

Jan-Gowth Chang

List of Publications by Year in descending order

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201674

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102
docs citations

102
times ranked

3596
citing authors

#	ARTICLE	IF	CITATIONS
1	MALAT1 long non-coding RNA is overexpressed in multiple myeloma and may serve as a marker to predict disease progression. BMC Cancer, 2014, 14, 809.	2.6	134
2	Long noncoding RNA TUG1 is downregulated in non-small cell lung cancer and can regulate CELF1 on binding to PRC2. BMC Cancer, 2016, 16, 583.	2.6	94
3	High-resolution melting: Applications in genetic disorders. Clinica Chimica Acta, 2012, 414, 197-201.	1.1	77
4	Epigenetic alteration of the SOCS1 gene in chronic myeloid leukaemia. British Journal of Haematology, 2003, 123, 654-661.	2.5	75
5	Transcribed pseudogene <i>TPPM1K</i> generates endogenous siRNA to suppress oncogenic cell growth in hepatocellular carcinoma. Nucleic Acids Research, 2013, 41, 3734-3747.	14.5	57
6	Characteristics and prevalence of KRAS, BRAF, and PIK3CA mutations in colorectal cancer by high-resolution melting analysis in Taiwanese population. Clinica Chimica Acta, 2012, 413, 1605-1611.	1.1	56
7	Small Molecule Amiloride Modulates Oncogenic RNA Alternative Splicing to Devitalize Human Cancer Cells. PLoS ONE, 2011, 6, e18643.	2.5	53
8	lncRNA NTT/PBOV1 Axis Promotes Monocyte Differentiation and Is Elevated in Rheumatoid Arthritis. International Journal of Molecular Sciences, 2018, 19, 2806.	4.1	51
9	Long noncoding RNA MIAT promotes non-small cell lung cancer proliferation and metastasis through MMP9 activation. Oncotarget, 2017, 8, 98148-98162.	1.8	50
10	Identification of novel mutations in endometrial cancer patients by whole-exome sequencing. International Journal of Oncology, 2017, 50, 1778-1784.	3.3	43
11	Rapid identification of HBB gene mutations by high-resolution melting analysis. Clinical Biochemistry, 2009, 42, 1667-1676.	1.9	41
12	DNA-Sensing and Nuclease Gene Expressions as Markers for Colorectal Cancer Progression. Oncology, 2017, 92, 115-124.	1.9	41
13	Demethylation within the proximal promoter region of human estrogen receptor alpha gene correlates with its enhanced expression: Implications for female bias in lupus. Molecular Immunology, 2014, 61, 28-37.	2.2	39
14	Fast simultaneous detection of K-RAS mutations in colorectal cancer. BMC Cancer, 2009, 9, 179.	2.6	38
15	lncRNAMap: A map of putative regulatory functions in the long non-coding transcriptome. Computational Biology and Chemistry, 2014, 50, 41-49.	2.3	36
16	Muscle developmental defects in heterogeneous nuclear Ribonucleoprotein A1 knockout mice. Open Biology, 2017, 7, 160303.	3.6	36
17	5-ethylisopropylamiloride enhances SMN2 exon 7 inclusion and protein expression in spinal muscular atrophy cells. Annals of Neurology, 2008, 63, 26-34.	5.3	35
18	Metabolic Imaging Phenotype Using Radiomics of [18F]FDG PET/CT Associated with Genetic Alterations of Colorectal Cancer. Molecular Imaging and Biology, 2019, 21, 183-190.	2.6	35

