

Leping Li

List of Publications by Year in descending order

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93
papers

8,541
citations

57631

44
h-index

48187

88
g-index

95
all docs

95
docs citations

95
times ranked

13349
citing authors

#	ARTICLE	IF	CITATIONS
1	ART: a next-generation sequencing read simulator. <i>Bioinformatics</i> , 2012, 28, 593-594.	1.8	1,234
2	New tricks for modelers from the crystallography toolkit: the particle mesh Ewald algorithm and its use in nucleic acid simulations. <i>Structure</i> , 1999, 7, R55-R60.	1.6	571
3	Gene selection for sample classification based on gene expression data: study of sensitivity to choice of parameters of the GA/KNN method. <i>Bioinformatics</i> , 2001, 17, 1131-1142.	1.8	560
4	Oct4/Sox2-Regulated miR-302 Targets Cyclin D1 in Human Embryonic Stem Cells. <i>Molecular and Cellular Biology</i> , 2008, 28, 6426-6438.	1.1	462
5	Pausing of RNA Polymerase II Disrupts DNA-Specified Nucleosome Organization to Enable Precise Gene Regulation. <i>Cell</i> , 2010, 143, 540-551.	13.5	369
6	ENmix: a novel background correction method for Illumina HumanMethylation450 BeadChip. <i>Nucleic Acids Research</i> , 2016, 44, e20-e20.	6.5	267
7	NELF-mediated stalling of Pol II can enhance gene expression by blocking promoter-proximal nucleosome assembly. <i>Genes and Development</i> , 2008, 22, 1921-1933.	2.7	256
8	Prediction of Compound Signature Using High Density Gene Expression Profiling. <i>Toxicological Sciences</i> , 2002, 67, 232-240.	1.4	251
9	Gene Expression Profiling of Rat Livers Reveals Indicators of Potential Adverse Effects. <i>Toxicological Sciences</i> , 2004, 80, 193-202.	1.4	199
10	Gene selection and clustering for time-course and dose-response microarray experiments using order-restricted inference. <i>Bioinformatics</i> , 2003, 19, 834-841.	1.8	185
11	Gene Assessment and Sample Classification for Gene Expression Data Using a Genetic Algorithm / k-nearest Neighbor Method. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2001, 4, 727-739.	0.6	169
12	The Ubiquitin-Interacting Motifâ€œContaining Protein RAP80 Interacts with BRCA1 and Functions in DNA Damage Repair Response. <i>Cancer Research</i> , 2007, 67, 6647-6656.	0.4	150
13	PAVIS: a tool for <u>P</u>eak <u>A</u>notation and <u>Vis</u>ualization. <i>Bioinformatics</i> , 2013, 29, 3097-3099.	1.8	148
14	A comprehensive genomic pan-cancer classification using The Cancer Genome Atlas gene expression data. <i>BMC Genomics</i> , 2017, 18, 508.	1.2	145
15	Cloning of CYP2J2 Gene and Identification of Functional Polymorphisms. <i>Molecular Pharmacology</i> , 2002, 61, 840-852.	1.0	132
16	DNA methylation prevents CTCF-mediated silencing of the oncogene <i>BCL6</i> in B cell lymphomas. <i>Journal of Experimental Medicine</i> , 2010, 207, 1939-1950.	4.2	124
17	An Atomic Model for the Pleated Î²-Sheet Structure of AÎ² Amyloid Protofilaments. <i>Biophysical Journal</i> , 1999, 76, 2871-2878.	0.2	120
18	Antitumor Agents. 150. 2',3',4',5',5,6,7-Substituted 2-Phenyl-4-quinolones and Related Compounds: Their Synthesis, Cytotoxicity, and Inhibition of Tubulin Polymerization. <i>Journal of Medicinal Chemistry</i> , 1994, 37, 1126-1135.	2.9	119

