Alberto Martin

List of Publications by Year
in descending order

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113 papers	6,205 citations	81900 39 h-index	76900 74 g-index
121 all docs	121 docs citations	121 times ranked	8722 citing authors

#	Article	IF	Citations
1	Impact of gut-microbiome altering drugs and fecal microbiota transplant on the efficacy and toxicity of immune checkpoint inhibitors: A systematic review. Advances in Cancer Biology Metastasis, 2022, 4, 100020.	2.0	4
2	The CIAMIB: a Large and Metabolically Diverse Collection of Inflammation-Associated Bacteria from the Murine Gut. MBio, 2022, , e0294921.	4.1	11
3	Convergent CDR3 homology amongst Spike-specific antibody responses in convalescent COVID-19 subjects receiving the BNT162b2 vaccine. Clinical Immunology, 2022, 237, 108963.	3.2	4
4	Clinical Utility of Multigene Profiling Assays in Early-Stage Invasive Breast Cancer: An Ontario Health (Cancer Care Ontario) Clinical Practice Guideline. Current Oncology, 2022, 29, 2599-2616.	2.2	5
5	The real-world experience of adjuvant docetaxel and cyclophosphamide (TC) chemotherapy in HER-2 negative breast cancer.. Journal of Clinical Oncology, 2022, 40, 538-538.	1.6	0
6	Mutagenic repair during antibody diversification: emerging insights. Trends in Immunology, 2022, , .	6.8	0
7	Preventing Colitis-Associated Colon Cancer With Antioxidants: A Systematic Review. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 1177-1197.	4.5	14
8	Nod1 promotes colorectal carcinogenesis by regulating the immunosuppressive functions of tumor-infiltrating myeloid cells. Cell Reports, 2021, 34, 108677.	6.4	44
9	Impact of obesity on clinical outcomes in hormone receptor-positive breast cancer: a systematic review. Breast Cancer, 2021, 28, 755-764.	2.9	8
10	Abstract PS11-20: Radiation therapy (RT) induced toxicity in advanced breast cancer (ABC) patients treated with CDK4/6 inhibitors (CDK4/6is). , 2021, , .		0
11	Cutaneous immune-related adverse events in patients with metastatic melanoma on antiprogrammed cell death protein 1 and anticytotoxic T-lymphocyteâ€“associated protein 4Âtherapy: A retrospective cohort study. JAAD International, 2021, 2, 19-21.	2.2	0
12	Patientsâ€™ and Oncologistsâ€™ Knowledge and Expectations Regarding Tumor Multigene Next-Generation Sequencing: A Narrative Review. Oncologist, 2021, 26, e1359-e1371.	3.7	16
13	Gut microbiota signatures are associated with toxicity to combined CTLA-4 and PD-1 blockade. Nature Medicine, 2021, 27, 1432-1441.	30.7	216
14	Association of Antibiotics and Other Drugs with Clinical Outcomes in Metastatic Melanoma Patients Treated with Immunotherapy. Journal of Skin Cancer, 2021, 2021, 1-5.	1.2	5
15	MR-guided focused ultrasound enhances delivery of trastuzumab to Her2-positive brain metastases. Science Translational Medicine, 2021, 13, eabj4011.	12.4	82
16	FAM72A antagonizes UNG2 to promote mutagenic repair during antibody maturation. Nature, 2021, 600, 324-328.	27.8	29
17	Diet and Environment in Colorectal Cancer Development, Roles of. , 2020, , 33-50.		0
18	Untapped â€œ-omicsâ€: the microbial metagenome, estrobolome, and their influence on the development of breast cancer and response to treatment. Breast Cancer Research and Treatment, 2020, 179, 287-300.	2.5	33

