Shicheng Guo

List of Publications by Year
in descending order

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86 papers	4,435 citations	172457 29 h-index	114465 63 g-index
98 all docs	98 docs citations	98 times ranked	8077 citing authors

#	Article	IF	Citations
1	In vivo genome editing via CRISPR/Cas9 mediated homology-independent targeted integration. Nature, 2016, 540, 144-149.	27.8	906
2	Identification of methylation haplotype blocks aids in deconvolution of heterogeneous tissue samples and tumor tissue-of-origin mapping from plasma DNA. Nature Genetics, 2017, 49, 635-642.	21.4	384
3	Epigenetic silencing of ZNF132 mediated by methylation-sensitive Sp1 binding promotes cancer progression in esophageal squamous cell carcinoma. Cell Death and Disease, 2019, 10, 1.	6.3	361
4	Single baseâ€“resolution methylome of the silkworm reveals a sparse epigenomic map. Nature Biotechnology, 2010, 28, 516-520.	17.5	349
5	The DNA Methylome of Human Peripheral Blood Mononuclear Cells. PLoS Biology, 2010, 8, e1000533.	5.6	290
6	Obesity-related DNA methylation at imprinted genes in human sperm: Results from the TIEGER study. Clinical Epigenetics, 2016, 8, 51.	4.1	151
7	Hypomethylation of the hsa-miR-191 Locus Causes High Expression of hsa-miR-191 and Promotes the Epithelial-to-Mesenchymal Transition in Hepatocellular Carcinoma. Neoplasia, 2011, 13, 841-IN23.	5.3	105
8	Apoptosis, Autophagy, NETosis, Necroptosis, and Pyroptosis Mediated Programmed Cell Death as Targets for Innovative Therapy in Rheumatoid Arthritis. Frontiers in Immunology, 2021, 12, 809806.	4.8	87
9	Targeted bisulfite sequencing identified a panel of DNA methylation-based biomarkers for esophageal squamous cell carcinoma (ESCC). Clinical Epigenetics, 2017, 9, 129.	4.1	75
10	The detective, prognostic, and predictive value of DNA methylation in human esophageal squamous cell carcinoma. Clinical Epigenetics, 2016, 8, 43.	4.1	74
11	Confirmation of papillary thyroid cancer susceptibility loci identified by genome-wide association studies of chromosomes 14q13, 9q22, 2q35 and 8p12 in a Chinese population. Journal of Medical Genetics, 2013, 50, 689-695.	3.2	66
12	Methylcap-Seq Reveals Novel DNA Methylation Markers for the Diagnosis and Recurrence Prediction of Bladder Cancer in a Chinese Population. PLoS ONE, 2012, 7, e35175.	2.5	59
13	Identification and validation of the methylation biomarkers of non-small cell lung cancer (NSCLC). Clinical Epigenetics, 2015, 7, 3.	4.1	59
14	Molecular and Cellular Heterogeneity in Rheumatoid Arthritis: Mechanisms and Clinical Implications. Frontiers in Immunology, 2021, 12, 790122.	4.8	58
15	Genome-Wide DNA Methylation Profiles Reveal Common Epigenetic Patterns of Interferon-Related Genes in Multiple Autoimmune Diseases. Frontiers in Genetics, 2019, 10, 223.	2.3	57
16	Genome-wide DNA methylation patterns in CD4+ T cells from Chinese Han patients with rheumatoid arthritis. Modern Rheumatology, 2017, 27, 441-447.	1.8	56
17	Genome-Wide DNA Methylation Analysis in Systemic Sclerosis Reveals Hypomethylation of IFN-Associated Genes in CD4+ and CD8+ T Cells. Journal of Investigative Dermatology, 2018, 138, 1069-1077.	0.7	55
18	Hdac7 promotes lung tumorigenesis by inhibiting Stat3 activation. Molecular Cancer, 2017, 16, 170.	19.2	51