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19	Antitumor Agents 155. Synthesis and Biological Evaluation of 3',6,7-Substituted 2-Phenyl-4-quinolones as Antimicrotubule Agents. <i>Journal of Medicinal Chemistry</i> , 1994, 37, 3400-3407.	2.9	118
20	A minor groove binding track in reverse transcriptase. <i>Nature Structural Biology</i> , 1997, 4, 194-197.	9.7	111
21	Locus co-occupancy, nucleosome positioning, and H3K4me1 regulate the functionality of FOXA2-, HNF4A-, and PDX1-bound loci in islets and liver. <i>Genome Research</i> , 2010, 20, 1037-1051.	2.4	109
22	Research Resource: Whole-Genome Estrogen Receptor β Binding in Mouse Uterine Tissue Revealed by CHIP-Seq. <i>Molecular Endocrinology</i> , 2012, 26, 887-898.	3.7	109
23	Estrogen-mediated Regulation of Igf1 Transcription and Uterine Growth Involves Direct Binding of Estrogen Receptor β to Estrogen-responsive Elements. <i>Journal of Biological Chemistry</i> , 2010, 285, 2676-2685.	1.6	105
24	MAP3K4/CBP-Regulated H2B Acetylation Controls Epithelial-Mesenchymal Transition in Trophoblast Stem Cells. <i>Cell Stem Cell</i> , 2011, 8, 525-537.	5.2	102
25	GADEM: A Genetic Algorithm Guided Formation of Spaced Dyads Coupled with an EM Algorithm for Motif Discovery. <i>Journal of Computational Biology</i> , 2009, 16, 317-329.	0.8	95
26	Transcriptional Repression by the BRG1-SWI/SNF Complex Affects the Pluripotency of Human Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2014, 3, 460-474.	2.3	93
27	Application of the GA/KNN method to SELDI proteomics data. <i>Bioinformatics</i> , 2004, 20, 1638-1640.	1.8	85
28	Identification of Residues 99, 220, and 221 of Human Cytochrome P450 2C19 as Key Determinants of Omeprazole Hydroxylase Activity. <i>Journal of Biological Chemistry</i> , 1996, 271, 12496-12501.	1.6	77
29	The Three-Dimensional Structure of Bovine Calcium Ion-Bound Osteocalcin Using ^1H NMR Spectroscopy. <i>Biochemistry</i> , 2003, 42, 7769-7779.	1.2	76
30	Revealing a human p53 universe. <i>Nucleic Acids Research</i> , 2018, 46, 8153-8167.	6.5	75
31	Antitumor Agents, 138. Rotenoids and Isoflavones as Cytotoxic Constituents from <i>Amorpha fruticosa</i> . <i>Journal of Natural Products</i> , 1993, 56, 690-698.	1.5	74
32	HNF4 β regulates sulfur amino acid metabolism and confers sensitivity to methionine restriction in liver cancer. <i>Nature Communications</i> , 2020, 11, 3978.	5.8	73
33	Characterization of constitutive CTCF/cohesin loci: a possible role in establishing topological domains in mammalian genomes. <i>BMC Genomics</i> , 2013, 14, 553.	1.2	69
34	Regulation of DNA Replication Fork Genes by 17β -Estradiol. <i>Molecular Endocrinology</i> , 2002, 16, 1215-1229.	3.7	66
35	Haploinsufficiency of SIRT1 Enhances Glutamine Metabolism and Promotes Cancer Development. <i>Current Biology</i> , 2017, 27, 483-494.	1.8	59
36	Identification of Residues 286 and 289 as Critical for Conferring Substrate Specificity of Human CYP2C9 for Diclofenac and Ibuprofen. <i>Archives of Biochemistry and Biophysics</i> , 1998, 357, 240-248.	1.4	58