#	ARTICLE	IF	CITATIONS
19	Mutation profile of non-small cell lung cancer revealed by next generation sequencing. <i>Respiratory Research</i> , 2021, 22, 3.	3.6	35
20	High resolution melting analysis facilitates mutation screening of ETFDH gene: Applications in riboflavin-responsive multiple acyl-CoA dehydrogenase deficiency. <i>Clinica Chimica Acta</i> , 2010, 411, 690-699.	1.1	34
21	The correlation between CpG methylation on promoter and protein expression of E-cadherin in oral squamous cell carcinoma. <i>Anticancer Research</i> , 2002, 22, 3971-5.	1.1	34
22	Somatic Mutations and Genetic Variants of NOTCH1 in Head and Neck Squamous Cell Carcinoma Occurrence and Development. <i>Scientific Reports</i> , 2016, 6, 24014.	3.3	33
23	Mutation Analysis of K-ras Oncogenes in Gastroenterologic Cancers by the Amplified Created Restriction Sites Method. <i>American Journal of Clinical Pathology</i> , 1993, 100, 686-689.	0.7	31
24	High-resolution melting analyses for genetic variants in ARID5B and IKZF1 with childhood acute lymphoblastic leukemia susceptibility loci in Taiwan. <i>Blood Cells, Molecules, and Diseases</i> , 2014, 52, 140-145.	1.4	31
25	Histone-modifying genes as biomarkers in hepatocellular carcinoma. <i>International Journal of Clinical and Experimental Pathology</i> , 2014, 7, 2496-507.	0.5	31
26	Male-Specific Long Noncoding RNA TTTY15 Inhibits Non-Small Cell Lung Cancer Proliferation and Metastasis via TBX4. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3473.	4.1	29
27	Detection of the JAK2 V617F missense mutation by high resolution melting analysis and its validation. <i>Clinica Chimica Acta</i> , 2009, 408, 39-44.	1.1	28
28	Detection of N-, H-, and KRAS codons 12, 13, and 61 mutations with universal RAS primer multiplex PCR and N-, H-, and KRAS-specific primer extension. <i>Clinical Biochemistry</i> , 2010, 43, 296-301.	1.9	28
29	The Overexpression of FEN1 and RAD54B May Act as Independent Prognostic Factors of Lung Adenocarcinoma. <i>PLoS ONE</i> , 2015, 10, e0139435.	2.5	28
30	Mutation analysis of 13 driver genes of colorectal cancer-related pathways in Taiwanese patients. <i>World Journal of Gastroenterology</i> , 2016, 22, 2314-2325.	3.3	28
31	Subcellular and Functional Proteomic Analysis of the Cellular Responses Induced by Helicobacter pylori. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 702-713.	3.8	27
32	Development of a high-resolution melting method for the screening of Wilson disease-related ATP7B gene mutations. <i>Clinica Chimica Acta</i> , 2010, 411, 1223-1231.	1.1	25
33	Impact of Enterobius vermicularis infection and mebendazole treatment on intestinal microbiota and host immune response. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005963.	3.0	25
34	Genetic Alterations in Colorectal Cancer Have Different Patterns on 18F-FDG PET/CT. <i>Clinical Nuclear Medicine</i> , 2015, 40, 621-626.	1.3	24
35	Genetic alterations in endometrial cancer by targeted next-generation sequencing. <i>Experimental and Molecular Pathology</i> , 2016, 100, 8-12.	2.1	24
36	CSNK1E/CTNBN1 Are Synthetic Lethal To TP53 in Colorectal Cancer and Are Markers for Prognosis. <i>Neoplasia</i> , 2014, 16, 441-450.	5.3	23

