Yongchao Ge

List of Publications by Year
in descending order

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77 papers	16,460 citations	136950 32 h-index	91884 69 g-index

80 all docs	80 docs citations	80 times ranked	33782 citing authors

#	Article	IF	Citations
1	Bioconductor: open software development for computational biology and bioinformatics. Genome Biology, 2004, 5, R80.	9.6	10,796
2	Hallucinogens Recruit Specific Cortical 5-HT2A Receptor-Mediated Signaling Pathways to Affect Behavior. Neuron, 2007, 53, 439-452.	8.1	692
3	Patient-specific induced pluripotent stem-cell-derived models of LEOPARD syndrome. Nature, 2010, 465, 808-812.	27.8	672
4	Wdr5 Mediates Self-Renewal and Reprogramming via the Embryonic Stem Cell Core Transcriptional Network. Cell, 2011, 145, 183-197.	28.9	521
5	Critical assessment of automated flow cytometry data analysis techniques. Nature Methods, 2013, 10, 228-238.	19.0	509
6	Resampling-based multiple testing for microarray data analysis. Test, 2003, 12, 1-77.	1.1	416
7	Biopsy transcriptome expression profiling to identify kidney transplants at risk of chronic injury: a multicentre, prospective study. Lancet, The, 2016, 388, 983-993.	13.7	148
8	Molecular Transducers of Physical Activity Consortium (MoTrPAC): Mapping the Dynamic Responses to Exercise. Cell, 2020, 181, 1464-1474.	28.9	147
9	Age-related sperm DNA methylation changes are transmitted to offspring and associated with abnormal behavior and dysregulated gene expression. Molecular Psychiatry, 2015, 20, 995-1001.	7.9	144
10	SARS-CoV-2 seropositivity and subsequent infection risk in healthy young adults: a prospective cohort study. Lancet Respiratory Medicine,the, 2021, 9, 712-720.	10.7	136
11	Evolutionary History of Mammalian Transposons Determined by Genome-Wide Defragmentation. PLoS Computational Biology, 2007, 3, e137.	3.2	124
12	flowPeaks: a fast unsupervised clustering for flow cytometry data via K-means and density peak finding. Bioinformatics, 2012, 28, 2052-2058.	4.1	123
13	Development of a novel peptide microarray for large-scale epitope mapping of food allergens. Journal of Allergy and Clinical Immunology, 2009, 124, 315-322.e3.	2.9	115
14	Peripheral Blood Cytokine Profiling During Pregnancy and Postâ€partum Periods. American Journal of Reproductive Immunology, 2010, 64, 411-426.	1.2	112
15	Localized Mucosal Response to Intranasal Live Attenuated Influenza Vaccine in Adults. Journal of Infectious Diseases, 2013, 207, 115-124.	4.0	97
16	SARS-CoV-2 Transmission among Marine Recruits during Quarantine. New England Journal of Medicine, 2020, 383, 2407-2416.	27.0	94
17	Allosteric signaling through an mGlu2 and 5-HT _{2A} heteromeric receptor complex and its potential contribution to schizophrenia. Science Signaling, 2016, 9, ra5.	3.6	91
18	Molecular Analysis of Gene Expression in the Developing Pontocerebellar Projection System. Neuron, 2002, 36, 417-434.	8.1	84

