

Gholson J Lyon

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

8,873
citations

57758

44
h-index

46799

89
g-index

108
all docs

108
docs citations

108
times ranked

16672
citing authors

#	ARTICLE	IF	CITATIONS
1	GestaltMatcher facilitates rare disease matching using facial phenotype descriptors. <i>Nature Genetics</i> , 2022, 54, 349-357.	21.4	73
2	Synaptic processes and immune-related pathways implicated in Tourette syndrome. <i>Translational Psychiatry</i> , 2021, 11, 56.	4.8	31
3	Is Persistent Motor or Vocal Tic Disorder a Milder Form of Tourette Syndrome?. <i>Movement Disorders</i> , 2021, 36, 1899-1910.	3.9	21
4	Naa12 compensates for Naa10 in mice in the amino-terminal acetylation pathway. <i>ELife</i> , 2021, 10, .	6.0	6
5	Elevated common variant genetic risk for tourette syndrome in a densely-affected pedigree. <i>Molecular Psychiatry</i> , 2021, 26, 7522-7529.	7.9	8
6	Autosomal recessive SLC30A9 variants in a Proband with a Cerebro-Renal Syndrome and No Parental Consanguinity. <i>Journal of Physical Education and Sports Management</i> , 2021, , mcs.a006137.	1.2	4
7	Missense variants in <i>TAF1</i> and developmental phenotypes: Challenges of determining pathogenicity. <i>Human Mutation</i> , 2020, 41, 449-464.	2.5	17
8	Congenital Heart Defects Due to <i>TAF1</i> Missense Variants. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, e002843.	3.6	8
9	Phen2Gene: rapid phenotype-driven gene prioritization for rare diseases. <i>NAR Genomics and Bioinformatics</i> , 2020, 2, lqaa032.	3.2	45
10	<i>VAC14</i> syndrome in two siblings with retinitis pigmentosa and neurodegeneration with brain iron accumulation. <i>Journal of Physical Education and Sports Management</i> , 2019, 5, a003715.	1.2	10
11	Paralog Studies Augment Gene Discovery: DDX and DHX Genes. <i>American Journal of Human Genetics</i> , 2019, 105, 302-316.	6.2	56
12	From Molecular Understanding to Organismal Biology of N-Terminal Acetyltransferases. <i>Structure</i> , 2019, 27, 1053-1055.	3.3	2
13	Enabling Global Clinical Collaborations on Identifiable Patient Data: The Minerva Initiative. <i>Frontiers in Genetics</i> , 2019, 10, 611.	2.3	14
14	Phenotypic and biochemical analysis of an international cohort of individuals with variants in NAA10 and NAA15. <i>Human Molecular Genetics</i> , 2019, 28, 2900-2919.	2.9	46
15	PEDIA: prioritization of exome data by image analysis. <i>Genetics in Medicine</i> , 2019, 21, 2807-2814.	2.4	58
16	Interrogating the Genetic Determinants of Tourette's Syndrome and Other Tic Disorders Through Genome-Wide Association Studies. <i>American Journal of Psychiatry</i> , 2019, 176, 217-227.	7.2	242
17	Scikit-ribo Enables Accurate Estimation and Robust Modeling of Translation Dynamics at Codon Resolution. <i>Cell Systems</i> , 2018, 6, 180-191.e4.	6.2	41
18	Truncating Variants in NAA15 Are Associated with Variable Levels of Intellectual Disability, Autism Spectrum Disorder, and Congenital Anomalies. <i>American Journal of Human Genetics</i> , 2018, 102, 985-994.	6.2	59