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37	Detection of Molecular Alterations in Taiwanese Patients with Medullary Thyroid Cancer Using Whole-Exome Sequencing. <i>Endocrine Pathology</i> , 2018, 29, 324-331.	9.0	23
38	G6PD as a predictive marker for glioma risk, prognosis and chemosensitivity. <i>Journal of Neuro-Oncology</i> , 2018, 139, 661-670.	2.9	22
39	The use of high resolution melting analysis to detect Fabry mutations in heterozygous females via dry bloodspots. <i>Clinica Chimica Acta</i> , 2012, 413, 422-427.	1.1	21
40	Pseudogene-Derived Endogenous siRNAs and Their Function. <i>Methods in Molecular Biology</i> , 2014, 1167, 227-239.	0.9	21
41	Molecular characterization of colorectal cancer using whole-exome sequencing in a Taiwanese population. <i>Cancer Medicine</i> , 2019, 8, 3738-3747.	2.8	18
42	RAS, BRAF, and TP53 Gene Mutations in Taiwanese Colorectal Cancer Patients. <i>Oncology Research and Treatment</i> , 2013, 36, 719-724.	1.2	17
43	Metatranscriptomic Analysis of Human Lung Metagenomes from Patients with Lung Cancer. <i>Genes</i> , 2021, 12, 1458.	2.4	17
44	Expression of BUBR1 in human oral potentially malignant disorders and squamous cell carcinoma. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2010, 109, 257-267.	1.4	16
45	Combined mutational analysis of RAS, BRAF, PIK3CA, and TP53 genes in Taiwanese patients with oral squamous cell carcinoma. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2014, 118, 110-116.e1.	0.4	16
46	Development of a high-resolution melting method for the detection of hemoglobin alpha variants. <i>Clinical Biochemistry</i> , 2010, 43, 671-676.	1.9	15
47	Modulation the alternative splicing of GLA (IVS4+919G>A) in Fabry disease. <i>PLoS ONE</i> , 2017, 12, e0175929.	2.5	15
48	Comparison of two different screening methods for the KRAS mutation in colorectal cancer. <i>Clinical Laboratory</i> , 2010, 56, 175-86.	0.5	15
49	High-resolution melting curve (HRM) analysis to establish CYP21A2 mutations converted from the CYP21A1P in congenital adrenal hyperplasia. <i>Clinica Chimica Acta</i> , 2011, 412, 1918-1923.	1.1	14
50	Increased expression of PRL-1 protein correlates with shortened patient survival in human hepatocellular carcinoma. <i>Clinical and Translational Oncology</i> , 2012, 14, 287-293.	2.4	14
51	Uncovering synthetic lethal interactions for therapeutic targets and predictive markers in lung adenocarcinoma. <i>Oncotarget</i> , 2016, 7, 73664-73680.	1.8	14
52	Whole-exome sequencing for the genetic diagnosis of congenital red blood cell membrane disorders in Taiwan. <i>Clinica Chimica Acta</i> , 2018, 487, 311-317.	1.1	13
53	Genome-Wide Analysis of Prognostic Alternative Splicing Signature and Splicing Factors in Lung Adenocarcinoma. <i>Genes</i> , 2020, 11, 1300.	2.4	13
54	High Expression Level of Tra2- β 1 Is Responsible for Increased SMN2 Exon 7 Inclusion in the Testis of SMA Mice. <i>PLoS ONE</i> , 2015, 10, e0120721.	2.5	12