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19	Antipsychotic-induced Hdac2 transcription via NF-Î¹B leads to synaptic and cognitive side effects. Nature Neuroscience, 2017, 20, 1247-1259.	14.8	79
20	In utero exposure to maternal smoking is associated with DNA methylation alterations and reduced neuronal content in the developing fetal brain. Epigenetics and Chromatin, 2017, 10, 4.	3.9	74
21	Increased DNA methylation in the suicide brain. Dialogues in Clinical Neuroscience, 2014, 16, 430-438.	3.7	74
22	Single-cell analysis shows that paracrine signaling by first responder cells shapes the interferon-Î² response to viral infection. Science Signaling, 2015, 8, ra16.	3.6	73
23	MethylomeDB: a database of DNA methylation profiles of the brain. Nucleic Acids Research, 2012, 40, D1245-D1249.	14.5	62
24	Neuronal DNA Methylation Profiling of Blast-Related Traumatic Brain Injury. Journal of Neurotrauma, 2015, 32, 1200-1209.	3.4	60
25	Compensatory redistribution of neuroligins and Nâ€cadherin following deletion of synaptic Î²1â€integrin. Journal of Comparative Neurology, 2012, 520, 2041-2052.	1.6	54
26	Alterations of miRNAs reveal a dysregulated molecular regulatory network in Parkinsonâ€™s disease striatum. Neuroscience Letters, 2016, 629, 99-104.	2.1	54
27	Sedentary and Trained Older Men Have Distinct Circulating Exosomal microRNA Profiles at Baseline and in Response to Acute Exercise. Frontiers in Physiology, 2020, 11, 605.	2.8	52
28	Ex vivo human HSC expansion requires coordination of cellular reprogramming with mitochondrial remodeling and p53 activation. Blood Advances, 2018, 2, 2766-2779.	5.2	48
29	Gene Expression Changes in Areas of Focal Loss of Retinal Ganglion Cells in the Retina of DBA/2J Mice. , 2010, 51, 2024.		47
30	Mixed Analog/Digital Gonadotrope Biosynthetic Response to Gonadotropin-releasing Hormone. Journal of Biological Chemistry, 2006, 281, 30967-30978.	3.4	46
31	Human Cytomegalovirus Modulates Monocyte-Mediated Innate Immune Responses during Short-Term Experimental LatencyIn Vitro. Journal of Virology, 2014, 88, 9391-9405.	3.4	41
32	Acute and Chronic Molecular Signatures and Associated Symptoms of Blast Exposure in Military Breachers. Journal of Neurotrauma, 2020, 37, 1221-1232.	3.4	41
33	SOME STEP-DOWN PROCEDURES CONTROLLING THE FALSE DISCOVERY RATE UNDER DEPENDENCE. Statistica Sinica, 2008, 18, 881-904.	0.3	33
34	Requirement for Protein Synthesis at Developing Synapses. Journal of Neuroscience, 2009, 29, 9778-9793.	3.6	32
35	Involvement of Histone Demethylase LSD1 in Short-Time-Scale Gene Expression Changes during Cell Cycle Progression in Embryonic Stem Cells. Molecular and Cellular Biology, 2012, 32, 4861-4876.	2.3	32
36	Perfluoroalkyl substance serum concentrations and immune response to FluMist vaccination among healthy adults. Environmental Research, 2016, 149, 171-178.	7.5	31

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37	ERM proteins regulate growth cone responses to Sema3A. Journal of Comparative Neurology, 2008, 510, 351-366.	1.6	30
38	Role of CpG context and content in evolutionary signatures of brain DNA methylation. Epigenetics, 2011, 6, 1308-1318.	2.7	30
39	Gene Expression Changes in Steroid-Induced IOP Elevation in Bovine Trabecular Meshwork. , 2011, 52, 8636.		28
40	Decrease of mRNA Editing after Spinal Cord Injury is Caused by Down-regulation of ADAR2 that is Triggered by Inflammatory Response. Scientific Reports, 2015, 5, 12615.	3.3	27
41	Retinal Gene Expression Changes Related to IOP Exposure and Axonal Loss in DBA/2J Mice. , 2011, 52, 7807.		24
42	Noise Propagation and Scaling in Regulation of Gonadotrope Biosynthesis. Biophysical Journal, 2007, 93, 4474-4480.	0.5	23
43	Attenuated activation of pulmonary immune cells in mRNA-1273â€“vaccinated hamsters after SARS-CoV-2 infection. Journal of Clinical Investigation, 2021, 131, .	8.2	23
44	Multiple testing and its applications to microarrays. Statistical Methods in Medical Research, 2009, 18, 543-563.	1.5	22
45	Single-cell stabilization method identifies gonadotrope transcriptional dynamics and pituitary cell type heterogeneity. Nucleic Acids Research, 2018, 46, 11370-11380.	14.5	21
46	Asymptomatic SARS-CoV-2 Infection Is Associated With Higher Levels of Serum IL-17C, Matrix Metalloproteinase 10 andÂFibroblast Growth Factors Than Mild Symptomatic COVID-19. Frontiers in Immunology, 2022, 13, 821730.	4.8	21
47	Blast-Related Mild TBI Alters Anxiety-Like Behavior and Transcriptional Signatures in the Rat Amygdala. Frontiers in Behavioral Neuroscience, 2020, 14, 160.	2.0	20
48	Nonsense mutations of the bHLH transcription factor TWIST2 found in Setleis Syndrome patients cause dysregulation of periostin. International Journal of Biochemistry and Cell Biology, 2011, 43, 1523-1531.	2.8	18
49	Lowâ€variance RNAs identify Parkinson's disease molecular signature in blood. Movement Disorders, 2015, 30, 813-821.	3.9	18
50	Skeletal muscle transcriptional networks linked to type I myofiber grouping in Parkinsonâ€™s disease. Journal of Applied Physiology, 2020, 128, 229-240.	2.5	18
51	Regulatory Architecture of the LÎ²T2 Gonadotrope Cell Underlying the Response to Gonadotropin-Releasing Hormone. Frontiers in Endocrinology, 2018, 9, 34.	3.5	15
52	Rehabilitative Impact of Exercise Training on Human Skeletal Muscle Transcriptional Programs in Parkinsonâ€™s Disease. Frontiers in Physiology, 2020, 11, 653.	2.8	15
53	Cytogenetic, Genomic, and Functional Characterization of Pituitary Gonadotrope Cell Lines. Journal of the Endocrine Society, 2019, 3, 902-920.	0.2	13
54	SARS-CoV-2 Seropositivity among US Marine Recruits Attending Basic Training, United States, Springâ€“Fall 2020. Emerging Infectious Diseases, 2021, 27, 1188-1192.	4.3	13