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19	Genetic and phenotypic overlap of specific obsessive-compulsive and attention-deficit/hyperactive subtypes with Tourette syndrome. <i>Psychological Medicine</i> , 2018, 48, 279-293.	4.5	40
20	Prevalence and predictors of hair pulling disorder and excoriation disorder in Tourette syndrome. <i>European Child and Adolescent Psychiatry</i> , 2018, 27, 569-579.	4.7	20
21	De Novo Sequence and Copy Number Variants Are Strongly Associated with Tourette Disorder and Implicate Cell Polarity in Pathogenesis. <i>Cell Reports</i> , 2018, 24, 3441-3454.e12.	6.4	91
22	NAA10-related syndrome. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-10.	7.7	30
23	Analysis of shared heritability in common disorders of the brain. <i>Science</i> , 2018, 360, .	12.6	1,085
24	The Human Phenotype Ontology in 2017. <i>Nucleic Acids Research</i> , 2017, 45, D865-D876.	14.5	699
25	Whole genome sequencing of one complex pedigree illustrates challenges with genomic medicine. <i>BMC Medical Genomics</i> , 2017, 10, 10.	1.5	15
26	Autism Spectrum Symptoms in a Touretteâ€™s Disorder Sample. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2017, 56, 610-617.e1.	0.5	51
27	De Novo Coding Variants Are Strongly Associated with Tourette Disorder. <i>Neuron</i> , 2017, 94, 486-499.e9.	8.1	155
28	Rare Copy Number Variants in NRXN1 and CNTN6 Increase Risk for Tourette Syndrome. <i>Neuron</i> , 2017, 94, 1101-1111.e7.	8.1	137
29	896. Genetic and Phenotypic Overlap of Specific Obsessive-Compulsive Subtypes with Tourette Syndrome. <i>Biological Psychiatry</i> , 2017, 81, S361-S362.	1.3	0
30	Identification of Two Heritable Cross-Disorder Endophenotypes for Tourette Syndrome. <i>American Journal of Psychiatry</i> , 2017, 174, 387-396.	7.2	46
31	Proteomic and genomic characterization of a yeast model for Ogden syndrome. <i>Yeast</i> , 2017, 34, 19-37.	1.7	15
32	<i>SCN8A</i> mutation in a child presenting with seizures and developmental delays. <i>Journal of Physical Education and Sports Management</i> , 2016, 2, a001073.	1.2	12
33	Social disinhibition is a heritable subphenotype of tics in Tourette syndrome. <i>Neurology</i> , 2016, 87, 497-504.	1.1	31
34	Indel variant analysis of short-read sequencing data with Scalpel. <i>Nature Protocols</i> , 2016, 11, 2529-2548.	12.0	99
35	Long-read sequencing and de novo assembly of a Chinese genome. <i>Nature Communications</i> , 2016, 7, 12065.	12.8	242
36	KBG syndrome involving a single-nucleotide duplication in <i>ANKRD11</i>. <i>Journal of Physical Education and Sports Management</i> , 2016, 2, a001131.	1.2	15