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55	A novel miRNA-based classification model of risks and stages for clear cell renal cell carcinoma patients. <i>BMC Bioinformatics</i> , 2021, 22, 270.	2.6	12
56	High-resolution melting (HRM) analysis as a feasible method for detecting spinal muscular atrophy via dried blood spots. <i>Clinica Chimica Acta</i> , 2012, 413, 1781-1785.	1.1	11
57	Detection of KRAS codon 12 and 13 mutations by mutant-enriched PCR assay. <i>Clinica Chimica Acta</i> , 2014, 436, 169-175.	1.1	11
58	Mutation Analysis of KCNQ1, KCNH2 and SCN5A Genes in Taiwanese Long QT Syndrome Patients. <i>International Heart Journal</i> , 2015, 56, 450-453.	1.0	11
59	Analysing the mutational status of adenomatous polyposis coli (APC) gene in breast cancer. <i>Cancer Cell International</i> , 2016, 16, 23.	4.1	11
60	Chromosomal microarray and whole-exome sequence analysis in Taiwanese patients with autism spectrum disorder. <i>Molecular Genetics & Genomic Medicine</i> , 2019, 7, e996.	1.2	11
61	<i>Antrodia cinnamomea</i> , a Treasured Medicinal Mushroom, Induces Growth Arrest in Breast Cancer Cells, T47D Cells: New Mechanisms Emerge. <i>International Journal of Molecular Sciences</i> , 2019, 20, 833.	4.1	11
62	Evaluation of whole exome sequencing by targeted gene sequencing and Sanger sequencing. <i>Clinica Chimica Acta</i> , 2017, 471, 222-232.	1.1	10
63	4 β -Hydroxywithanolide E Modulates Alternative Splicing of Apoptotic Genes in Human Hepatocellular Carcinoma Huh-7 Cells. <i>Scientific Reports</i> , 2017, 7, 7290.	3.3	10
64	High-resolution melting (HRM) analysis for the detection of single nucleotide polymorphisms in microRNA target sites. <i>Clinica Chimica Acta</i> , 2012, 413, 1092-1097.	1.1	9
65	BubR1 Acts as a Promoter in Cellular Motility of Human Oral Squamous Cancer Cells through Regulating MMP-2 and MMP-9. <i>International Journal of Molecular Sciences</i> , 2015, 16, 15104-15117.	4.1	9
66	Securinine enhances SMN2 exon 7 inclusion in spinal muscular atrophy cells. <i>Biomedicine and Pharmacotherapy</i> , 2017, 88, 708-714.	5.6	9
67	Correlation of genomic alterations between tumor tissue and circulating tumor DNA by next-generation sequencing. <i>Journal of Cancer Research and Clinical Oncology</i> , 2018, 144, 2167-2175.	2.5	9
68	Determination of the mutational landscape in Taiwanese patients with papillary thyroid cancer by whole-exome sequencing. <i>Human Pathology</i> , 2018, 78, 151-158.	2.0	9
69	Alternative splicing in human cancer cells is modulated by the amiloride derivative 3,5-diamino-6-chloro-N-(2,6-dichlorobenzoyl)carbamimidoyl)pyrazine-2-carboxide. <i>Molecular Oncology</i> , 2019, 13, 1744-1762.		9
70	Prenatal diagnosis of thalassemia in the Chinese. <i>American Journal of Hematology</i> , 1997, 55, 65-68.	4.1	8
71	Rapid identification of CYP2C8 polymorphisms by high resolution melting analysis. <i>Clinica Chimica Acta</i> , 2012, 413, 298-302.	1.1	8
72	Prognostic Value of RNASEH2A-, CDK1-, and CD151-Related Pathway Gene Profiling for Kidney Cancers. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1586.	4.1	8