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37	Identification and analysis of murine pancreatic islet enhancers. <i>Diabetologia</i> , 2013, 56, 542-552.	2.9	55
38	Role of $\hat{3}$ -Carboxyglutamic Acid in the Calcium-Induced Structural Transition of Conantokin G, a Conotoxin from the Marine Snail <i>Conus geographus</i> . <i>Biochemistry</i> , 1997, 36, 15677-15684.	1.2	54
39	p53 integrates host defense and cell fate during bacterial pneumonia. <i>Journal of Experimental Medicine</i> , 2013, 210, 891-904.	4.2	54
40	Refinement of the NMR Solution Structure of the $\hat{3}$ -Carboxyglutamic Acid Domain of Coagulation Factor IX Using Molecular Dynamics Simulation with Initial Ca^{2+} Positions Determined by a Genetic Algorithm. <i>Biochemistry</i> , 1997, 36, 2132-2138.	1.2	53
41	Identification of distinct and common gene expression changes after oxidative stress and gamma and ultraviolet radiation. <i>Molecular Carcinogenesis</i> , 2003, 37, 65-82.	1.3	53
42	ATM-Dependent and -Independent Gene Expression Changes in Response to Oxidative Stress, Gamma Irradiation, and UV Irradiation. <i>Radiation Research</i> , 2003, 160, 273-290.	0.7	52
43	Identification and functional characterization of polymorphisms in human cyclooxygenase-1 (PTGS1). <i>Pharmacogenetics and Genomics</i> , 2007, 17, 145-160.	0.7	52
44	Molecular Dynamics Simulations of the d(CCAACGTTGG) ₂ Decamer: Influence of the Crystal Environment. <i>Biophysical Journal</i> , 2000, 78, 668-682.	0.2	51
45	A random-periods model for expression of cell-cycle genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7240-7245.	3.3	45
46	Novel DNA Motif Binding Activity Observed In Vivo With an Estrogen Receptor $\hat{1}$ Mutant Mouse. <i>Molecular Endocrinology</i> , 2014, 28, 899-911.	3.7	42
47	CDSeg: A novel complete deconvolution method for dissecting heterogeneous samples using gene expression data. <i>PLoS Computational Biology</i> , 2019, 15, e1007510.	1.5	42
48	Regulation of DNA Replication Fork Genes by $17\hat{A}$ -Estradiol. <i>Molecular Endocrinology</i> , 2002, 16, 1215-1229.	3.7	42
49	Diethylstilbestrol (DES)-Stimulated Hormonal Toxicity is Mediated by ER $\hat{1}$ Alteration of Target Gene Methylation Patterns and Epigenetic Modifiers (DNMT3A , MBD2 , and HDAC2) in the Mouse Seminal Vesicle. <i>Environmental Health Perspectives</i> , 2014, 122, 262-268.	2.8	40
50	An Integrated Pipeline for the Genome-Wide Analysis of Transcription Factor Binding Sites from ChIP-Seq. <i>PLoS ONE</i> , 2011, 6, e16432.	1.1	39
51	Protection against Methoxyacetic-Acid-Induced Spermatoocyte Apoptosis with Calcium Channel Blockers in Cultured Rat Seminiferous Tubules: Possible Mechanisms. <i>Toxicology and Applied Pharmacology</i> , 1997, 144, 105-119.	1.3	37
52	Sleep Apnea and Hypoventilation in Patients with Down Syndrome: Analysis of 144 Polysomnogram Studies. <i>Children</i> , 2017, 4, 55.	0.6	37
53	Conformational Changes in Conantokin-G Induced upon Binding of Calcium and Magnesium as Revealed by NMR Structural Analysis. <i>Journal of Biological Chemistry</i> , 1998, 273, 16248-16258.	1.6	36
54	Accurate anchoring alignment of divergent sequences. <i>Bioinformatics</i> , 2006, 22, 29-34.	1.8	36

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55	Purification of Soluble Cytochrome b 5 as a Component of the Reductive Activation of Porcine Methionine Synthase. <i>Journal of Biological Chemistry</i> , 1998, 273, 26248-26255.	1.6	35
56	Vertical-scanning Mutagenesis of a Critical Tryptophan in the Minor Groove Binding Track of HIV-1 Reverse Transcriptase. <i>Journal of Biological Chemistry</i> , 1998, 273, 30435-30442.	1.6	35
57	GAPWM: a genetic algorithm method for optimizing a position weight matrix. <i>Bioinformatics</i> , 2007, 23, 1188-1194.	1.8	34
58	PIK3CÎ expression by fibroblasts promotes triple-negative breast cancer progression. <i>Journal of Clinical Investigation</i> , 2020, 130, 3188-3204.	3.9	33
59	The novel p53 target TNFAIP8 variant 2 is increased in cancer and offsets p53-dependent tumor suppression. <i>Cell Death and Differentiation</i> , 2017, 24, 181-191.	5.0	32
60	Identification of potential target genes for RFX4_v3, a transcription factor critical for brain development. <i>Journal of Neurochemistry</i> , 2006, 98, 860-875.	2.1	30
61	Novel consensus DNA-binding sequence for BRCA1 protein complexes. <i>Molecular Carcinogenesis</i> , 2003, 38, 85-96.	1.3	29
62	Efficiently identifying genome-wide changes with next-generation sequencing data. <i>Nucleic Acids Research</i> , 2011, 39, e130-e130.	6.5	29
63	The Roles of Individual Î³-Carboxyglutamate Residues in the Solution Structure and Cation-dependent Properties of Conantokin-T. <i>Journal of Biological Chemistry</i> , 1998, 273, 7512-7522.	1.6	27
64	Toward predicting metastatic progression of melanoma based on gene expression data. <i>Pigment Cell and Melanoma Research</i> , 2015, 28, 453-463.	1.5	25
65	Predicting tumor response to drugs based on gene-expression biomarkers of sensitivity learned from cancer cell lines. <i>BMC Genomics</i> , 2021, 22, 272.	1.2	25
66	Posttranscriptional Regulation of Cell-Cell Interaction Protein-Encoding Transcripts by Zfs1p in <i>Schizosaccharomyces pombe</i> . <i>Molecular and Cellular Biology</i> , 2012, 32, 4206-4214.	1.1	23
67	Mediator complex component MED13 regulates zygotic genome activation and is required for postimplantation development in the mouse. <i>Biology of Reproduction</i> , 2018, 98, 449-464.	1.2	23
68	IUTA: a tool for effectively detecting differential isoform usage from RNA-Seq data. <i>BMC Genomics</i> , 2014, 15, 862.	1.2	21
69	Prediction of solution structures of the Ca ²⁺ -bound gamma-carboxyglutamic acid domains of protein S and homolog growth arrest specific protein 6: use of the particle mesh Ewald method. <i>Biophysical Journal</i> , 1997, 73, 1847-1856.	0.2	19
70	Phase analysis of circadian-related genes in two tissues. <i>BMC Bioinformatics</i> , 2006, 7, 87.	1.2	19
71	Posttranscriptional regulation of transcript abundance by a conserved member of the tristetruprolin family in <i>Candida albicans</i> . <i>Molecular Microbiology</i> , 2015, 95, 1036-1053.	1.2	19
72	Homology modeling and molecular dynamics simulation of human prothrombin fragment 1. <i>Protein Science</i> , 1995, 4, 2341-2348.	3.1	18