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55	Bisulfite Amplicon Sequencing Can Detect Glia and Neuron Cell-Free DNA in Blood Plasma. Frontiers in Molecular Neuroscience, 2021, 14, 672614.	2.9	12
56	Contribution of Age, Brain Region, Mood Disorder Pathology, and Interindividual Factors on the Methylome of Human Microglia. Biological Psychiatry, 2022, 91, 572-581.	1.3	12
57	Viable virus shedding during SARS-CoV-2 reinfection. Lancet Respiratory Medicine,the, 2021, 9, e56-e57.	10.7	11
58	Differential analysis of chromatin accessibility and gene expression profiles identifies cis-regulatory elements in rat adipose and muscle. Genomics, 2021, 113, 3827-3841.	2.9	11
59	Methyl-Analyzerâ€"whole genome DNA methylation profiling. Bioinformatics, 2011, 27, 2296-2297.	4.1	8
60	The association of childhood trauma with sleep disturbances and risk of suicide in US veterans. Journal of Psychiatric Research, 2021, 136, 54-62.	3.1	8
61	Control of the False Discovery Proportion for Independently Tested Null Hypotheses. Journal of Probability and Statistics, 2012, 2012, 1-19.	0.7	6
62	Antibody Responses to SARS-CoV-2 Following an Outbreak Among Marine Recruits With Asymptomatic or Mild Infection. Frontiers in Immunology, 2021, 12, 681586.	4.8	6
63	Transcription factor GATA2 may potentiate follicle-stimulating hormone production in mice via induction of the BMP antagonist gremlin in gonadotrope cells. Journal of Biological Chemistry, 2022, 298, 102072.	3.4	5
64	Effective Use of Microarrays in Neuroendocrine Research. Journal of Neuroendocrinology, 2007, 19, 145-161.	2.6	4
65	Coregulation mapping based on individual phenotypic variation in response to virus infection. Immunome Research, 2010, 6, 2.	0.1	4
66	DNA Methylation Patterns of Chronic Explosive Breaching in U.S. Military Warfighters. Frontiers in Neurology, 2020, 11, 1010.	2.4	4
67	Penetrating Ballistic Brain Injury Produces Acute Alterations in Sleep and Circadian-Related Genes in the Rodent Cortex: A Preliminary Study. Frontiers in Neurology, 2021, 12, 745330.	2.4	4
68	A Holm-type procedure controlling the false discovery rate. Statistics and Probability Letters, 2007, 77, 1756-1762.	0.7	3
69	Brain Imagingâ€Guided Analysis Reveals DNA Methylation Profiles Correlated with Insular Surface Area and Alcohol Use Disorder. Alcoholism: Clinical and Experimental Research, 2019, 43, 628-639.	2.4	3
70	Biopsy transcriptome expression profiling: proper validation is key â€" Authors' reply. Lancet, The, 2017, 389, 601.	13.7	2
71	Earlier detection of SARSâ€CoVâ€2 infection by blood RNA signature microfluidics assay. Clinical and Translational Discovery, 2022, 2, .	0.5	2
72	Biosignatures of Stress in Suicide Neuropathology. Biological Psychiatry, 2020, 87, S145-S146.	1.3	1

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73	Optimization of the Omni-ATAC protocol to chromatin accessibility profiling in snap-frozen rat adipose and muscle tissues. MethodsX, 2022, 9, 101681.	1.6	1
74	A Comprehensive Evaluation of Human Plasmacytoid Dendritic Cells Using Small Volumes of Human Blood. Journal of Interferon and Cytokine Research, 2008, 28, 501-508.	1.2	0
75	0012 Molecular Correlates of Operational Blast and Associated Sleep Disturbances. Sleep, 2019, 42, A5-A5.	1.1	0
76	SAT-298 Integrative Single-Cell Transcriptomic and Epigenomic Landscape of Mouse Anterior Pituitary Cell Types. Journal of the Endocrine Society, 2020, 4, .	0.2	0
77	Lessons Learned From a Prospective Observational Study of U.S. Marine Recruits During a Supervised Quarantine, Springâ€'Fall 2020. , 2022, 1, 100003.		0