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73	Construction and Validation of a Prognostic Gene-Based Model for Overall Survival Prediction in Hepatocellular Carcinoma Using an Integrated Statistical and Bioinformatic Approach. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1632.	4.1	8
74	pseudoMap: an innovative and comprehensive resource for identification of siRNA-mediated mechanisms in human transcribed pseudogenes. <i>Database: the Journal of Biological Databases and Curation</i> , 2013, 2013, bat001-bat001.	3.0	7
75	Rapid detection of K-, N-, H-RAS, and BRAF hotspot mutations in thyroid cancer using the multiplex primer extension. <i>Clinical Biochemistry</i> , 2013, 46, 1572-1577.	1.9	6
76	Developing and Evaluating the HRM Technique for Identifying Cytochrome P450 2D6 Polymorphisms. <i>Journal of Clinical Laboratory Analysis</i> , 2015, 29, 220-225.	2.1	6
77	Whole exome sequencing in Dandy-Walker variant with intellectual disability reveals an activating CIP2A mutation as novel genetic cause. <i>Neurogenetics</i> , 2018, 19, 157-163.	1.4	6
78	Immunohistochemical Expression of Five Protein Combinations Revealed as Prognostic Markers in Asian Oral Cancer. <i>Frontiers in Genetics</i> , 2021, 12, 643461.	2.3	6
79	Validating the Sensitivity of High-Resolution Melting Analysis for JAK2 V617F Mutation in the Clinical Setting. <i>Journal of Clinical Laboratory Analysis</i> , 2016, 30, 838-844.	2.1	5
80	High-resolution Melting Analysis for Gene Scanning of Adenomatous Polyposis Coli (APC) Gene With Oral Squamous Cell Carcinoma Samples. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2016, 24, 97-104.	1.2	5
81	Genome-wide analysis of lncRNAs in 3'-untranslated regions: CR933609 acts as a decoy to protect the INO80D gene. <i>International Journal of Oncology</i> , 2018, 53, 417-433.	3.3	5
82	Oxidative Stress-Induced Unscheduled CDK1-Cyclin B1 Activity Impairs ER-Mitochondria-Mediated Bioenergetic Metabolism. <i>Cells</i> , 2021, 10, 1280.	4.1	5
83	A nine-gene signature identification and prognostic risk prediction for patients with lung adenocarcinoma using novel machine learning approach. <i>Computers in Biology and Medicine</i> , 2022, 145, 105493.	7.0	5
84	Development of a high-resolution melting method for the screening of TNFAIP3 gene mutations. <i>Oncology Reports</i> , 2016, 35, 2936-2942.	2.6	4
85	The Fusion Gene Landscape in Taiwanese Patients with Non-Small Cell Lung Cancer. <i>Cancers</i> , 2021, 13, 1343.	3.7	4
86	An XIST-related small RNA regulates KRAS G-quadruplex formation beyond X-inactivation. <i>Oncotarget</i> , 2016, 7, 86713-86729.	1.8	4
87	Fasting glucose-to-HbA1c ratio is a good indicator of G6PD deficiency, but not thalassemia, in patients with type 2 diabetes mellitus. <i>Clinica Chimica Acta</i> , 2020, 506, 9-15.	1.1	3
88	Clinical application of liquid biopsy in cancer patients. <i>BMC Cancer</i> , 2022, 22, 413.	2.6	3
89	Genetic contributions to female gout and hyperuricaemia using genome-wide association study and polygenic risk score analyses. <i>Rheumatology</i> , 2023, 62, 638-646.	1.9	3
90	Synthesis and antitumor activity evaluation of anilinoquinoline derivatives by the effect on the expression of polo-like kinase. <i>Medicinal Chemistry Research</i> , 2014, 23, 1437-1446.	2.4	2

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91	Rapid Identification of FGFR2 Gene Mutations in Taiwanese Patients With Endometrial Cancer Using High-resolution Melting Analysis. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2015, 23, 532-537.	1.2	2
92	TCH1036, a indeno[1,2-c]quinoline derivative, potentially inhibited the growth of human brain malignant glioma (GBM) 8401 cells via suppression of the expression of Suv39h1 and PARP. <i>Biomedicine and Pharmacotherapy</i> , 2016, 82, 649-659.	5.6	2
93	Long Noncoding RNA NTT Context-Dependently Regulates MYB by Interacting With Activated Complex in Hepatocellular Carcinoma Cells. <i>Frontiers in Oncology</i> , 2021, 11, 592045.	2.8	2
94	Application of Whole Exome Sequencing and Functional Annotations to Identify Genetic Variants Associated with Marfan Syndrome. <i>Journal of Personalized Medicine</i> , 2022, 12, 198.	2.5	2
95	Mutation Analysis of Second Primary Tumors in Oral Cancer in Taiwanese Patients through Next-Generation Sequencing. <i>Diagnostics</i> , 2022, 12, 951.	2.6	2
96	Direct assessment of cytochrome P450 2D6 genotypes by high-resolution melting analysis and DNA sequencing. <i>Environmental Toxicology and Pharmacology</i> , 2014, 38, 821-828.	4.0	1
97	Congenital dyserythropoiesis anemia type Ia with a novel <i>CDAN1</i> mutation diagnosed by whole exome sequencing. <i>Molecular Genetics & Genomic Medicine</i> , 2020, 8, e1220.	1.2	1
98	Mitochondrial DNA haplogroups affect physical performances in Han older adults: an 8-year follow-up prospective cohort study. <i>Geriatrics and Gerontology International</i> , 2021, 21, 166-171.	1.5	1
99	Mutation Analysis of Second Primary Tumors in the Head and Neck Cancer by Next Generation Sequencing. , 2018, , .		0