Guo-Min Li

List of Publications by Year
in descending order

86	6,470	94433 37	66911 78
papers	citations	h-index	g-index

88	88	88	7969
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	NBS1-CtIPâ€“mediated DNA end resection suppresses cGAS binding to micronuclei. Nucleic Acids Research, 2022, 50, 2681-2699.	14.5	8
2	DNA-PKcs-dependent phosphorylation of RECQL4 promotes NHEJ by stabilizing the NHEJ machinery at DNA double-strand breaks. Nucleic Acids Research, 2022, 50, 5635-5651.	14.5	8
3	Interplay between H3K36me3, methyltransferase SETD2, and mismatch recognition protein MutSÎ± facilitates processing of oxidative DNA damage in human cells. Journal of Biological Chemistry, 2022, 298, 102102.	3.4	4
4	MLH1 Deficiency-Triggered DNA Hyperexcision by Exonuclease 1 Activates the cGAS-STING Pathway. Cancer Cell, 2021, 39, 109-121.e5.	16.8	108
5	DNA Sensing in Mismatch Repair-Deficient Tumor Cells Is Essential for Anti-tumor Immunity. Cancer Cell, 2021, 39, 96-108.e6.	16.8	153
6	OTUB1 stabilizes mismatch repair protein MSH2 by blocking ubiquitination. Journal of Biological Chemistry, 2021, 296, 100466.	3.4	15
7	DNA repair | DNA Mismatch Repair and the DNA Damage Response. , 2021, , 232-235.		0
8	MIF is a 3â€™ flap nuclease that facilitates DNA replication and promotes tumor growth. Nature Communications, 2021, 12, 2954.	12.8	20
9	DNA polymerase Î¸ promotes CAGâ€¢CTG repeat expansions in Huntingtonâ€™s disease via insertion sequences of its catalytic domain. Journal of Biological Chemistry, 2021, 297, 101144.	3.4	7
10	Mispair-bound human MutSâ€“MutL complex triggers DNA incisions and activates mismatch repair. Cell Research, 2021, 31, 542-553.	12.0	26
11	DNA mismatch repair in the chromatin context: Mechanisms and therapeutic potential. DNA Repair, 2020, 93, 102918.	2.8	10
12	HDAC3 deacetylates the DNA mismatch repair factor MutSÎ²2 to stimulate triplet repeat expansions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23597-23605.	7.1	19
13	DNA mismatch repair in the context of chromatin. Cell and Bioscience, 2020, 10, 10.	4.8	15
14	Phosphorylation of proliferating cell nuclear antigen promotes cancer progression by activating the ATM/Akt/GSK3Î²2/Snail signaling pathway. Journal of Biological Chemistry, 2019, 294, 7037-7045.	3.4	20
15	HDAC6 regulates DNA damage response via deacetylating MLH1. Journal of Biological Chemistry, 2019, 294, 5813-5826.	3.4	28
16	Identification of novel genetic variants predisposing to familial oral squamous cell carcinomas. Cell Discovery, 2019, 5, 57.	6.7	16
17	Cancer-driving H3G34V/R/D mutations block H3K36 methylation and H3K36me3â€“MutSÎ± interaction. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9598-9603.	7.1	87
18	DNA mismatch repair preferentially safeguards actively transcribed genes. DNA Repair, 2018, 71, 82-86.	2.8	24

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19	ARID1A deficiency promotes mutability and potentiates therapeutic antitumor immunity unleashed by immune checkpoint blockade. Nature Medicine, 2018, 24, 556-562.	30.7	372
20	A human MUTYH variant linking colonic polyposis to redox degradation of the [4Fe4S]2+ cluster. Nature Chemistry, 2018, 10, 873-880.	13.6	20
21	Mismatch Repair. , 2018, , 683-695.		0
22	DNA mismatch repair in trinucleotide repeat instability. Science China Life Sciences, 2017, 60, 1087-1092.	4.9	6
23	MutSÎ² abundance and Msh3 ATP hydrolysis activity are important drivers of CTGâ€¢CAG repeat expansions. Nucleic Acids Research, 2017, 45, 10068-10078.	14.5	27
24	MutSÎ² promotes trinucleotide repeat expansion by recruiting DNA polymerase Î² to nascent (CAG)n or (CTG)n hairpins for error-prone DNA synthesis. Cell Research, 2016, 26, 775-786.	12.0	43
25	Ubiquitin-specific Peptidase 10 (USP10) Deubiquitinates and Stabilizes MutS Homolog 2 (MSH2) to Regulate Cellular Sensitivity to DNA Damage. Journal of Biological Chemistry, 2016, 291, 10783-10791.	3.4	41
26	Regulation of mismatch repair by histone code and posttranslational modifications in eukaryotic cells. DNA Repair, 2016, 38, 68-74.	2.8	22
27	Clamping down on mismatches. ELife, 2016, 5, .	6.0	0
28	Okazaki fragment maturation involves Î±â€segment error editing by the mammalian <scp>FEN</scp> 1/MutSÎ± functional complex. EMBO Journal, 2015, 34, 1829-1843.	7.8	28
29	Phosphorylation of PCNA by EGFR inhibits mismatch repair and promotes misincorporation during DNA synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5667-5672.	7.1	60
30	Targeted DNA damage at individual telomeres disrupts their integrity and triggers cell death. Nucleic Acids Research, 2015, 43, 6334-6347.	14.5	68
31	The C-terminal Domain (CTD) of Human DNA Glycosylase NEIL1 Is Required for Forming BERosome Repair Complex with DNA Replication Proteins at the Replicating Genome. Journal of Biological Chemistry, 2015, 290, 20919-20933.	3.4	41
32	Arsenic Inhibits DNA Mismatch Repair by Promoting EGFR Expression and PCNA Phosphorylation. Journal of Biological Chemistry, 2015, 290, 14536-14541.	3.4	33
33	Truncating mutation in the autophagy gene UVRAG confers oncogenic properties and chemosensitivity in colorectal cancers. Nature Communications, 2015, 6, 7839.	12.8	67
34	Mismatch Repair. , 2014, , 1-14.		0
35	New insights and challenges in mismatch repair: Getting over the chromatin hurdle. DNA Repair, 2014, 19, 48-54.	2.8	33
36	HDAC6 Deacetylates and Ubiquitinates MSH2 to Maintain Proper Levels of MutSÎ±. Molecular Cell, 2014, 55, 31-46.	9.7	112

