucosa is related to the presence of beta2-microglobulin mutations in Lynch syndrome-associated colorectal cancer. <i>Onc Immunology</i> , 2016, 5, e1075692.	2.1	28
72	Genetic heterogeneity in synchronous colorectal cancers impacts genotyping approaches and therapeutic strategies. <i>Genes Chromosomes and Cancer</i> , 2016, 55, 268-277.	1.5	28

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73	Value of upper gastrointestinal endoscopy for gastric cancer surveillance in patients with Lynch syndrome. <i>International Journal of Cancer</i> , 2021, 148, 106-114.	2.3	28
74	Survival by colon cancer stage and screening interval in Lynch syndrome: a prospective Lynch syndrome database report. <i>Hereditary Cancer in Clinical Practice</i> , 2019, 17, 28.	0.6	27
75	The Different Immune Profiles of Normal Colonic Mucosa in Cancer-Free Lynch Syndrome Carriers and Lynch Syndrome Colorectal Cancer Patients. <i>Gastroenterology</i> , 2022, 162, 907-919.e10.	0.6	27
76	The majority of β -catenin mutations in colorectal cancer is homozygous. <i>BMC Cancer</i> , 2020, 20, 1038.	1.1	25
77	Microsatellite instability and survival after adjuvant chemotherapy among stage II and III colon cancer patients: results from a population-based study. <i>Molecular Oncology</i> , 2020, 14, 363-372.	2.1	23
78	Implications of Hereditary Origin on the Immune Phenotype of Mismatch Repair-Deficient Cancers: Systematic Literature Review. <i>Journal of Clinical Medicine</i> , 2020, 9, 1741.	1.0	22
79	NMD inhibition by 5-azacytidine augments presentation of immunogenic frameshift-derived neopeptides. <i>IScience</i> , 2021, 24, 102389.	1.9	22
80	Vaccines for immunoprevention of DNA mismatch repair deficient cancers. , 2022, 10, e004416.		21
81	High endothelial venules are associated with microsatellite instability, hereditary background and immune evasion in colorectal cancer. <i>British Journal of Cancer</i> , 2019, 121, 395-404.	2.9	20
82	Low frequency of mismatch repair deficiency in gallbladder cancer. <i>Diagnostic Pathology</i> , 2019, 14, 36.	0.9	19
83	External validation of molecular subtype classifications of colorectal cancer based on microsatellite instability, CIMP, BRAF and KRAS. <i>BMC Cancer</i> , 2019, 19, 681.	1.1	18
84	$E3$ ubiquitin ligase Smurf2: a prognostic factor in microsatellite stable colorectal cancer. <i>Cancer Management and Research</i> , 2019, Volume 11, 1795-1803.	0.9	18
85	Colonoscopy and Reduction of Colorectal Cancer Risk by Molecular Tumor Subtypes: A Population-Based Case-Control Study. <i>American Journal of Gastroenterology</i> , 2020, 115, 2007-2016.	0.2	18
86	No evidence of oncogenic KRAS mutations in squamous cell carcinomas of the anogenital tract and head and neck region independent of human papillomavirus and p16INK4a status. <i>Human Pathology</i> , 2014, 45, 2347-2354.	1.1	17
87	Age-dependent performance of BRAF mutation testing in Lynch syndrome diagnostics. <i>International Journal of Cancer</i> , 2020, 147, 2801-2810.	2.3	17
88	Lynch syndrome: clinical, pathological, and genetic insights. <i>Langenbeck's Archives of Surgery</i> , 2012, 397, 513-525.	0.8	16
89	Dose-dependent effect of 2-deoxy-D-glucose on glycoprotein mannosylation in cancer cells. <i>IUBMB Life</i> , 2015, 67, 218-226.	1.5	16
90	Association of BMI and major molecular pathological markers of colorectal cancer in men and women. <i>American Journal of Clinical Nutrition</i> , 2020, 111, 562-569.	2.2	15