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19	Cancers from Novel Pole-Mutant Mouse Models Provide Insights into Polymerase-Mediated Hypermutagenesis and Immune Checkpoint Blockade. Cancer Research, 2020, 80, 5606-5618.	0.9	14
20	Quality of adverse event reporting in phase III randomized controlled trials of breast and colorectal cancer: A systematic review. Cancer Medicine, 2020, 9, 5035-5050.	2.8	8
21	A Genetic Map of the Response to DNA Damage in Human Cells. Cell, 2020, 182, 481-496.e21.	28.9	324
22	Limiting oxidative DNA damage reduces microbe-induced colitis-associated colorectal cancer. Nature Communications, 2020, 11, 1802.	12.8	58
23	AID in Antibody Diversification: There and Back Again. Trends in Immunology, 2020, 41, 586-600.	6.8	91
24	<scp>SHLD</scp> 2 promotes class switch recombination by preventing inactivating deletions within the Igh locus. EMBO Reports, 2020, 21, e49823.	4.5	20
25	MODL-25. REPLICATION REPAIR DEFICIENT MOUSE MODELS PROVIDE INSIGHT ON HYPERMUTANT BRAIN TUMOURS, MECHANISMS OF IMMUNE EVASION, AND COMBINATORIAL IMMUNOTHERAPY. Neuro-Oncology, 2020, 22, iii416-iii416.	1.2	0
26	Impact of the gut microbiota on immune checkpoint inhibitor-associated toxicities. Therapeutic Advances in Gastroenterology, 2019, 12, 175628481987091.	3.2	35
27	E3 Ubiquitin Ligases RNF20 and RNF40 Are Required for Double-Stranded Break (DSB) Repair: Evidence for Monoubiquitination of Histone H2B Lysine 120 as a Novel Axis of DSB Signaling and Repair. Molecular and Cellular Biology, 2019, 39, .	2.3	45
28	Underuse of ECG monitoring in oncology patients receiving QT-interval prolonging drugs. Heart, 2019, 105, 1649-1655.	2.9	7
29	Unmasking the Mysteries of MYC. Journal of Immunology, 2019, 202, 2517-2518.	0.8	3
30	Unveiling the Mutational Mechanism of the Bacterial Genotoxin Colibactin in Colorectal Cancer. Molecular Cell, 2019, 74, 227-229.	9.7	10
31	DSB structure impacts DNA recombination leading to class switching and chromosomal translocations in human B cells. PLoS Genetics, 2019, 15, e1008101.	3.5	28
32	Early-life programming of mesenteric lymph node stromal cell identity by the lymphotoxin pathway regulates adult mucosal immunity. Science Immunology, 2019, 4, .	11.9	23
33	TMOD-10. REPLICATION REPAIR DEFICIENT MOUSE MODELS PROVIDE INSIGHT ON HYPERMUTANT BRAIN TUMOURS AND COMBINATIONAL IMMUNOTHERAPY. Neuro-Oncology, 2019, 21, ii123-ii123.	1.2	0
34	Double-stranded DNA break polarity skews repair pathway choice during intrachromosomal and interchromosomal recombination. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2800-2805.	7.1	18
35	Deficiency in the DNA glycosylases UNG1 and OGG1 does not potentiate c-Myc-induced B-cell lymphomagenesis. Experimental Hematology, 2018, 61, 52-58.	0.4	2
36	The Inhibitory NKR-P1B:Clr-b Recognition Axis Facilitates Detection of Oncogenic Transformation and Cancer Immunosurveillance. Cancer Research, 2018, 78, 3589-3603.	0.9	9