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73	Deficiency of the placenta- and yolk sac-specific tristetraproline family member ZFP36L3 identifies likely mRNA targets and an unexpected link to placental iron metabolism. <i>Development (Cambridge)</i> , 2016, 143, 1424-33.	1.2	18
74	Putative genomic characteristics of BRAF V600K versus V600E cutaneous melanoma. <i>Melanoma Research</i> , 2017, 27, 527-535.	0.6	18
75	Heparan sulphate N-sulphotransferase activity: reaction mechanism and substrate recognition. <i>Biochemical Society Transactions</i> , 2003, 31, 331-334.	1.6	17
76	Genome-Wide Association Analysis of the Sense of Smell in U.S. Older Adults: Identification of Novel Risk Loci in African-Americans and European-Americans. <i>Molecular Neurobiology</i> , 2017, 54, 8021-8032.	1.9	17
77	Non-targeted urinary metabolomics in pregnancy and associations with fetal growth restriction. <i>Scientific Reports</i> , 2020, 10, 5307.	1.6	17
78	Deuterium and its role in the machinery of evolution. <i>Journal of Theoretical Biology</i> , 2006, 238, 914-918.	0.8	16
79	Optimized mixed Markov models for motif identification. <i>BMC Bioinformatics</i> , 2006, 7, 279.	1.2	16
80	The Drosophila Tis11 Protein and Its Effects on mRNA Expression in Flies. <i>Journal of Biological Chemistry</i> , 2014, 289, 35042-35060.	1.6	16
81	Glypican 6 is a putative biomarker for metastatic progression of cutaneous melanoma. <i>PLoS ONE</i> , 2019, 14, e0218067.	1.1	14
82	Id Proteins Suppress E2A-Driven Invariant Natural Killer T Cell Development prior to TCR Selection. <i>Frontiers in Immunology</i> , 2018, 9, 42.	2.2	13
83	CDSeqR: fast complete deconvolution for gene expression data from bulk tissues. <i>BMC Bioinformatics</i> , 2021, 22, 262.	1.2	11
84	Gene set enrichment analysis for non-monotone association and multiple experimental categories. <i>BMC Bioinformatics</i> , 2008, 9, 481.	1.2	10
85	Characterization of γ -Carboxyglutamic Acid Residue 21 of Human Factor IX. <i>Biochemistry</i> , 1996, 35, 10321-10327.	1.2	9
86	Intestinal epithelial glucocorticoid receptor promotes chronic inflammation-associated colorectal cancer. <i>JCI Insight</i> , 2021, 6, .	2.3	9
87	fdrMotif: identifying cis-elements by an EM algorithm coupled with false discovery rate control. <i>Bioinformatics</i> , 2008, 24, 629-636.	1.8	8
88	coMOTIF: a mixture framework for identifying transcription factor and a coregulator motif in ChIP-seq Data. <i>Bioinformatics</i> , 2011, 27, 2625-2632.	1.8	6
89	The 1H NMR structure of bovine Pb ²⁺ -osteocalcin and implications for lead toxicity. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1534-1545.	1.1	5
90	T-KDE: a method for genome-wide identification of constitutive protein binding sites from multiple ChIP-seq data sets. <i>BMC Genomics</i> , 2014, 15, 27.	1.2	3

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91	Loss of Glis3 causes dysregulation of retrotransposon silencing and germ cell demise in fetal mouse testis. <i>Scientific Reports</i> , 2018, 8, 9662.	1.6	3
92	Computational Studies of Human Prothrombin Fragment 1 the Gla Domain of Factor IX and Several Biological Interesting Mutants. <i>Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research</i> , 1996, 26, 54-59.	0.5	2
93	GADGETS: a genetic algorithm for detecting epistasis using nuclear families. <i>Bioinformatics</i> , 2021, , .	1.8	1