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91	Clinical Characteristics and Outcomes of Colorectal Cancer in the ColoCare Study: Differences by Age of Onset. <i>Cancers</i> , 2021, 13, 3817.	1.7	15
92	Mismatch Repair Deficiency Drives Durable Complete Remission by Targeting Programmed Death Receptor 1 in a Metastatic Luminal Breast Cancer Patient. <i>Breast Care</i> , 2019, 14, 53-59.	0.8	13
93	The association between microsatellite instability and lymph node count in colorectal cancer. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2017, 471, 57-64.	1.4	12
94	Postmenopausal hormone replacement therapy and colorectal cancer risk by molecular subtypes and pathways. <i>International Journal of Cancer</i> , 2020, 147, 1018-1026.	2.3	12
95	Molecular testing for microsatellite instability and its value in tumor characterization. <i>Expert Review of Molecular Diagnostics</i> , 2005, 5, 599-611.	1.5	11
96	Tetranucleotide repeats in coding regions: no evidence for involvement in EMAST carcinogenesis. <i>Journal of Molecular Medicine</i> , 2006, 84, 329-333.	1.7	11
97	Does Side Really Matter? Survival Analysis among Patients with Right- Versus Left-Sided Colon Cancer: A Propensity Score-Adjusted Analysis. <i>Annals of Surgical Oncology</i> , 2021, 28, 2768-2778.	0.7	11
98	Mathematical modeling of multiple pathways in colorectal carcinogenesis using dynamical systems with Kronecker structure. <i>PLoS Computational Biology</i> , 2021, 17, e1008970.	1.5	11
99	Beta-2-microglobulin Mutations Are Linked to a Distinct Metastatic Pattern and a Favorable Outcome in Microsatellite-Unstable Stage IV Gastrointestinal Cancers. <i>Frontiers in Oncology</i> , 2021, 11, 669774.	1.3	11
100	Identification and characterization of UEV3, a human cDNA with similarities to inactive E2 ubiquitin-conjugating enzymes. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2002, 1579, 219-224.	2.4	9
101	Hematological Malignancies in Adults With a Family Predisposition. <i>Deutsches A&#x0308;rztblatt International</i> , 2018, 115, 848-854.	0.6	9
102	Analyzing epigenetic control of galectin expression indicates silencing of galectinâ€2 by promoter methylation in colorectal cancer. <i>IUBMB Life</i> , 2017, 69, 962-970.	1.5	8
103	The coding microsatellite mutation profile of PMS2-deficient colorectal cancer. <i>Experimental and Molecular Pathology</i> , 2021, 122, 104668.	0.9	8
104	(Phospho)proteomic Profiling of Microsatellite Unstable CRC Cells Reveals Alterations in Nuclear Signaling and Cholesterol Metabolism Caused by Frameshift Mutation of NMD Regulator UPR3A. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5234.	1.8	6
105	Identification of MLH2/hPMS1 dominant mutations that prevent DNA mismatch repair function. <i>Communications Biology</i> , 2020, 3, 751.	2.0	5
106	Coding Microsatellite Frameshift Mutations Accumulate in Atherosclerotic Carotid Artery Lesions: Evaluation of 26 Cases and Literature Review. <i>Molecular Medicine</i> , 2015, 21, 479-486.	1.9	4
107	The Immune Biology of Microsatellite Unstable Cancer. , 2018, , 367-384.		4
108	A prognostic CpG score derived from epigenome-wide profiling of tumor tissue was independently associated with colorectal cancer survival. <i>Clinical Epigenetics</i> , 2019, 11, 109.	1.8	4

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109	Early detection of duodenal cancer by upper <scp>gastrointestinal</scp> endoscopy in Lynch syndrome. <i>International Journal of Cancer</i> , 2021, 149, 2052-2062.	2.3	4
110	Outcome and prognostic factors in patients undergoing salvage therapy for recurrent esophagogastric cancer after multimodal treatment. <i>Journal of Cancer Research and Clinical Oncology</i> , 2023, 149, 1373-1382.	1.2	4
111	Distinct Mutational Profile of Lynch Syndrome Colorectal Cancers Diagnosed under Regular Colonoscopy Surveillance. <i>Journal of Clinical Medicine</i> , 2021, 10, 2458.	1.0	3
112	Clinical characteristics and EGD surveillance in Lynch-syndrome patients with small bowel/duodenal carcinomas.. <i>Journal of Clinical Oncology</i> , 2018, 36, 1555-1555.	0.8	3
113	Adenoma and colorectal cancer risks in Lynch syndrome, Lynch-like syndrome and familial colorectal cancer type X. <i>International Journal of Cancer</i> , 2022, 150, 56-66.	2.3	2
114	Treatment resistance analysis reveals GLUT4-mediated glucose uptake as a major target of synthetic rocaglates in cancer cells. <i>Cancer Medicine</i> , 2021, 10, 6807-6822.	1.3	2
115	Response to neoadjuvant treatment among rectal cancer patients in a population-based cohort. <i>International Journal of Colorectal Disease</i> , 2021, 36, 177-185.	1.0	1
116	Genetic Variants in the Regulatory T cell-Related Pathway and Colorectal Cancer Prognosis. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 2719-2728.	1.1	1
117	Differential Glycosite Profiling – A Versatile Method to Compare Membrane Glycoproteomes. <i>Molecules</i> , 2021, 26, 3564.	1.7	0
118	A computational model for investigating the evolution of colonic crypts during Lynch syndrome carcinogenesis. <i>Computational and Systems Oncology</i> , 2021, 1, e1020.	1.1	0
119	Resistance of the stable – towards more precise prediction of response to immune checkpoint blockade in microsatellite-unstable cancer patients. <i>Annals of Translational Medicine</i> , 2019, 7, 603-603.	0.7	0