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37	The H2B deubiquitinase Usp22 promotes antibody class switch recombination by facilitating non-homologous end joining. Nature Communications, 2018, 9, 1006.	12.8	47
38	Impact of multi-gene mutational profiling on clinical trial outcomes in metastatic breast cancer. Breast Cancer Research and Treatment, 2018, 168, 159-168.	2.5	27
39	The Impact of the Gut Microbiome on Colorectal Cancer. Annual Review of Cancer Biology, 2018, 2, 229-249.	4.5	21
40	Microbiota and Colon Cancer: Orchestrating Neoplasia Through DNA Damage and Immune Dysregulation. , 2018, , 458-458.		0
41	Isotype-Switched Autoantibodies Are Necessary To Facilitate Central Nervous System Autoimmune Disease in Aicdaâ˜'/â˜' and Ungâ˜'/â˜' Mice. Journal of Immunology, 2018, 201, 1119-1130.	0.8	15
42	The shieldin complex mediates 53BP1-dependent DNA repair. Nature, 2018, 560, 117-121.	27.8	445
43	Use of QT interval prolonging drugs (QT drugs) and electrocardiogram (ECG) monitoring in patients (pts) receiving first-line anti-cancer systemic therapy (tx): A population-based analysis.. Journal of Clinical Oncology, 2018, 36, 6598-6598.	1.6	0
44	The SUV4-20 inhibitor A-196 verifies a role for epigenetics in genomic integrity. Nature Chemical Biology, 2017, 13, 317-324.	8.0	98
45	Insights into the role of the intestinal microbiota in colon cancer. Therapeutic Advances in Gastroenterology, 2017, 10, 417-428.	3.2	28
46	Microbiome and colorectal cancer: Unraveling host-microbiota interactions in colitis-associated colorectal cancer development. Seminars in Immunology, 2017, 32, 3-13.	5.6	116
47	Mismatch Repair and Colon Cancer: Mechanisms and Therapies Explored. Trends in Molecular Medicine, 2016, 22, 274-289.	6.7	136
48	Noncoding somatic and inherited single-nucleotide variants converge to promote ESR1 expression in breast cancer. Nature Genetics, 2016, 48, 1260-1266.	21.4	75
49	Kin17 facilitates multiple double-strand break repair pathways that govern B cell class switching. Scientific Reports, 2016, 6, 37215.	3.3	11
50	The SAGA Deubiquitination Module Promotes DNA Repair and Class Switch Recombination through ATM and DNAPK-Mediated Î³H2AX Formation. Cell Reports, 2016, 15, 1554-1565.	6.4	81
51	DNA Repair during Class Switch Recombination. , 2016, , 134-143.		0
52	Gut microbial metabolism and colon cancer: Can manipulations of the microbiota be useful in the management of gastrointestinal health?. BioEssays, 2015, 37, 403-412.	2.5	43
53	Gut microbiota and colon cancer: the carbohydrate link. Molecular and Cellular Oncology, 2015, 2, e969630.	0.7	6
54	Somatic Hypermutation. , 2015, , 363-388.		7

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55	T Regulatory Cells Gone Bad: An Oncogenic Immune Response against Enterotoxigenic B. fragilis Infection Leads to Colon Cancer. Cancer Discovery, 2015, 5, 1021-1023.	9.4	13
56	The Mitochondrial Protein NLRX1 Controls the Balance between Extrinsic and Intrinsic Apoptosis. Journal of Biological Chemistry, 2014, 289, 19317-19330.	3.4	63
57	The Multifaceted Role of the Intestinal Microbiota in Colon Cancer. Molecular Cell, 2014, 54, 309-320.	9.7	284
58	Short-Chain Fructo-oligosaccharide and Inulin Modulate Inflammatory Responses and Microbial Communities in Caco2-bbe Cells and in a Mouse Model of Intestinal Injury. Journal of Nutrition, 2014, 144, 1725-1733.	2.9	42
59	Genomic Uracil Homeostasis during Normal B Cell Maturation and Loss of This Balance during B Cell Cancer Development. Molecular and Cellular Biology, 2014, 34, 4019-4032.	2.3	23
60	Gut Microbial Metabolism Drives Transformation of Msh2-Deficient Colon Epithelial Cells. Cell, 2014, 158, 288-299.	28.9	375
61	AID-Expressing Germinal Center B Cells Cluster Normally within Lymph Node Follicles in the Absence of FDC-M1+ CD35+ Follicular Dendritic Cells but Dissipate Prematurely. Journal of Immunology, 2013, 191, 4521-4530.	0.8	27
62	AID and Caspase 8 Shape the Germinal Center Response through Apoptosis. Journal of Immunology, 2013, 191, 5840-5847.	0.8	17
63	Secondary B Cell Receptor Diversification Is Necessary for T Cell Mediated Neuro-Inflammation during Experimental Autoimmune Encephalomyelitis. PLoS ONE, 2013, 8, e61478.	2.5	12
64	Elevated Incidence of Polyp Formation in APCMin/+Msh2â^'/â^' Mice Is Independent of Nitric Oxide-Induced DNA Mutations. PLoS ONE, 2013, 8, e65204.	2.5	8
65	Negative Supercoiling Creates Single-Stranded Patches of DNA That Are Substrates for AIDâ€“Mediated Mutagenesis. PLoS Genetics, 2012, 8, e1002518.	3.5	61
66	Differences in the enzymatic efficiency of human and bony fish AID are mediated by a single residue in the C terminus modulating singleâ€stranded DNA binding. FASEB Journal, 2012, 26, 1517-1525.	0.5	24
67	The biochemistry of activation-induced deaminase and its physiological functions. Seminars in Immunology, 2012, 24, 255-263.	5.6	38
68	Acquisition of a multifunctional IgA+ plasma cell phenotype in the gut. Nature, 2012, 481, 199-203.	27.8	177
69	Induction of apoptosis in Eμ-myc lymphoma cells inÂvitro and inÂvivo through calpain inhibition. Experimental Hematology, 2012, 40, 548-563.e2.	0.4	9
70	Activation-Induced Cytidine Deaminase and Aberrant Germinal Center Selection in the Development of Humoral Autoimmunities. American Journal of Pathology, 2011, 178, 462-471.	3.8	16
71	The mismatch repair pathway functions normally at a non-AID target in germinal center B cells. Blood, 2011, 118, 3013-3018.	1.4	10
72	Altered spectrum of somatic hypermutation in common variable immunodeficiency disease characteristic of defective repair of mutations. Immunogenetics, 2011, 63, 1-11.	2.4	18