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37	Decoding the Histone Code: Role of H3K36me3 in Mismatch Repair and Implications for Cancer Susceptibility and Therapy. Cancer Research, 2013, 73, 6379-6383.	0.9	36
38	Proteomic analysis of mismatch repair-mediated alkylating agent-induced DNA damage response. Cell and Bioscience, 2013, 3, 37.	4.8	4
39	The Histone Mark H3K36me3 Regulates Human DNA Mismatch Repair through Its Interaction with MutSÎ±. Cell, 2013, 153, 590-600.	28.9	504
40	Mismatch Repair Genes Mlh1 and Mlh3 Modify CAG Instability in Huntington's Disease Mice: Genome-Wide and Candidate Approaches. PLoS Genetics, 2013, 9, e1003930.	3.5	175
41	Prereplicative repair of oxidized bases in the human genome is mediated by NEIL1 DNA glycosylase together with replication proteins. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3090-9.	7.1	90
42	Coordinated Processing of 3â€² Slipped (CAG)n/(CTG)n Hairpins by DNA Polymerases Î² and Î´ Preferentially Induces Repeat Expansions. Journal of Biological Chemistry, 2013, 288, 15015-15022.	3.4	18
43	Trinucleotide repeat expansions catalyzed by human cell-free extracts. Cell Research, 2013, 23, 565-572.	12.0	16
44	Regulation of mismatch repair protein MutSÎ± functions by its Walker A and Walker B motifs. FASEB Journal, 2013, 27, 758.9.	0.5	0
45	Coordinated processing of 3â€² slipped (CAG)n/(CTG)n hairpins by DNA polymerases preferentially induces repeat expansions. FASEB Journal, 2013, 27, 758.4.	0.5	0
46	The hMSH2(M688R) Lynch syndrome mutation may function as a dominant negative. Carcinogenesis, 2012, 33, 1647-1654.	2.8	8
47	The Werner Syndrome Protein Promotes CAG/CTG Repeat Stability by Resolving Large (CAG) /(CTG) Hairpins. Journal of Biological Chemistry, 2012, 287, 30151-30156.	3.4	17
48	Modulation of microRNA processing by mismatch repair protein MutLÎ±. Cell Research, 2012, 22, 973-985.	12.0	38
49	Effect of Carcinogenic Acrolein on DNA Repair and Mutagenic Susceptibility. Journal of Biological Chemistry, 2012, 287, 12379-12386.	3.4	75
50	In vitro repair of DNA hairpins containing various numbers of CAG/CTG trinucleotide repeats. DNA Repair, 2012, 11, 201-209.	2.8	20
51	A special issue on DNA damage response and genome stability. Cell and Bioscience, 2012, 2, 4.	4.8	8
52	The Role of XPG in Processing (CAG)n/(CTG)n DNA Hairpins. Cell and Bioscience, 2011, 1, 11.	4.8	14
53	Molecular Cooperation between the Werner Syndrome Protein and Replication Protein A in Relation to Replication Fork Blockage. Journal of Biological Chemistry, 2011, 286, 3497-3508.	3.4	39
54	Novel molecular insights into the mechanism of GO removal by MutM. Cell Research, 2010, 20, 116-118.	12.0	7