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19	Genome-wide methylation profiling of the different stages of hepatitis B virus-related hepatocellular carcinoma development in plasma cell-free DNA reveals potential biomarkers for early detection and high-risk monitoring of hepatocellular carcinoma. Clinical Epigenetics, 2014, 6, 30.	4.1	49
20	Abnormal methylation of seven genes and their associations with clinical characteristics in early stage non-small cell lung cancer. Oncology Letters, 2013, 5, 1211-1218.	1.8	46
21	A green and template-free synthesis process of superior carbon material with ellipsoidal structure as enhanced material for supercapacitors. Journal of Power Sources, 2018, 405, 80-88.	7.8	45
22	Nitrogen-doped hierarchically ellipsoidal porous carbon derived from Al-based metal-organic framework with enhanced specific capacitance and rate capability for high performance supercapacitors. Journal of Power Sources, 2019, 432, 102-111.	7.8	45
23	Prognostic Role of MicroRNA-181a/b in Hematological Malignancies: A Meta-Analysis. PLoS ONE, 2013, 8, e59532.	2.5	44
24	Predictive Value of XRCC1 Gene Polymorphisms on Platinum-Based Chemotherapy in Advanced Nonâ€“Small Cell Lung Cancer Patients: A Systematic Review and Meta-analysis. Clinical Cancer Research, 2012, 18, 3972-3981.	7.0	42
25	Genetic variants in miR-196a2 and miR-499 are associated with susceptibility to esophageal squamous cell carcinoma in Chinese Han population. Tumor Biology, 2016, 37, 4777-4784.	1.8	39
26	Abnormal methylation status of FBXW10 and SMPD3, and associations with clinical characteristics in clear cell renal cell carcinoma. Oncology Letters, 2015, 10, 3073-3080.	1.8	36
27	Association study of miR-149 rs2292832 and miR-608 rs4919510 and the risk of hepatocellular carcinoma in a large-scale population. Molecular Medicine Reports, 2014, 10, 2736-2744.	2.4	34
28	miR-449b rs10061133 and miR-4293 rs12220909 polymorphisms are associated with decreased esophageal squamous cell carcinoma in a Chinese population. Tumor Biology, 2015, 36, 8789-8795.	1.8	34
29	Genome-wide DNA methylation profiles of low- and high-grade adenoma reveals potential biomarkers for early detection of colorectal carcinoma. Clinical Epigenetics, 2020, 12, 56.	4.1	33
30	High-frequency aberrantly methylated targets in pancreatic adenocarcinoma identified via global DNA methylation analysis using methylCap-seq. Clinical Epigenetics, 2014, 6, 18.	4.1	32
31	MicroRNA-Mediated Epigenetic Regulation of Rheumatoid Arthritis Susceptibility and Pathogenesis. Frontiers in Immunology, 2022, 13, 838884.	4.8	32
32	Hypermethylation reduces expression of tumorâ€suppressor PLZF and regulates proliferation and apoptosis in nonâ€smallâ€cell lung cancers. FASEB Journal, 2013, 27, 4194-4203.	0.5	30
33	Association of the HLA-DRB1 with Scleroderma in Chinese Population. PLoS ONE, 2014, 9, e106939.	2.5	29
34	Association between <scp>ABCG</scp>2 Q141K polymorphism and gout risk affected by ethnicity and gender: a systematic review and metaâ€analysis. International Journal of Rheumatic Diseases, 2015, 18, 382-391.	1.9	29
35	Hypoxicâ€stabilized EPAS1 proteins transactivate DNMT1 and cause promoter hypermethylation and transcription inhibition of EPAS1 in nonâ€small cell lung cancer. FASEB Journal, 2018, 32, 6694-6705.	0.5	29
36	Quantitative assessment of the diagnostic role of APC promoter methylation in non-small cell lung cancer. Clinical Epigenetics, 2014, 6, 5.	4.1	27