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73	Induction and Assessment of Class Switch Recombination in Purified Murine B Cells. Journal of Visualized Experiments, 2010, , .	0.3	5
74	The RNF8/RNF168 ubiquitin ligase cascade facilitates class switch recombination. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 809-814.	7.1	70
75	Altered Dynamics of Intestinal Cell Maturation in Apc1638N/+ Mice. Cancer Research, 2010, 70, 5348-5357.	0.9	11
76	Missing mismatch repair: a key to T cell immortality. Leukemia and Lymphoma, 2010, 51, 1777-1778.	1.3	3
77	The Concerted Action of Msh2 and UNG Stimulates Somatic Hypermutation at A Â· T Base Pairs. Molecular and Cellular Biology, 2009, 29, 5148-5157.	2.3	48
78	Msh2-dependent DNA repair mitigates a unique susceptibility of B cell progenitors to c-Myc -induced lymphomas. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18698-18703.	7.1	15
79	AID constrains germinal center size by rendering B cells susceptible to apoptosis. Blood, 2009, 114, 547-554.	1.4	85
80	Nuclear microenvironment in cancer diagnosis and treatment. Journal of Cellular Biochemistry, 2008, 104, 1953-1963.	2.6	7
81	Single-Cell Transcription Site Activation Predicts Chemotherapy Response in Human Colorectal Tumors. Cancer Research, 2008, 68, 4977-4982.	0.9	12
82	Detection of chromatin-associated single-stranded DNA in regions targeted for somatic hypermutation. Journal of Experimental Medicine, 2007, 204, 181-190.	8.5	83
83	AID Associates with Single-Stranded DNA with High Affinity and a Long Complex Half-Life in a Sequence-Independent Manner. Molecular and Cellular Biology, 2007, 27, 20-30.	2.3	81
84	AID mutates a non-immunoglobulin transgene independent of chromosomal position. Molecular Immunology, 2007, 44, 567-575.	2.2	29
85	Single-Stranded DNA Structure and Positional Context of the Target Cytidine Determine the Enzymatic Efficiency of AID. Molecular and Cellular Biology, 2007, 27, 8038-8048.	2.3	52
86	Activationâ€induced cytidine deaminase induces DNA break repair events more frequently in the Ig switch region than other sites in the mammalian genome. European Journal of Immunology, 2007, 37, 3529-3539.	2.9	1
87	Immunoglobulin gene conversion: Synthesizing antibody diversification and DNA repair. DNA Repair, 2007, 6, 1557-1571.	2.8	17
88	Detection of chromatin-associated single-stranded DNA in regions targeted for somatic hypermutation. Journal of Cell Biology, 2007, 176, i7-i7.	5.2	1
89	Investigations into the Regulation and Function of the SH2 Domain-Containing Protein-Tyrosine Phosphatase, SHP-1. Immunologic Research, 2006, 35, 127-136.	2.9	69
90	Antibody Diversification: Mutational Mechanisms and Oncogenesis. Immunologic Research, 2006, 35, 75-88.	2.9	35