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37	Systematic data-querying of large pediatric biorepository identifies novel Ehlers-Danlos Syndrome variant. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 80.	1.9	5
38	SeqMule: automated pipeline for analysis of human exome/genome sequencing data. <i>Scientific Reports</i> , 2015, 5, 14283.	3.3	63
39	Genome-wide variant analysis of simplex autism families with an integrative clinical-bioinformatics pipeline. <i>Journal of Physical Education and Sports Management</i> , 2015, 1, a000422.	1.2	6
40	The biological functions of Naa10 " From amino-terminal acetylation to human disease. <i>Gene</i> , 2015, 567, 103-131.	2.2	71
41	TAF1 Variants Are Associated with Dysmorphic Features, Intellectual Disability, and Neurological Manifestations. <i>American Journal of Human Genetics</i> , 2015, 97, 922-932.	6.2	101
42	SeqHBase: a big data toolset for family based sequencing data analysis. <i>Journal of Medical Genetics</i> , 2015, 52, 282-288.	3.2	17
43	Accounting for uncertainty in DNA sequencing data. <i>Trends in Genetics</i> , 2015, 31, 61-66.	6.7	51
44	Lifetime Prevalence, Age of Risk, and Genetic Relationships of Comorbid Psychiatric Disorders in Tourette Syndrome. <i>JAMA Psychiatry</i> , 2015, 72, 325.	11.0	496
45	Biochemical and cellular analysis of Ogden syndrome reveals downstream Nt-acetylation defects. <i>Human Molecular Genetics</i> , 2015, 24, 1956-1976.	2.9	97
46	"Genotype-first" approaches on a curious case of idiopathic progressive cognitive decline. <i>BMC Medical Genomics</i> , 2014, 7, 66.	1.5	4
47	An international effort towards developing standards for best practices in analysis, interpretation and reporting of clinical genome sequencing results in the CLARITY Challenge. <i>Genome Biology</i> , 2014, 15, R53.	9.6	101
48	Reducing INDEL calling errors in whole genome and exome sequencing data. <i>Genome Medicine</i> , 2014, 6, 89.	8.2	144
49	Copy Number Variation in Obsessive-Compulsive Disorder and Tourette Syndrome: A Cross-Disorder Study. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2014, 53, 910-919.	0.5	111
50	Accurate de novo and transmitted indel detection in exome-capture data using microassembly. <i>Nature Methods</i> , 2014, 11, 1033-1036.	19.0	194
51	Open access and data sharing: Easier said than done. <i>Applied & Translational Genomics</i> , 2014, 3, 120-121.	2.1	0
52	Low concordance of multiple variant-calling pipelines: practical implications for exome and genome sequencing. <i>Genome Medicine</i> , 2013, 5, 28.	8.2	381
53	Whole-genome sequencing in an autism multiplex family. <i>Molecular Autism</i> , 2013, 4, 8.	4.9	76
54	Genome-wide association study of Tourette's syndrome. <i>Molecular Psychiatry</i> , 2013, 18, 721-728.	7.9	161

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55	Practical, ethical and regulatory considerations for the evolving medical and research genomics landscape. <i>Applied & Translational Genomics</i> , 2013, 2, 34-40.	2.1	14
56	Whole-genome DNA/RNA sequencing identifies truncating mutations in RBCK1 in a novel Mendelian disease with neuromuscular and cardiac involvement. <i>Genome Medicine</i> , 2013, 5, 67.	8.2	87
57	Integrating precision medicine in the study and clinical treatment of a severely mentally ill person. <i>PeerJ</i> , 2013, 1, e177.	2.0	12
58	Genome-wide linkage analysis of 972 bipolar pedigrees using single-nucleotide polymorphisms. <i>Molecular Psychiatry</i> , 2012, 17, 818-826.	7.9	31
59	There is nothing "incidental"™ about unrelated findings. <i>Personalized Medicine</i> , 2012, 9, 163-166.	1.5	12
60	Identifying disease mutations in genomic medicine settings: current challenges and how to accelerate progress. <i>Genome Medicine</i> , 2012, 4, 58.	8.2	68
61	Bring clinical standards to human-genetics research. <i>Nature</i> , 2012, 482, 300-301.	27.8	26
62	Genome-wide copy number variation study associates metabotropic glutamate receptor gene networks with attention deficit hyperactivity disorder. <i>Nature Genetics</i> , 2012, 44, 78-84.	21.4	334
63	Massively parallel sequencing identifies a previously unrecognized X-linked disorder resulting in lethality in male infants owing to amino-terminal acetyltransferase deficiency. <i>Genome Biology</i> , 2011, 12, .	9.6	1
64	Using VAAST to Identify an X-Linked Disorder Resulting in Lethality in Male Infants Due to N-Terminal Acetyltransferase Deficiency. <i>American Journal of Human Genetics</i> , 2011, 89, 28-43.	6.2	222
65	SNVer: a statistical tool for variant calling in analysis of pooled or individual next-generation sequencing data. <i>Nucleic Acids Research</i> , 2011, 39, e132-e132.	14.5	225
66	Exfoliatin-Producing Strains Define a Fourth <i>agr</i> Specificity Group in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2011, 193, 7027-7027.	2.2	4
67	Presynaptic Regulation of Dopamine Transmission in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2011, 37, 108-117.	4.3	56
68	Exome sequencing and unrelated findings in the context of complex disease research: ethical and clinical implications. <i>Discovery Medicine</i> , 2011, 12, 41-55.	0.5	49
69	Tourette™s Disorder. <i>Current Treatment Options in Neurology</i> , 2010, 12, 274-286.	1.8	5
70	Testing Tic Suppression: Comparing the Effects of Dexmethylphenidate to No Medication in Children and Adolescents with Attention-Deficit/Hyperactivity Disorder and Tourette's Disorder. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2010, 20, 283-289.	1.3	43
71	Complex Tics and Complex Management in a Case of Severe Tourette's Disorder (TD) in an Adolescent. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2009, 19, 469-474.	1.3	8
72	Aripiprazole in Children and Adolescents with Tourette's Disorder: An Open-Label Safety and Tolerability Study. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2009, 19, 623-633.	1.3	66