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37	Aberrant methylation of CDH13 can be a diagnostic biomarker for lung adenocarcinoma. Journal of Cancer, 2016, 7, 2280-2289.	2.5	27
38	Different Hereditary Contribution of theCFHGene Between Polypoidal Choroidal Vasculopathy and Age-Related Macular Degeneration in Chinese Han People. , 2014, 55, 2534.		25
39	Hypomethylation in HBV integration regions aids non-invasive surveillance to hepatocellular carcinoma by low-pass genome-wide bisulfite sequencing. BMC Medicine, 2020, 18, 200.	5.5	25
40	Inflammatory Response to Regulated Cell Death in Gout and Its Functional Implications. Frontiers in Immunology, 2022, 13, 888306.	4.8	24
41	Identification of Hyper-Methylated Tumor Suppressor Genes-Based Diagnostic Panel for Esophageal Squamous Cell Carcinoma (ESCC) in a Chinese Han Population. Frontiers in Genetics, 2018, 9, 356.	2.3	23
42	Epigenetic Regulation Mediated by Methylation in the Pathogenesis and Precision Medicine of Rheumatoid Arthritis. Frontiers in Genetics, 2020, 11, 811.	2.3	23
43	Functional Principal Component Analysis and Randomized Sparse Clustering Algorithm for Medical Image Analysis. PLoS ONE, 2015, 10, e0132945.	2.5	22
44	Noninvasive chimeric DNA profiling identifies tumor-originated HBV integrants contributing to viral antigen expression in liver cancer. Hepatology International, 2020, 14, 326-337.	4.2	20
45	Positional cloning and next-generation sequencing identified a TGM6 mutation in a large Chinese pedigree with acute myeloid leukaemia. European Journal of Human Genetics, 2015, 23, 218-223.	2.8	19
46	Inhibition of BRAF Sensitizes Thyroid Carcinoma to Immunotherapy by Enhancing tsMHCII-mediated Immune Recognition. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 91-107.	3.6	18
47	(5R)-5-Hydroxytriptolide (LLDT-8) induces substantial epigenetic mediated immune response network changes in fibroblast-like synoviocytes from rheumatoid arthritis patients. Scientific Reports, 2019, 9, 11155.	3.3	16
48	DNA hypermethylation contributes to colorectal cancer metastasis by regulating the binding of CEBPB and TFCP2 to the CPEB1 promoter. Clinical Epigenetics, 2021, 13, 89.	4.1	16
49	Significant SNPs have limited prediction ability for thyroid cancer. Cancer Medicine, 2014, 3, 731-735.	2.8	15
50	Mechanisms of DNA Methylation in Virus-Host Interaction in Hepatitis B Infection: Pathogenesis and Oncogenetic Properties. International Journal of Molecular Sciences, 2021, 22, 9858.	4.1	15
51	A gene-based recessive diplotype exome scan discovers FGF6, a novel hepcidin-regulating iron-metabolism gene. Blood, 2019, 133, 1888-1898.	1.4	14
52	MicroRNA Variants and HLA-miRNA Interactions are Novel Rheumatoid Arthritis Susceptibility Factors. Frontiers in Genetics, 2021, 12, 747274.	2.3	14
53	Quantitative assessment of the diagnostic role of FHIT promoter methylation in non-small cell lung cancer. Oncotarget, 2017, 8, 6845-6856.	1.8	13
54	Biomarkers to Predict DMARDs Efficacy and Adverse Effect in Rheumatoid Arthritis. Frontiers in Immunology, 2022, 13, 865267.	4.8	12