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55	Evidence That Nucleosomes Inhibit Mismatch Repair in Eukaryotic Cells. Journal of Biological Chemistry, 2009, 284, 33056-33061.	3.4	59
56	Distinct Nucleotide Binding/Hydrolysis Properties and Molar Ratio of MutSÎ± and MutSÎ² Determine Their Differential Mismatch Binding Activities. Journal of Biological Chemistry, 2009, 284, 11557-11562.	3.4	47
57	Mismatch Recognition Protein MutSÎ² Does Not Hijack (CAG) Hairpin Repair in Vitro. Journal of Biological Chemistry, 2009, 284, 20452-20456.	3.4	45
58	DNA instability in replicating Huntington's disease lymphoblasts. BMC Medical Genetics, 2009, 10, 11.	2.1	24
59	Incision-dependent and error-free repair of (CAG)n/(CTG)n hairpins in human cell extracts. Nature Structural and Molecular Biology, 2009, 16, 869-875.	8.2	47
60	Mechanisms and functions of DNA mismatch repair. Cell Research, 2008, 18, 85-98.	12.0	1,081
61	A special issue on DNA damage responses and genome maintenance. Cell Research, 2008, 18, 1-2.	12.0	6
62	Altered 8-oxoguanine glycosylase in mild cognitive impairment and late-stage Alzheimer's disease brain. Free Radical Biology and Medicine, 2008, 45, 813-819.	2.9	99
63	Identification of Regulatory Factor X as a Novel Mismatch Repair Stimulatory Factor. Journal of Biological Chemistry, 2008, 283, 12730-12735.	3.4	9
64	Identification and characterization of OGG1 mutations in patients with Alzheimer's disease. Nucleic Acids Research, 2007, 35, 2759-2766.	14.5	105
65	DNA Mismatch Repair: Biological Functions and Molecular Mechanisms. , 2007, , 87-117.		0
66	Analysis of DNA Mismatch Repair in Cellular Response to DNA Damage. Methods in Enzymology, 2006, 408, 303-317.	1.0	4
67	Regulation of Replication Protein A Functions in DNA Mismatch Repair by Phosphorylation. Journal of Biological Chemistry, 2006, 281, 21607-21616.	3.4	34
68	hMRE11 deficiency leads to microsatellite instability and defective DNA mismatch repair. EMBO Reports, 2005, 6, 438-444.	4.5	49
69	Reconstitution of 5â€²-Directed Human Mismatch Repair in a Purified System. Cell, 2005, 122, 693-705.	28.9	316
70	Roles of mismatch repair proteins hMSH2 and hMLH1 in the development of sporadic breast cancer. Cancer Letters, 2005, 223, 143-150.	7.2	47
71	Evidence for Involvement of HMGB1 Protein in Human DNA Mismatch Repair. Journal of Biological Chemistry, 2004, 279, 20935-20940.	3.4	112
72	Differential Requirement for Proliferating Cell Nuclear Antigen in 5â€² and 3â€² Nick-directed Excision in Human Mismatch Repair. Journal of Biological Chemistry, 2004, 279, 16912-16917.	3.4	47

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73	Folate deficiency, mismatch repair-dependent apoptosis, and human disease. Journal of Nutritional Biochemistry, 2003, 14, 568-575.	4.2	47
74	Bi-directional Processing of DNA Loops by Mismatch Repair-dependent and -independent Pathways in Human Cells. Journal of Biological Chemistry, 2003, 278, 3891-3896.	3.4	41
75	Nick-dependent and -independent Processing of Large DNA Loops in Human Cells. Journal of Biological Chemistry, 2003, 278, 50803-50809.	3.4	19
76	In vitro and in vivo modulations of benzo[c]phenanthrene-DNA adducts by DNA mismatch repair system. Nucleic Acids Research, 2003, 31, 6428-6434.	14.5	15
77	DNA mismatch repair and cancer. Frontiers in Bioscience - Landmark, 2003, 8, d997-1017.	3.0	66
78	Partial Reconstitution of Human DNA Mismatch Repair In Vitro: Characterization of the Role of Human Replication Protein A. Molecular and Cellular Biology, 2002, 22, 2037-2046.	2.3	75
79	Involvement of DNA mismatch repair in folate deficiency-induced apoptosisâ˜†. Journal of Nutritional Biochemistry, 2002, 13, 355-363.	4.2	36
80	Genetic and epigenetic modification of mismatch repair genes hMSH2 and hMLH1 in sporadic breast cancer with microsatellite instability. Oncogene, 2002, 21, 5696-5703.	5.9	80
81	Mismatch repair deficiency in hematological malignancies with microsatellite instability. Oncogene, 2002, 21, 5758-5764.	5.9	41
82	Specific Binding of Human MSH2Â·MSH6 Mismatch-Repair Protein Heterodimers to DNA Incorporating Thymine- or Uracil-containing UV Light Photoproducts Opposite Mismatched Bases. Journal of Biological Chemistry, 1999, 274, 16894-16900.	3.4	93
83	Mismatch Repair Processing of Carcinogen-DNA Adducts Triggers Apoptosis. Molecular and Cellular Biology, 1999, 19, 8292-8301.	2.3	115
84	Increased transversions in a novel mutator colon cancer cell line. Oncogene, 1998, 16, 1125-1130.	5.9	13
85	Human MutSÎ± Specifically Binds to DNA Containing Aminofluorene and Acetylaminofluorene Adducts. Journal of Biological Chemistry, 1996, 271, 24084-24088.	3.4	54
86	Hypermutability and mismatch repair deficiency in RER+ tumor cells. Cell, 1993, 75, 1227-1236.	28.9	1,031