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73	Posttraumatic Stress Disorder and Reactive Attachment Disorder: Outcome in An Adolescent. Journal of Child and Adolescent Psychopharmacology, 2008, 18, 641-646.	1.3	7
74	Possible Varenicline-Induced Paranoia and Irritability in a Patient With Major Depressive Disorder, Borderline Personality Disorder, and Methamphetamine Abuse in Remission. Journal of Clinical Psychopharmacology, 2008, 28, 720-721.	1.4	22
75	Attention-Deficit Hyperactivity Disorder: A Handbook for Diagnosis and Treatment, 3rd ed.. Journal of Clinical Psychiatry, 2008, 69, 1023.	2.2	1
76	Hydrophobic interactions drive ligand-receptor recognition for activation and inhibition of staphylococcal quorum sensing. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16168-16173.	7.1	82
77	Peptide signaling in Staphylococcus aureus and other Gram-positive bacteria. Peptides, 2004, 25, 1389-1403.	2.4	316
78	Toward Fully Synthetic N-Linked Glycoproteins. Angewandte Chemie, 2003, 115, 447-450.	2.0	18
79	Toward Fully Synthetic N-Linked Glycoproteins. Angewandte Chemie - International Edition, 2003, 42, 431-434.	13.8	93
80	Chemical Signaling among Bacteria and Its Inhibition. Chemistry and Biology, 2003, 10, 1007-1021.	6.0	109
81	Detection of secreted peptides by using hypothesis-driven multistage mass spectrometry. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2795-2800.	7.1	108
82	Reversible and Specific Extracellular Antagonism of Receptor-Histidine Kinase Signaling. Journal of Biological Chemistry, 2002, 277, 6247-6253.	3.4	81
83	Key Determinants of Receptor Activation in the agr Autoinducing Peptides of Staphylococcus aureus. Biochemistry, 2002, 41, 10095-10104.	2.5	188
84	Exfoliatin-Producing Strains Define a Fourth agr Specificity Group in Staphylococcus aureus. Journal of Bacteriology, 2000, 182, 6517-6522.	2.2	284
85	Rational design of a global inhibitor of the virulence response in Staphylococcus aureus, based in part on localization of the site of inhibition to the receptor-histidine kinase, AgrC. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 13330-13335.	7.1	232
86	Role of the tyrosine kinase pyk2 in the integrin-dependent activation of human neutrophils by TNF. Journal of Clinical Investigation, 1999, 104, 327-335.	8.2	120
87	Isolation and Characterization of the Mouse Gene for the Type 3 Iodothyronine Deiodinase. Endocrinology, 1999, 140, 124-130.	2.8	17
88	Mice deficient for the secreted glycoprotein SPARC/osteonectin/BM40 develop normally but show severe age-onset cataract formation and disruption of the lens. EMBO Journal, 1998, 17, 1860-1870.	7.8	229
89	Localization of the Type 3 Iodothyronine Deiodinase (DIO3) Gene to Human Chromosome 14q32 and Mouse Chromosome 12F1. Genomics, 1998, 53, 119-121.	2.9	47