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55	Circulating Level of Blood Iron and Copper Associated with Inflammation and Disease Activity of Rheumatoid Arthritis. Biological Trace Element Research, 2023, 201, 90-97.	3.5	12
56	Copy number variations of HLA-DRB5 is associated with systemic lupus erythematosus risk in Chinese Han population. Acta Biochimica Et Biophysica Sinica, 2014, 46, 155-160.	2.0	11
57	Genetic variant of miR-4293 rs12220909 is associated with susceptibility to non-small cell lung cancer in a Chinese Han population. PLoS ONE, 2017, 12, e0175666.	2.5	11
58	DNA Methylation of T Lymphocytes as a Therapeutic Target: Implications for Rheumatoid Arthritis Etiology. Frontiers in Immunology, 2022, 13, 863703.	4.8	11
59	Quantitative assessment of the variation in IGF2BP2 gene and type 2 diabetes risk. Acta Diabetologica, 2012, 49, 87-97.	2.5	10
60	Association between copy number variations of HLA-DQA1 and ankylosing spondylitis in the Chinese Han population. Genes and Immunity, 2013, 14, 500-503.	4.1	10
61	9q33.3, A Stress-Related Chromosome Region, Contributes to Reducing Lung Squamous Cell Carcinoma Risk. Journal of Thoracic Oncology, 2014, 9, 1041-1047.	1.1	10
62	Hypermethylation reduces the expression of PNPLA7 in hepatocellular carcinoma. Oncology Letters, 2016, 12, 670-674.	1.8	9
63	Conditional Generative Adversarial Networks for Individualized Treatment Effect Estimation and Treatment Selection. Frontiers in Genetics, 2020, 11, 585804.	2.3	9
64	MICA â^—012:01 Allele Facilitates the Metastasis of KRAS-Mutant Colorectal Cancer. Frontiers in Genetics, 2020, 11, 511.	2.3	9
65	G-Protein-Coupled Receptors in Rheumatoid Arthritis: Recent Insights into Mechanisms and Functional Roles. Frontiers in Immunology, 0, 13, .	4.8	9
66	Associations of MultipleNOTCH4Exonic Variants with Systemic Sclerosis. Journal of Rheumatology, 2019, 46, 184-189.	2.0	8
67	Targeted Bisulfite Sequencing Reveals DNA Methylation Changes in Zinc Finger Family Genes Associated With KRAS Mutated Colorectal Cancer. Frontiers in Cell and Developmental Biology, 2021, 9, 759813.	3.7	7
68	Prediction of lung cancer risk in Chinese population with geneticâ€environment factor using extreme gradient boosting. Cancer Medicine, 2022, 11, 4469-4478.	2.8	7
69	Increased DOT1L in synovial biopsies of patients with OA and RA. Clinical Rheumatology, 2018, 37, 1327-1332.	2.2	6
70	Polymorphism rs3819102 in thymidylate synthase and environmental factors: effects on lung cancer in Chinese population. Current Problems in Cancer, 2019, 43, 66-74.	2.0	6
71	Association between HLA-DQA1 gene copy number polymorphisms and susceptibility to rheumatoid arthritis in Chinese Han population. Journal of Genetics, 2014, 93, 215-218.	0.7	4
72	Copy Number Variation of HLA-DQA1 and APOBEC3A/3B Contribute to the Susceptibility of Systemic Sclerosis in the Chinese Han Population. Journal of Rheumatology, 2016, 43, 880-886.	2.0	4

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73	A new lead single flow battery in a composite perchloric acid system with high specific surface capacity for large-scale energy storage. Journal of Solid State Electrochemistry, 2017, 21, 3533-3543.	2.5	4
74	Novel approach by natural language processing for COVID-19 knowledge discovery. Biomedical Journal, 2022, 45, 472-481.	3.1	4
75	Trends in the Contribution of Genetic Susceptibility Loci to Hyperuricemia and Gout and Associated Novel Mechanisms. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	4
76	Effect of rs13181 and rs1799793 polymorphisms and environmental factors on the prognosis of patients with lung cancer. American Journal of Translational Research (discontinued), 2020, 12, 6941-6953.	0.0	3
77	Associations Between CAMKK1 Polymorphism rs7214723 and the Prognosis of Patients With Lung Cancer. Frontiers in Oncology, 2021, 11, 757484.	2.8	3
78	Prognosis of lung cancer with simple brain metastasis patients and establishment of survival prediction models: a study based on real events. BMC Pulmonary Medicine, 2022, 22, 162.	2.0	3
79	RNA-seq and Network Analysis Reveal Unique Chemokine Activity Signatures in the Synovial Tissue of Patients With Rheumatoid Arthritis. Frontiers in Medicine, 2022, 9, .	2.6	3
80	Multiple functional linear model for association analysis of RNAâ€seq with imaging. Quantitative Biology, 2015, 3, 90-102.	0.5	2
81	The relevance analysis of GSTP1 rs1695 and lung cancer in the Chinese Han population. International Journal of Biological Markers, 2021, 36, 172460082110392.	1.8	2
82	Remediation of ABCG5-Linked Macrothrombocytopenia With Ezetimibe Therapy. Frontiers in Genetics, 2021, 12, 769699.	2.3	1
83	Targeting SHP2 Sensitizes Papillary Thyroid Cancer Cells to MEK Inhibitors. SSRN Electronic Journal, 0, , .	0.4	0
84	Epigenetic Repressing of CPEB1 Enhances Malignant Progression by Reducing Chromatin Accessibility of CEBPB in Colorectal Cancer. SSRN Electronic Journal, 0, , .	0.4	0
85	Genome-wide identification of m6A-associated functional SNPs as potential functional variants for thyroid cancer. American Journal of Cancer Research, 2021, 11, 5402-5414.	1.4	0
86	Targeting SHP2 sensitizes differentiated thyroid carcinoma to the MEK inhibitor.. American Journal of Cancer Research, 2022, 12, 247-264.	1.4	0