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91	Forced expression of AID facilitates the isolation of class switch variants from hybridoma cells. Journal of Immunological Methods, 2006, 316, 59-66.	1.4	5
92	NHEJ-deficient DT40 cells have increased levels of immunoglobulin gene conversion: evidence for a double strand break intermediate. Nucleic Acids Research, 2006, 34, 6345-6351.	14.5	21
93	The mutation spectrum of purified AID is similar to the mutability index in Ramos cells and in ung?/?msh2?/? mice. Immunogenetics, 2005, 56, 840-845.	2.4	53
94	Lack of MSH2 involvement differentiates V(D)J recombination from other non-homologous end joining events. Nucleic Acids Research, 2005, 33, 6733-6742.	14.5	9
95	Methylation protects cytidines from AID-mediated deamination. Molecular Immunology, 2005, 42, 599-604.	2.2	71
96	Examination of Msh6- and Msh3-deficient Mice in Class Switching Reveals Overlapping and Distinct Roles of MutS Homologues in Antibody Diversification. Journal of Experimental Medicine, 2004, 200, 47-59.	8.5	95
97	Altered somatic hypermutation and reduced class-switch recombination in exonuclease 1â€“mutant mice. Nature Immunology, 2004, 5, 224-229.	14.5	236
98	Induction of Somatic Hypermutation Is Associated with Modifications in Immunoglobulin Variable Region Chromatin. Immunity, 2003, 19, 479-489.	14.3	90
99	Cutting Edge: The G-U Mismatch Glycosylase Methyl-CpG Binding Domain 4 Is Dispensable for Somatic Hypermutation and Class Switch Recombination. Journal of Immunology, 2003, 170, 1620-1624.	0.8	43
100	Msh2 ATPase Activity Is Essential for Somatic Hypermutation at A-T Basepairs and for Efficient Class Switch Recombination. Journal of Experimental Medicine, 2003, 198, 1171-1178.	8.5	95
101	Somatic hypermutation of the AID transgene in B and non-B cells. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12304-12308.	7.1	150
102	Single-Cell Gene Expression Profiling. Science, 2002, 297, 836-840.	12.6	492
103	X-ray Crystal Structure of the C4d Fragment of Human Complement Component C4. Journal of Molecular Biology, 2002, 322, 1103-1115.	4.2	68
104	Mutation detection of immunoglobulin V-regions by DHPLC. Journal of Immunological Methods, 2002, 266, 165-173.	1.4	2
105	Molecular mechanisms underlyingSHP-1gene expression. FEBS Journal, 2002, 269, 3057-3064.	0.2	34
106	Activation-induced cytidine deaminase turns on somatic hypermutation in hybridomas. Nature, 2002, 415, 802-806.	27.8	260
107	AID and mismatch repair in antibody diversification. Nature Reviews Immunology, 2002, 2, 605-614.	22.7	112
108	Novel detection and differential utilization of a c-myc transcriptional block in colon cancer chemoprevention. Cancer Research, 2002, 62, 6006-10.	0.9	47

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109	Antibody alterations. Nature, 2001, 412, 870-871.	27.8	7
110	Clonal instability of V region hypermutation in the Ramos Burkitt's lymphoma cell line. International Immunology, 2001, 13, 1175-1184.	4.0	72
111	Murine SHP-1 Splice Variants with Altered Src Homology 2 (SH2) Domains. Journal of Biological Chemistry, 1999, 274, 21725-21734.	3.4	24
112	Epitope studies indicate that histidylâ€tRNA synthetase is a stimulating antigen in idiopathic myositis. FASEB Journal, 1995, 9, 1226-1233.	0.5	37
113	Transcriptional analyses of the gene region that encodes human histidyl-tRNA synthetase: identification of a novel bidirectional regulatory element. Gene, 1993, 131, 201-208.	2.2	8